

Bobby Warren, Mayor
Drew Wasson, Council Position No. 1
Sheri Sheppard, Council Position No. 2
Michelle Mitcham, Council Position No. 3
James Singleton, Council Position No. 4
Jennifer McCrea, Council Position No. 5



Austin Bless, City Manager
Lorri Coody, City Secretary
Justin Pruitt, City Attorney

Jersey Village City Council - Regular Meeting Agenda

Notice is hereby given of a Regular Meeting of the City Council of the City of Jersey Village to be held on Monday, September 12, 2022, at 7:00 p.m. at the Civic Center Auditorium, 16327 Lakeview Drive, Jersey Village, Texas, for the purpose of considering the following agenda items. All agenda items are subject to action. A quorum of the City Council will be physically present at the meeting; however, some Council Members may participate in the meeting via videoconference call. The City Council reserves the right to meet in closed session on any agenda item should the need arise and if applicable pursuant to authorization by Title 5, Chapter 551, of the Texas Government Code.

A. CALL TO ORDER AND ANNOUNCE A QUORUM IS PRESENT

B. INVOCATION, PLEDGE OF ALLEGIANCE

1. Prayer and Pledge by: Max McCrea

C. PRESENTATIONS

1. Proclamation recognizing Tuesday, October 4, 2022, as National Night Out in Jersey Village to provide a unique opportunity for the City of Jersey Village to join forces with thousands of other communities across the country in promoting cooperative, police-community crime prevention efforts. *Bobby Warren, Mayor*

D. CITIZENS' COMMENTS

Citizens who have signed a card and wish to speak to the City Council will be heard at this time. In compliance with the Texas Open Meetings Act, unless the subject matter of the comment is on the agenda, the City staff and City Council Members are prevented from discussing the subject and may respond only with statements of factual information or existing policy. Citizens are limited to five (5) minutes for their comments to the City Council. *Bobby Warren, Mayor*

E. CITY MANAGER'S REPORT

1. Monthly Fund Balance Report, Enterprise Funds Report, Governmental Funds Report, Property Tax Collection Report – July 2022, General Fund Budget Projections as of August 2022, and Utility Fund Budget Projections – August 2022
2. Fire Departmental Report and Communication Division's Monthly Report
3. Police Department Monthly Activity Report, Warrant Report, Staffing/Recruitment Report, and Police Open Records Requests
4. Municipal Court Collection Report, Municipal Court Activity Report, Municipal Court Courtroom Activity Report, Speeding and Stop Sign Citations within Residential Areas Report, and Court Proceeds Comparison Report
5. Public Works Departmental Status Report

6. Golf Course Monthly Report, Golf Course Financial Statement Report, Golf Course Budget Summary, and Parks and Recreation Departmental Report
7. Code Enforcement Report

F. CONSENT AGENDA

The following items are considered routine in nature by the City Council and will be enacted with one motion and vote. There will not be separate discussion on these items unless requested by a Council Member, in which event the item will be removed from the Consent Agenda and considered by separate action.

1. Consider approval of the Minutes for the Regular Session Meeting held on August 15, 2022. *Lorri Coody, City Secretary*
2. Consider Resolution No. 2022-54, reviewing and approving the investment policy and investment strategies used for city funds in compliance with the Texas Government Code. *Isabel Kato, Finance Director*
3. Consider Resolution No. 2022-55, approving the 2022 Flood Insurance Assessment. – *Austin Bleess, City Manager*
4. Consider Resolution No. 2022-56, accepting and approving an amendment to the Bylaws of the Village Center Local Government Corporation. *Austin Bleess, City Manager*
5. Consider Ordinance No. 2022-35, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning the recommendation to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards in accordance with the City’s Comprehensive Plan and prescribing the notice requirements for a public hearing. *Lorri Coody, City Secretary*
6. Consider Ordinance No. 2022-36, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; by removing Section 104-103.1 in its entirety; and by prescribing the notice requirements for a public hearing. *Lorri Coody, City Secretary*
7. Consider Resolution No. 2022-57, awarding the bid and authorizing the City Manager to enter into a contract with Weisinger Incorporated for the Abandonment of Water Well No. 1. *Robert Basford, Assistant City Manager*

G. REGULAR AGENDA

1. Consider Resolution No. 2022-58, appointing members to the Planning and Zoning Commission (P&Z) and the Capital Improvements Advisory Committee (CIAC), the Board of Adjustment (BOA), the Building Board of Adjustment and Appeals (BBOAA), the Parks and Recreation Advisory Committee (PRAC), and the Golf Course Advisory Committee (GCAC). *Lorri Coody, City Secretary*

2. Consider Resolution No. 2022-59, selecting individuals to serve on the TML Intergovernmental Risk Pool Board of Trustees – Places 6, 7, 8, and 9 (Workers' Compensation, Property and Liability Benefits). *Lorri Coody, City Secretary*
3. Consider Ordinance No. 2022-37, amending Chapter 66 “Traffic and Vehicles”, Article VI “Regulation of Golf Carts”, Section 66-182 “Operation Regulations” of the Code of Ordinances of the City of Jersey Village, Texas by adding a new subsection requiring license plates on golf carts; containing findings and other provisions relating to the subject; providing a penalty; providing for severability; providing for publication; and providing an effective date. *Lt. Danny Keel, Jersey Village Police Department*
4. Consider Resolution No. 2022-60, authorizing the City Manager Austin Bless to proceed with the purchase of a new Pierce Custom Velocity Mid-Mount 100’ Aerial Truck and a Pierce Custom Velocity Pumper Truck. *Mark Bitz, Fire Chief*

H. MAYOR AND COUNCIL COMMENTS

Pursuant to Texas Government Code § 551.0415, City Council Members and City staff may make a reports about items of community interest during a meeting of the governing body without having given notice of the report. Items of community interest include:

- Expressions of thanks, congratulations, or condolence;
- Information regarding holiday schedules;
- An honorary or salutory recognition of a public official, public employee, or other citizen, except that a discussion regarding a change in the status of a person's public office or public employment is not an honorary or salutory recognition for purposes of this subdivision;
- A reminder about an upcoming event organized or sponsored by the governing body;
- Information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; and
- Announcements involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

I. RECESS THE REGULAR SESSION

Recess the Regular Session to Convene into Executive Session pursuant to the Texas Open Meetings Act, Government Code Section 551.074 – Personnel Matters.

J. EXECUTIVE SESSION

1. Pursuant to the Texas Open Meeting Act Section 551.072 Deliberations about Real Property, and Section 551.071 Consultations with Attorney, a closed meeting to deliberate the potential and possible sale, exchange or value of real property, located within TIRZ 3. *Austin Bless, City Manager*
2. Pursuant to the Texas Open Meetings Act Section 551.074 - Personnel Matters, conduct an Executive Session in order to deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of the City Secretary. *City Council*
3. Pursuant to the Texas Open Meetings Act Section 551.074 - Personnel Matters, conduct an Executive Session in order to deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of the City Manager. *City Council*

K. ADJOURN EXECUTIVE SESSION

Adjourn the Executive Session, stating the date and time the Executive Session ended and Reconvene the Regular Session.

L. RECONVENE REGULAR SESSION

1. Discuss and take appropriate action regarding items discussed in closed session regarding the potential and possible sale, exchange or value of real property, located within TIRZ 3. *Austin Bless, City Manager*
2. Consider setting the City Secretary’s compensation for budget year 2022-2023. *Bobby Warren, Mayor*
3. Consider setting the City Manager’s compensation for budget year 2022-2023 and consider employment agreement amendments. *Bobby Warren, Mayor*

M. ADJOURN

CERTIFICATION

I, the undersigned authority, do hereby certify in accordance with the Texas Open Meeting Act, the Agenda is posted for public information, at all times, for at least 72 hours preceding the scheduled time of the meeting on the bulletin board located at City Hall, 16327 Lakeview, Jersey Village, TX 77040, a place convenient and readily accessible to the general public at all times, and said Notice was posted on September 8, 2022 at 5:00 p.m. and remained so posted until said meeting was convened.



Lorri Coody, TRMC, City Secretary

In compliance with the Americans with Disabilities Act, the City of Jersey Village will provide for reasonable accommodations for persons attending City Council meetings. Request for accommodations must be made to the City Secretary by calling 713 466-2407 forty-eight (48) hours prior to the meetings. Agendas are posted on the Internet Website at www.jerseyvillage.info.

"Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun."

"Pursuant to Section 30.07, Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly."

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

B. INVOCATION, PLEDGE OF ALLEGIANCE

1. Prayer and Pledge by: Max McCrea

**PROCLAMATION
NATIONAL NIGHT OUT 2022**

WHEREAS, the National Association of Town Watch (NATW) is sponsoring a unique, nationwide crime, drug and violence prevention program on October 4, 2022 entitled “National Night Out;” and

WHEREAS, the “39th Annual National Night Out” provides a unique opportunity for the City of Jersey Village to join forces with thousands of other communities across the country in promoting cooperative, police-community crime prevention efforts; and

WHEREAS, Jersey Village Police Department plays a vital role in assisting the Harris County Sheriff’s Department through joint crime, drug and violence prevention efforts in Jersey Village and is supporting “National Night Out 2022” locally; and

WHEREAS, it is essential that all citizens of Jersey Village be aware of the importance of crime prevention programs and impact that their participation can have on reducing crime, drugs and violence in Jersey Village; and

WHEREAS, police-community partnerships, neighborhood safety, awareness and cooperation are important themes of the “National Night Out” program;

NOW, THEREFORE, I, MAYOR BOBBY WARREN, do hereby call upon all citizens of Jersey Village to join the Jersey Village Police Department and the National Association of Town Watch in supporting “39th Annual National Night Out” on October 4, 2022.

FURTHER, LET IT BE RESOLVED THAT I, MAYOR BOBBY WARREN, do hereby proclaim Tuesday, October 4, 2022, as “NATIONAL NIGHT OUT” in Jersey Village.

Bobby Warren, Mayor



ATTEST:

Lorri Coody, City Secretary
Dated: September 12, 2022

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

D. CITIZENS' COMMENTS

Citizens who have signed a card and wish to speak to the City Council will be heard at this time. In compliance with the Texas Open Meetings Act, unless the subject matter of the comment is on the agenda, the City staff and City Council Members are prevented from discussing the subject and may respond only with statements of factual information or existing policy. Citizens are limited to five (5) minutes for their comments to the City Council.



Jersey Village, TX

Fund Balance Report

As Of 08/31/2022

Fund	Beginning Balance	Total Revenues	Total Expenses	Ending Balance
01 - GENERAL FUND	4,144,014.80	15,796,686.80	13,920,854.38	6,019,847.22
02 - UTILITY FUND	11,650,598.96	4,718,359.51	4,218,472.49	12,150,485.98
03 - DEBT SERVICE FUND	344,427.68	1,497,021.54	1,419,350.00	422,099.22
04 - IMPACT FEE FUND	491,624.28	48,710.31	0.00	540,334.59
05 - MOTEL TAX FUND	106,036.99	151,302.41	29,630.00	227,709.40
06 - ASSET FORFEITURE FUND	15,041.37	21,268.94	16,651.50	19,658.81
07 - CAPITAL REPLACEMENT	8,976,785.52	698,603.08	2,545,409.94	7,129,978.66
10 - CAPITAL IMPROVEMENTS FUND	8,343,717.53	2,819,270.93	2,568,415.84	8,594,572.62
11 - GOLF COURSE FUND	-4,625,534.67	2,040,296.81	2,079,283.78	-4,664,521.64
12 - COURT RESTRICTED FEE FUND	29,172.60	0.00	20,084.02	9,088.58
13 - CDBG - GRANT	-4,004,469.28	2,446,292.84	3,006,615.09	-4,564,791.53
14 - TIRZ - 2	-42,000.00	0.00	0.00	-42,000.00
15 - TIRZ -3	0.00	1,000,000.00	980,293.44	19,706.56
49 - JV FIRE CONTROL PREV & EMERGENCY MEDICAL SERV	0.00	1,817,700.74	45,000.00	1,772,700.74
50 - JV CRIME CONTROL	4,591,890.38	2,225,785.83	1,879,284.41	4,938,391.80
Report Total:	30,021,306.16	35,281,299.74	32,729,344.89	32,573,261.01

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022



Jersey Village, TX

Income Statement Account Summary

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 02 - UTILITY FUND					
Department: 40 - REVENUES					
Category: 85 - FEE & CHARGES FOR SERVICE					
02-40-8541 WATER SERVICE	3,180,000.00	3,180,000.00	396,929.90	3,102,033.35	77,966.65
02-40-8542 SEWER SERVICE	1,590,000.00	1,590,000.00	142,061.97	1,541,276.15	48,723.85
02-40-8543 METER FEES	0.00	0.00	250.00	4,622.50	-4,622.50
Category: 85 - FEE & CHARGES FOR SERVICE Total:	4,770,000.00	4,770,000.00	539,241.87	4,647,932.00	122,068.00
Category: 96 - INTEREST EARNED					
02-40-9601 INTEREST EARNED	2,000.00	2,000.00	5,956.23	16,849.36	-14,849.36
Category: 96 - INTEREST EARNED Total:	2,000.00	2,000.00	5,956.23	16,849.36	-14,849.36
Category: 98 - MISCELLANEOUS REVENUE					
02-40-9840 PENALTIES & ADJUSTMENTS	30,000.00	30,000.00	5,933.24	37,059.74	-7,059.74
02-40-9899 MISCELLANEOUS	30,000.00	30,000.00	1,638.53	16,518.41	13,481.59
Category: 98 - MISCELLANEOUS REVENUE Total:	60,000.00	60,000.00	7,571.77	53,578.15	6,421.85
Department: 40 - REVENUES Total:	4,832,000.00	4,832,000.00	552,769.87	4,718,359.51	113,640.49

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 45 - WATER & SEWER						
Category: 30 - SALARIES, WAGES, & BENEFITS						
02-45-3001	SALARIES	236,611.13	236,611.13	20,093.43	213,262.57	23,348.56
02-45-3003	LONGEVITY	431.86	431.86	33.24	474.77	-42.91
02-45-3007	OVERTIME	30,000.00	30,000.00	1,626.42	22,332.79	7,667.21
02-45-3010	INCENTIVES	2,719.94	2,719.94	55.38	709.71	2,010.23
02-45-3051	FICA/MEDICARE TAXES	19,427.15	19,427.15	1,601.49	17,355.56	2,071.59
02-45-3052	WORKMEN'S COMPENSATION	5,183.00	5,183.00	0.00	9,222.65	-4,039.65
02-45-3053	UNEMPLOYMENT INSURANCE	864.00	864.00	2.16	1,600.36	-736.36
02-45-3054	RETIREMENT	37,754.57	37,754.57	3,074.99	33,515.17	4,239.40
02-45-3055	HEALTH INSURANCE	69,099.42	69,099.42	4,202.28	57,380.22	11,719.20
02-45-3056	LIFE INS	352.30	352.30	46.80	289.35	62.95
02-45-3057	DENTAL	4,024.02	4,024.02	247.96	3,633.78	390.24
02-45-3058	LONG-TERM DISABILITY	993.76	993.76	63.81	847.36	146.40
02-45-3060	VISION INSURANCE	615.42	615.42	40.08	519.00	96.42
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		408,076.57	408,076.57	31,088.04	361,143.29	46,933.28
Category: 35 - SUPPLIES						
02-45-3502	POSTAGE/FREIGHT/DEL. FEE	11,000.00	11,000.00	1,480.27	15,062.87	-4,062.87
02-45-3503	OFFICE SUPPLIES	2,000.00	2,000.00	0.00	2,158.11	-158.11
02-45-3504	WEARING APPAREL	5,000.00	5,000.00	554.98	2,727.40	2,272.60
02-45-3506	CHEMICALS	39,110.00	39,110.00	6,324.57	19,296.29	19,813.71
02-45-3510	BOOKS & PERIODICALS	600.00	600.00	0.00	0.00	600.00
02-45-3523	TOOLS/EQUIPMENT	14,000.00	14,000.00	0.00	15,461.76	-1,461.76
02-45-3534	PARTS AND MATERIALS	8,500.00	8,500.00	102.81	14,699.68	-6,199.68
02-45-3535	SHOP SUPPLIES	2,000.00	2,000.00	0.00	845.22	1,154.78
Category: 35 - SUPPLIES Total:		82,210.00	82,210.00	8,462.63	70,251.33	11,958.67
Category: 40 - MAINTENANCE--BLDGS, STRUC						
02-45-4001	BUILDINGS AND GROUNDS	5,000.00	5,000.00	0.00	11,900.32	-6,900.32
02-45-4041	WATER SYSTEM MAINTENANCE	50,000.00	50,000.00	11,100.00	166,476.66	-116,476.66
02-45-4042	SEWER SYSTEM MAINTENANCE	30,000.00	30,000.00	10,716.64	70,446.28	-40,446.28
02-45-4043	WATER PLANTS MAINTENANCE	40,000.00	40,000.00	3,270.00	148,970.07	-108,970.07
02-45-4044	LIFT STATIONS MAINTENANCE	36,000.00	36,000.00	1,585.00	10,583.50	25,416.50
02-45-4045	SEWER PLANT MAINTENANCE	45,000.00	45,000.00	24,641.93	88,370.28	-43,370.28
Category: 40 - MAINTENANCE--BLDGS, STRUC Total:		206,000.00	206,000.00	51,313.57	496,747.11	-290,747.11
Category: 45 - MAINTENANCE						
02-45-4504	COMPUTER SOFTWARE	7,400.00	7,400.00	0.00	19,681.79	-12,281.79
Category: 45 - MAINTENANCE Total:		7,400.00	7,400.00	0.00	19,681.79	-12,281.79
Category: 50 - SERVICES						
02-45-5012	PRINTING	1,800.00	1,800.00	0.00	1,183.65	616.35
02-45-5015	LAB TESTS	25,000.00	25,000.00	2,548.92	26,874.33	-1,874.33
02-45-5017	UTILITIES	140,000.00	140,000.00	13,839.10	127,957.58	12,042.42
02-45-5019	W.O.B. DISPOSAL-O&M CONTR	350,000.00	350,000.00	104,325.12	396,703.36	-46,703.36
02-45-5020	COMMUNICATIONS	7,000.00	7,000.00	201.00	4,356.51	2,643.49
02-45-5022	RENTAL OF EQUIPMENT	1,460.00	1,460.00	0.00	0.00	1,460.00
02-45-5025	PUBLIC NOTICES	800.00	800.00	0.00	0.00	800.00
02-45-5027	MEMBERSHIPS	1,000.00	1,000.00	0.00	40.00	960.00
02-45-5029	TRAVEL/TRAINING	13,000.00	13,000.00	0.00	3,894.35	9,105.65
Category: 50 - SERVICES Total:		540,060.00	540,060.00	120,914.14	561,009.78	-20,949.78
Category: 54 - SUNDRY						
02-45-5405	PERMITS, FEES, CREDIT CD FEES	30,000.00	30,000.00	4,595.99	50,967.82	-20,967.82
02-45-5411	WATER-PURCHASED	1,678,900.00	1,678,900.00	0.00	1,221,132.54	457,767.46
02-45-5412	WATER AUTHORITY FEES	100,000.00	100,000.00	122,401.40	374,361.80	-274,361.80
Category: 54 - SUNDRY Total:		1,808,900.00	1,808,900.00	126,997.39	1,646,462.16	162,437.84
Category: 55 - PROFESSIONAL SERVICES						
02-45-5501	AUDITS/CONTRACTS/STUDIES	10,000.00	10,000.00	0.00	9,674.00	326.00
02-45-5510	ENGINEERING SERVICES	150,000.00	150,000.00	0.00	19,364.00	130,636.00

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
02-45-5515	CONSULTANT SERVICES	50,000.00	50,000.00	4,783.90	10,343.04	39,656.96
	Category: 55 - PROFESSIONAL SERVICES Total:	210,000.00	210,000.00	4,783.90	39,381.04	170,618.96
	Category: 60 - OTHER SERVICES					
02-45-6001	INSURANCE-VEHICLES	11,500.00	11,500.00	0.00	16,728.40	-5,228.40
02-45-6003	LIABILITY-FIRE & CASUALTY	10,000.00	10,000.00	0.00	8,591.11	1,408.89
	Category: 60 - OTHER SERVICES Total:	21,500.00	21,500.00	0.00	25,319.51	-3,819.51
	Category: 97 - INTERFUND ACTIVITY					
02-45-9751	TRANSFER TO GENERAL FUND	608,000.00	608,000.00	0.00	608,000.00	0.00
02-45-9753	TRANSFER TO DEBT SERVICE FUND	87,815.00	87,815.00	0.00	87,815.00	0.00
02-45-9772	TECHNOLOGY USER FEE	875.00	875.00	0.00	875.00	0.00
02-45-9791	EQUIPMENT USER FEE	37,000.00	37,000.00	0.00	37,000.00	0.00
	Category: 97 - INTERFUND ACTIVITY Total:	733,690.00	733,690.00	0.00	733,690.00	0.00
	Department: 45 - WATER & SEWER Total:	4,017,836.57	4,017,836.57	343,559.67	3,953,686.01	64,150.56

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining	
Department: 46 - UTILITY CAPITAL PROJECT						
Category: 70 - CAPITAL IMPROVEMENTS						
02-46-7060	WEST WATER PLANT - POWER PANEL RETROF...	140,000.00	140,000.00	0.00	4,681.50	135,318.50
02-46-7064	CASTLEBRIDGE WWTP	30,000.00	30,000.00	22,993.00	22,993.00	7,007.00
02-46-7087	SEWER REHABILITATION	250,000.00	250,000.00	0.00	0.00	250,000.00
02-46-7091	WOB Sewer Plant Rehabilitation	490,000.00	490,000.00	0.00	0.00	490,000.00
02-46-7111	SEATTLE - WELL REPAIR	50,000.00	50,000.00	5,000.00	8,450.00	41,550.00
02-46-7126	REHAB - REPAIR STORM WAT LINES	50,000.00	50,000.00	0.00	0.00	50,000.00
02-46-7128	VILLAGE WATER PLANT GENERATOR	0.00	0.00	0.00	0.00	0.00
02-46-7129	CONGO ELEVATED STORAGE TANK - REHAB	0.00	0.00	0.00	214,200.00	-214,200.00
02-46-7130	LIFT STATION REHABILITATION REPAIR	500,000.00	500,000.00	0.00	0.00	500,000.00
02-46-7131	REPAIRS FOR LIFT STATION ROAD	100,000.00	100,000.00	0.00	13,601.00	86,399.00
02-46-7132	CASTLEBRIDGE DIFUSERS	100,000.00	100,000.00	0.00	0.00	100,000.00
02-46-7133	RISK AND RESIENCY STUDY UPGRADE REQ	50,000.00	50,000.00	0.00	0.00	50,000.00
02-46-7134	SEATTLE WATER PLANT GENERATOR	500,000.00	500,000.00	0.00	0.00	500,000.00
02-46-7135	WATER VALVE, EXERCISE, REPAIR	300,000.00	300,000.00	0.00	860.98	299,139.02
Category: 70 - CAPITAL IMPROVEMENTS Total:		2,560,000.00	2,560,000.00	27,993.00	264,786.48	2,295,213.52
Department: 46 - UTILITY CAPITAL PROJECT Total:		2,560,000.00	2,560,000.00	27,993.00	264,786.48	2,295,213.52
Fund: 02 - UTILITY FUND Surplus (Deficit):		-1,745,836.57	-1,745,836.57	181,217.20	499,887.02	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 04 - IMPACT FEE FUND					
Department: 43 - 43					
Category: 85 - FEE & CHARGES FOR SERVICE					
04-43-8547 WATER DISTRIBUTION	50,000.00	50,000.00	0.00	43,635.00	6,365.00
04-43-8548 SEWER PLANT CAPACITY	25,000.00	25,000.00	0.00	0.00	25,000.00
Category: 85 - FEE & CHARGES FOR SERVICE Total:	75,000.00	75,000.00	0.00	43,635.00	31,365.00
Category: 96 - INTEREST EARNED					
04-43-9601 INTEREST EARNED	1,000.00	1,000.00	1,854.16	5,075.31	-4,075.31
Category: 96 - INTEREST EARNED Total:	1,000.00	1,000.00	1,854.16	5,075.31	-4,075.31
Department: 43 - 43 Total:	76,000.00	76,000.00	1,854.16	48,710.31	27,289.69
Fund: 04 - IMPACT FEE FUND Total:	76,000.00	76,000.00	1,854.16	48,710.31	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 11 - GOLF COURSE FUND						
Department: 80 - 80						
Category: 85 - FEE & CHARGES FOR SERVICE						
11-80-8551	GREEN FEES	1,450,000.00	1,450,000.00	123,491.25	1,320,439.56	129,560.44
11-80-8553	RANGE FEES/CLUB RENTALS	200,000.00	200,000.00	13,717.04	179,975.31	20,024.69
11-80-8554	CLUB RENTALS	5,800.00	5,800.00	700.00	9,275.00	-3,475.00
11-80-8555	TOURNAMENT GREENS FEES	135,000.00	135,000.00	10,794.64	154,806.20	-19,806.20
11-80-8560	MISCELLANEOUS FEES	20,000.00	20,000.00	1,135.00	17,717.50	2,282.50
11-80-8567	MERCHANDISE	160,000.00	160,000.00	21,015.38	212,624.26	-52,624.26
11-80-8568	SPECIAL ORDER MERCHANDISE	40,000.00	40,000.00	3,626.25	46,864.10	-6,864.10
11-80-8572	CONCESSION FEES	52,000.00	52,000.00	5,832.87	53,830.07	-1,830.07
11-80-8575	MEMBERSHIPS	48,000.00	48,000.00	4,790.88	42,778.20	5,221.80
11-80-8579	CASH OVER/UNDER	0.00	0.00	56.97	421.49	-421.49
Category: 85 - FEE & CHARGES FOR SERVICE Total:		2,110,800.00	2,110,800.00	185,160.28	2,038,731.69	72,068.31
Category: 96 - INTEREST EARNED						
11-80-9601	INTEREST EARNED	150.00	150.00	744.53	1,565.12	-1,415.12
Category: 96 - INTEREST EARNED Total:		150.00	150.00	744.53	1,565.12	-1,415.12
Category: 97 - INTERFUND ACTIVITY						
11-80-9751	TRANSFER FROM GENERAL FUND	237,098.86	237,098.86	0.00	0.00	237,098.86
Category: 97 - INTERFUND ACTIVITY Total:		237,098.86	237,098.86	0.00	0.00	237,098.86
Department: 80 - 80 Total:		2,348,048.86	2,348,048.86	185,904.81	2,040,296.81	307,752.05

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 81 - CLUB HOUSE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
11-81-3001	SALARIES	272,873.68	272,873.68	21,043.95	237,902.69	34,970.99
11-81-3002	WAGES	130,000.00	130,000.00	10,542.00	102,973.29	27,026.71
11-81-3003	LONGEVITY	1,103.96	1,103.96	103.40	1,129.66	-25.70
11-81-3007	OVERTIME	3,000.00	3,000.00	0.00	2,602.07	397.93
11-81-3051	FICA/MEDICARE TAXES	30,535.43	30,535.43	2,343.29	25,537.14	4,998.29
11-81-3052	WORKMAN'S COMP	5,913.00	5,913.00	0.00	6,823.36	-910.36
11-81-3053	UNEMPLOYMENT INSURANCE	912.00	912.00	16.44	5,864.95	-4,952.95
11-81-3054	RETIREMENT	39,053.86	39,053.86	2,944.56	33,441.09	5,612.77
11-81-3055	INSURANCE	44,506.02	44,506.02	4,765.46	47,873.49	-3,367.47
11-81-3056	LIFE INS	352.30	352.30	52.65	300.05	52.25
11-81-3057	DENTAL INSURANCE	2,846.74	2,846.74	337.20	3,350.08	-503.34
11-81-3058	LONG-TERM DISABILITY	1,146.07	1,146.07	101.84	1,096.59	49.48
11-81-3060	VISION INSURANCE	512.20	512.20	41.98	455.03	57.17
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		532,755.26	532,755.26	42,292.77	469,349.49	63,405.77
Category: 34 - COST OF SALES						
11-81-3401	MERCHANDISE	120,000.00	120,000.00	19,164.33	159,707.49	-39,707.49
11-81-3415	RANGE BALLS	12,500.00	12,500.00	2,437.50	13,016.25	-516.25
11-81-3416	RENTAL CLUBS	2,000.00	2,000.00	0.00	0.00	2,000.00
11-81-3419	SPECIAL ORDER MERCHANDISE	25,000.00	25,000.00	3,812.87	36,745.49	-11,745.49
Category: 34 - COST OF SALES Total:		159,500.00	159,500.00	25,414.70	209,469.23	-49,969.23
Category: 35 - SUPPLIES						
11-81-3502	POSTAGE/FREIGHT/DEL.FEE	600.00	600.00	0.00	126.72	473.28
11-81-3503	OFFICE SUPPLIES	6,000.00	6,000.00	166.03	5,938.14	61.86
11-81-3504	WEARING APPAREL	2,000.00	2,000.00	-310.00	2,095.79	-95.79
11-81-3510	BOOKS & PERIODICALS	500.00	500.00	0.00	0.00	500.00
11-81-3523	TOOLS/EQUIPMENT	1,000.00	1,000.00	0.00	843.85	156.15
11-81-3529	REPAIR PARTS	250.00	250.00	0.00	0.00	250.00
11-81-3605	MISCELLANEOUS SERVICE FEES	7,000.00	7,000.00	0.00	4,104.00	2,896.00
Category: 35 - SUPPLIES Total:		17,350.00	17,350.00	-143.97	13,108.50	4,241.50
Category: 45 - MAINTENANCE						
11-81-4501	FURN, FIXTURE/EPT MAINTENANCE	750.00	750.00	0.00	442.97	307.03
11-81-4504	COMPUTER SOFTWARE	750.00	750.00	0.00	0.00	750.00
11-81-4506	CART MAINTENANCE	2,500.00	2,500.00	69.99	9,015.29	-6,515.29
11-81-4520	EQUIPMENT MAINTENANCE/OUTSOURC	750.00	750.00	0.00	0.00	750.00
11-81-4599	MISCELLANEOUS EQUIPMENT	1,200.00	1,200.00	0.00	491.82	708.18
Category: 45 - MAINTENANCE Total:		5,950.00	5,950.00	69.99	9,950.08	-4,000.08
Category: 50 - SERVICES						
11-81-5012	PRINTING	3,500.00	3,500.00	0.00	845.00	2,655.00
11-81-5020	COMMUNICATIONS	6,500.00	6,500.00	0.00	4,219.45	2,280.55
11-81-5023	LEASE EQUIPMENT	1,000.00	1,000.00	0.00	500.00	500.00
11-81-5027	MEMBERSHIPS/SUBSCRIPTIONS	1,000.00	1,000.00	0.00	175.00	825.00
11-81-5029	TRAVEL/TRAINING	2,000.00	2,000.00	0.00	775.74	1,224.26
11-81-5043	ADVERTISING/PROMOTION	25,000.00	25,000.00	180.00	18,271.80	6,728.20
Category: 50 - SERVICES Total:		39,000.00	39,000.00	180.00	24,786.99	14,213.01
Category: 54 - SUNDRY						
11-81-5405	CREDIT CARD CHARGES	70,000.00	70,000.00	9,058.46	80,530.96	-10,530.96
11-81-5410	SECURITY	2,600.00	2,600.00	0.00	1,302.24	1,297.76
11-81-5413	TOURNAMENT FEES EXPENSE	1,800.00	1,800.00	0.00	244.00	1,556.00
11-81-5421	EQUIPMENT LEASE DEBT	1,500.00	1,500.00	0.00	0.00	1,500.00
11-81-5498	MISCELLANEOUS EXPENSE	4,000.00	4,000.00	0.00	3,487.29	512.71
Category: 54 - SUNDRY Total:		79,900.00	79,900.00	9,058.46	85,564.49	-5,664.49
Category: 55 - PROFESSIONAL SERVICES						
11-81-5515	CONSULTANT FEES	3,500.00	3,500.00	0.00	0.00	3,500.00
Category: 55 - PROFESSIONAL SERVICES Total:		3,500.00	3,500.00	0.00	0.00	3,500.00

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Category: 60 - OTHER SERVICES					
11-81-6003 LIABILITY-FIRE & CASUALTY INSR	20,000.00	20,000.00	0.00	21,000.52	-1,000.52
Category: 60 - OTHER SERVICES Total:	20,000.00	20,000.00	0.00	21,000.52	-1,000.52
Category: 97 - INTERFUND ACTIVITY					
11-81-9772 TECHNOLOGY USER FEE	5,000.00	5,000.00	0.00	0.00	5,000.00
11-81-9791 EQUIP USER FEE	143,950.00	143,950.00	0.00	0.00	143,950.00
Category: 97 - INTERFUND ACTIVITY Total:	148,950.00	148,950.00	0.00	0.00	148,950.00
Department: 81 - CLUB HOUSE Total:	1,006,905.26	1,006,905.26	76,871.95	833,229.30	173,675.96

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 82 - COURSE MAINTENANCE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
11-82-3001	SALARIES AND	378,737.02	378,737.02	21,520.87	250,462.47	128,274.55
11-82-3003	LONGEVITY	2,975.70	2,975.70	199.38	2,172.54	803.16
11-82-3007	OVERTIME	5,000.00	5,000.00	2,396.53	14,626.02	-9,626.02
11-82-3051	FICA/MEDICARE TAXES	27,163.99	27,163.99	1,729.84	19,030.06	8,133.93
11-82-3052	WORKMAN'S COMP	6,947.00	6,947.00	0.00	8,529.19	-1,582.19
11-82-3053	UNEMPLOYMENT INSURANCE	1,376.00	1,376.00	5.12	2,886.20	-1,510.20
11-82-3054	RETIREMENT	54,526.49	54,526.49	3,400.45	37,569.74	16,956.75
11-82-3055	INSURANCE	152,843.86	152,843.86	7,400.44	93,291.37	59,552.49
11-82-3056	LIFE INS	634.14	634.14	81.90	441.30	192.84
11-82-3057	DENTAL	8,185.06	8,185.06	461.18	5,497.78	2,687.28
11-82-3058	LONG-TERM DISABILITY	1,280.26	1,280.26	105.44	1,166.46	113.80
11-82-3060	VISION INSURANCE	1,218.36	1,218.36	34.72	409.18	809.18
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		640,887.88	640,887.88	37,335.87	436,082.31	204,805.57
Category: 35 - SUPPLIES						
11-82-3503	OFFICE SUPPLIES	500.00	500.00	0.00	223.38	276.62
11-82-3504	WEARING APPAREL	2,700.00	2,700.00	0.00	1,316.96	1,383.04
11-82-3506	CHEMICALS	22,000.00	22,000.00	0.00	23,492.26	-1,492.26
11-82-3514	FUEL & OIL	19,000.00	19,000.00	2,011.34	17,755.46	1,244.54
11-82-3520	FOOD/WATER	750.00	750.00	0.00	910.75	-160.75
11-82-3523	TOOLS/EQUIPMENT	4,500.00	4,500.00	10.65	2,078.99	2,421.01
11-82-3526	MINOR EQUIPMENT	3,500.00	3,500.00	615.95	1,665.80	1,834.20
11-82-3527	AGGREGATES	6,000.00	6,000.00	5,527.66	11,778.96	-5,778.96
11-82-3529	REPAIR PARTS	0.00	0.00	0.00	820.00	-820.00
11-82-3530	PESTICIDES	10,000.00	10,000.00	0.00	0.00	10,000.00
11-82-3533	FERTILIZERS	50,000.00	50,000.00	1,207.01	48,959.72	1,040.28
11-82-3535	GROUND/SHOP SUPPLIES	5,000.00	5,000.00	0.00	7,450.48	-2,450.48
11-82-3536	LANDSCAPING MATERIALS	7,000.00	7,000.00	0.00	9,158.92	-2,158.92
11-82-3538	COURSE SUPPLIES	5,000.00	5,000.00	360.00	2,117.26	2,882.74
11-82-3539	GOLF COURSE ACCESSORIES	4,500.00	4,500.00	0.00	4,042.72	457.28
11-82-3542	FIRST AID	750.00	750.00	0.00	0.00	750.00
Category: 35 - SUPPLIES Total:		141,200.00	141,200.00	9,732.61	131,771.66	9,428.34
Category: 40 - MAINTENANCE--BLDGS, STRUC						
11-82-4041	WATER WELL MAINTENANCE	2,500.00	2,500.00	0.00	1,532.00	968.00
11-82-4046	PARKING LOT MAINTENANCE	1,500.00	1,500.00	0.00	0.00	1,500.00
Category: 40 - MAINTENANCE--BLDGS, STRUC Total:		4,000.00	4,000.00	0.00	1,532.00	2,468.00
Category: 45 - MAINTENANCE						
11-82-4505	IRRIGATION EQUIPMENT	8,000.00	8,000.00	0.00	5,080.97	2,919.03
11-82-4599	MISCELLANEOUS EQUIPMENT	2,000.00	2,000.00	0.00	1,980.00	20.00
Category: 45 - MAINTENANCE Total:		10,000.00	10,000.00	0.00	7,060.97	2,939.03
Category: 50 - SERVICES						
11-82-5022	RENTAL EQUIPMENT	4,500.00	4,500.00	258.00	4,917.34	-417.34
11-82-5027	MEMBERSHIPS/SUBSCRIPTIONS	1,000.00	1,000.00	0.00	861.17	138.83
11-82-5029	TRAVEL/TRAINING	2,500.00	2,500.00	0.00	789.18	1,710.82
Category: 50 - SERVICES Total:		8,000.00	8,000.00	258.00	6,567.69	1,432.31
Category: 54 - SUNDRY						
11-82-5405	PERMITS & FEES	500.00	500.00	0.00	0.00	500.00
11-82-5412	WATER AUTHORITY FEES	90,000.00	90,000.00	85,583.00	460,827.40	-370,827.40
Category: 54 - SUNDRY Total:		90,500.00	90,500.00	85,583.00	460,827.40	-370,327.40
Category: 55 - PROFESSIONAL SERVICES						
11-82-5508	SANITARY/TRASH SERVICES	2,000.00	2,000.00	0.00	828.53	1,171.47
11-82-5530	PROFESSIONAL SERVICES	1,000.00	1,000.00	0.00	501.27	498.73
Category: 55 - PROFESSIONAL SERVICES Total:		3,000.00	3,000.00	0.00	1,329.80	1,670.20

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Category: 97 - INTERFUND ACTIVITY					
11-82-9772 TECHNOLOGY USER FEE	375.00	375.00	0.00	0.00	375.00
Category: 97 - INTERFUND ACTIVITY Total:	375.00	375.00	0.00	0.00	375.00
Department: 82 - COURSE MAINTENANCE Total:	897,962.88	897,962.88	132,909.48	1,045,171.83	-147,208.95

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 83 - BUILDING MAINTENANCE						
Category: 35 - SUPPLIES						
11-83-3517	JANITORIAL SUPPLIES	5,000.00	5,000.00	173.89	4,383.35	616.65
11-83-3523	TOOLS/EQUIPMENT	600.00	600.00	0.00	0.00	600.00
	Category: 35 - SUPPLIES Total:	5,600.00	5,600.00	173.89	4,383.35	1,216.65
Category: 40 - MAINTENANCE--BLDGS, STRUC						
11-83-4001	BUILDINGS & GROUNDS	16,000.00	16,000.00	2,287.60	19,143.46	-3,143.46
	Category: 40 - MAINTENANCE--BLDGS, STRUC Total:	16,000.00	16,000.00	2,287.60	19,143.46	-3,143.46
Category: 45 - MAINTENANCE						
11-83-4501	FURN.FIXTURES, OFF EQUIP	2,000.00	2,000.00	0.00	1,725.96	274.04
	Category: 45 - MAINTENANCE Total:	2,000.00	2,000.00	0.00	1,725.96	274.04
Category: 50 - SERVICES						
11-83-5017	UTILITIES	25,000.00	25,000.00	1,832.04	16,375.47	8,624.53
	Category: 50 - SERVICES Total:	25,000.00	25,000.00	1,832.04	16,375.47	8,624.53
Category: 55 - PROFESSIONAL SERVICES						
11-83-5531	PEST CONTROL SERVICES	800.00	800.00	0.00	692.00	108.00
	Category: 55 - PROFESSIONAL SERVICES Total:	800.00	800.00	0.00	692.00	108.00
	Department: 83 - BUILDING MAINTENANCE Total:	49,400.00	49,400.00	4,293.53	42,320.24	7,079.76

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 87 - GC CAPITAL IMPROVEMENT					
Category: 70 - CAPITAL IMPROVEMENTS					
11-87-7010 CAPITAL IMPROVEMENT	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76
Category: 70 - CAPITAL IMPROVEMENTS Total:	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76
Department: 87 - GC CAPITAL IMPROVEMENT Total:	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 88 - EQUIPMENT MAINTENANCE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
11-88-3001	SALARIES AND WAGES	46,404.38	46,404.38	3,568.00	39,884.08	6,520.30
11-88-3003	LONGEVITY	1,344.12	1,344.12	36.92	388.55	955.57
11-88-3007	OVERTIME	1,000.00	1,000.00	33.80	3,698.88	-2,698.88
11-88-3051	FICA/MEDICARE TAXES	3,595.55	3,595.55	273.44	3,307.93	287.62
11-88-3052	WORKER'S COMP	975.00	975.00	0.00	1,705.85	-730.85
11-88-3053	UNEMPLOYMENT INSURANCE	144.00	144.00	0.65	270.01	-126.01
11-88-3054	RETIREMENT	6,744.95	6,744.95	513.06	6,181.41	563.54
11-88-3055	HEALTH INSURANCE	7,523.62	7,523.62	565.80	6,496.44	1,027.18
11-88-3056	LIFE INS	70.46	70.46	11.70	62.35	8.11
11-88-3057	DENTAL	451.62	451.62	34.74	394.55	57.07
11-88-3058	LONG TERM DISABILITY	194.90	194.90	17.48	186.02	8.88
11-88-3060	VISION INSURANCE	107.12	107.12	0.00	0.00	107.12
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		68,555.72	68,555.72	5,055.59	62,576.07	5,979.65
Category: 35 - SUPPLIES						
11-88-3504	WEARING APPAREL	500.00	500.00	0.00	0.00	500.00
11-88-3514	FUEL & OIL	1,700.00	1,700.00	0.00	902.94	797.06
11-88-3523	TOOLS/EQUIPMENT	3,500.00	3,500.00	0.00	1,673.19	1,826.81
11-88-3526	MINOR EQUIPMENT	1,000.00	1,000.00	0.00	-295.26	1,295.26
11-88-3529	REPAIR PARTS	20,000.00	20,000.00	117.21	18,666.38	1,333.62
11-88-3535	GROUND/SHOP SUPPLIES	2,200.00	2,200.00	0.00	4,983.27	-2,783.27
11-88-3542	FIRST AID	250.00	250.00	0.00	0.00	250.00
Category: 35 - SUPPLIES Total:		29,150.00	29,150.00	117.21	25,930.52	3,219.48
Category: 45 - MAINTENANCE						
11-88-4520	AUTO REPAIR/OUTSOURCED	1,000.00	1,000.00	0.00	1,780.06	-780.06
11-88-4599	MISC EQUIPMENT MAINT.	5,000.00	5,000.00	0.00	2,765.00	2,235.00
Category: 45 - MAINTENANCE Total:		6,000.00	6,000.00	0.00	4,545.06	1,454.94
Category: 50 - SERVICES						
11-88-5029	TRAVEL/TRAINING	500.00	500.00	0.00	0.00	500.00
Category: 50 - SERVICES Total:		500.00	500.00	0.00	0.00	500.00
Category: 97 - INTERFUND ACTIVITY						
11-88-9781	TRANSFER TO EQUIP PURCH CONT	63,500.00	63,500.00	0.00	0.00	63,500.00
11-88-9791	EQUIPMENT USER FEE	162,950.00	162,950.00	0.00	0.00	162,950.00
Category: 97 - INTERFUND ACTIVITY Total:		226,450.00	226,450.00	0.00	0.00	226,450.00
Department: 88 - EQUIPMENT MAINTENANCE Total:		330,655.72	330,655.72	5,172.80	93,051.65	237,604.07
Fund: 11 - GOLF COURSE FUND Surplus (Deficit):		0.00	0.00	-34,416.43	-38,986.97	
Total Surplus (Deficit):		-1,669,836.57	-1,669,836.57	148,654.93	509,610.36	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Group Summary

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 02 - UTILITY FUND					
Department: 40 - REVENUES					
85 - FEE & CHARGES FOR SERVICE	4,770,000.00	4,770,000.00	539,241.87	4,647,932.00	122,068.00
96 - INTEREST EARNED	2,000.00	2,000.00	5,956.23	16,849.36	-14,849.36
98 - MISCELLANEOUS REVENUE	60,000.00	60,000.00	7,571.77	53,578.15	6,421.85
Department: 40 - REVENUES Total:	4,832,000.00	4,832,000.00	552,769.87	4,718,359.51	113,640.49

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 45 - WATER & SEWER					
30 - SALARIES, WAGES, & BENEFITS	408,076.57	408,076.57	31,088.04	361,143.29	46,933.28
35 - SUPPLIES	82,210.00	82,210.00	8,462.63	70,251.33	11,958.67
40 - MAINTENANCE--BLDGS, STRUC	206,000.00	206,000.00	51,313.57	496,747.11	-290,747.11
45 - MAINTENANCE	7,400.00	7,400.00	0.00	19,681.79	-12,281.79
50 - SERVICES	540,060.00	540,060.00	120,914.14	561,009.78	-20,949.78
54 - SUNDRY	1,808,900.00	1,808,900.00	126,997.39	1,646,462.16	162,437.84
55 - PROFESSIONAL SERVICES	210,000.00	210,000.00	4,783.90	39,381.04	170,618.96
60 - OTHER SERVICES	21,500.00	21,500.00	0.00	25,319.51	-3,819.51
97 - INTERFUND ACTIVITY	733,690.00	733,690.00	0.00	733,690.00	0.00
Department: 45 - WATER & SEWER Total:	4,017,836.57	4,017,836.57	343,559.67	3,953,686.01	64,150.56

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 46 - UTILITY CAPITAL PROJECT					
70 - CAPITAL IMPROVEMENTS	2,560,000.00	2,560,000.00	27,993.00	264,786.48	2,295,213.52
Department: 46 - UTILITY CAPITAL PROJECT Total:	2,560,000.00	2,560,000.00	27,993.00	264,786.48	2,295,213.52
Fund: 02 - UTILITY FUND Surplus (Deficit):	-1,745,836.57	-1,745,836.57	181,217.20	499,887.02	-2,245,723.59
Fund: 04 - IMPACT FEE FUND					
Department: 43 - 43					
85 - FEE & CHARGES FOR SERVICE	75,000.00	75,000.00	0.00	43,635.00	31,365.00
96 - INTEREST EARNED	1,000.00	1,000.00	1,854.16	5,075.31	-4,075.31
Department: 43 - 43 Total:	76,000.00	76,000.00	1,854.16	48,710.31	27,289.69
Fund: 04 - IMPACT FEE FUND Total:	76,000.00	76,000.00	1,854.16	48,710.31	27,289.69
Fund: 11 - GOLF COURSE FUND					
Department: 80 - 80					
85 - FEE & CHARGES FOR SERVICE	2,110,800.00	2,110,800.00	185,160.28	2,038,731.69	72,068.31
96 - INTEREST EARNED	150.00	150.00	744.53	1,565.12	-1,415.12
97 - INTERFUND ACTIVITY	237,098.86	237,098.86	0.00	0.00	237,098.86
Department: 80 - 80 Total:	2,348,048.86	2,348,048.86	185,904.81	2,040,296.81	307,752.05

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 81 - CLUB HOUSE					
30 - SALARIES, WAGES, & BENEFITS	532,755.26	532,755.26	42,292.77	469,349.49	63,405.77
34 - COST OF SALES	159,500.00	159,500.00	25,414.70	209,469.23	-49,969.23
35 - SUPPLIES	17,350.00	17,350.00	-143.97	13,108.50	4,241.50
45 - MAINTENANCE	5,950.00	5,950.00	69.99	9,950.08	-4,000.08
50 - SERVICES	39,000.00	39,000.00	180.00	24,786.99	14,213.01
54 - SUNDRY	79,900.00	79,900.00	9,058.46	85,564.49	-5,664.49
55 - PROFESSIONAL SERVICES	3,500.00	3,500.00	0.00	0.00	3,500.00
60 - OTHER SERVICES	20,000.00	20,000.00	0.00	21,000.52	-1,000.52
97 - INTERFUND ACTIVITY	148,950.00	148,950.00	0.00	0.00	148,950.00
Department: 81 - CLUB HOUSE Total:	1,006,905.26	1,006,905.26	76,871.95	833,229.30	173,675.96

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 82 - COURSE MAINTENANCE					
30 - SALARIES, WAGES, & BENEFITS	640,887.88	640,887.88	37,335.87	436,082.31	204,805.57
35 - SUPPLIES	141,200.00	141,200.00	9,732.61	131,771.66	9,428.34
40 - MAINTENANCE--BLDGS, STRUC	4,000.00	4,000.00	0.00	1,532.00	2,468.00
45 - MAINTENANCE	10,000.00	10,000.00	0.00	7,060.97	2,939.03
50 - SERVICES	8,000.00	8,000.00	258.00	6,567.69	1,432.31
54 - SUNDRY	90,500.00	90,500.00	85,583.00	460,827.40	-370,327.40
55 - PROFESSIONAL SERVICES	3,000.00	3,000.00	0.00	1,329.80	1,670.20
97 - INTERFUND ACTIVITY	375.00	375.00	0.00	0.00	375.00
Department: 82 - COURSE MAINTENANCE Total:	897,962.88	897,962.88	132,909.48	1,045,171.83	-147,208.95

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 83 - BUILDING MAINTENANCE					
35 - SUPPLIES	5,600.00	5,600.00	173.89	4,383.35	1,216.65
40 - MAINTENANCE--BLDGS, STRUC	16,000.00	16,000.00	2,287.60	19,143.46	-3,143.46
45 - MAINTENANCE	2,000.00	2,000.00	0.00	1,725.96	274.04
50 - SERVICES	25,000.00	25,000.00	1,832.04	16,375.47	8,624.53
55 - PROFESSIONAL SERVICES	800.00	800.00	0.00	692.00	108.00
Department: 83 - BUILDING MAINTENANCE Total:	49,400.00	49,400.00	4,293.53	42,320.24	7,079.76

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 87 - GC CAPITAL IMPROVEMENT					
70 - CAPITAL IMPROVEMENTS	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76
Department: 87 - GC CAPITAL IMPROVEMENT Total:	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 88 - EQUIPMENT MAINTENANCE					
30 - SALARIES, WAGES, & BENEFITS	68,555.72	68,555.72	5,055.59	62,576.07	5,979.65
35 - SUPPLIES	29,150.00	29,150.00	117.21	25,930.52	3,219.48
45 - MAINTENANCE	6,000.00	6,000.00	0.00	4,545.06	1,454.94
50 - SERVICES	500.00	500.00	0.00	0.00	500.00
97 - INTERFUND ACTIVITY	226,450.00	226,450.00	0.00	0.00	226,450.00
Department: 88 - EQUIPMENT MAINTENANCE Total:	330,655.72	330,655.72	5,172.80	93,051.65	237,604.07
Fund: 11 - GOLF COURSE FUND Surplus (Deficit):	0.00	0.00	-34,416.43	-38,986.97	38,986.97
Total Surplus (Deficit):	-1,669,836.57	-1,669,836.57	148,654.93	509,610.36	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Fund Summary

Fund	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
02 - UTILITY FUND	-1,745,836.57	-1,745,836.57	181,217.20	499,887.02	-2,245,723.59
04 - IMPACT FEE FUND	76,000.00	76,000.00	1,854.16	48,710.31	27,289.69
11 - GOLF COURSE FUND	0.00	0.00	-34,416.43	-38,986.97	38,986.97
Total Surplus (Deficit):	-1,669,836.57	-1,669,836.57	148,654.93	509,610.36	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022



Jersey Village, TX

Income Statement Account Summary

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining	
Fund: 01 - GENERAL FUND						
Department: 10 - REVENUES						
Category: 72 - PROPERTY TAXES						
01-10-7201	CURRENT PROPERTY TAXES	6,756,278.00	6,756,278.00	0.00	6,617,779.51	138,498.49
01-10-7202	DELINQUENT PROPERTY TAXES	30,000.00	30,000.00	12,605.31	-94,584.57	124,584.57
01-10-7203	PENALTY, INTEREST & COSTS	25,000.00	25,000.00	5,945.39	24,277.76	722.24
	Category: 72 - PROPERTY TAXES Total:	6,811,278.00	6,811,278.00	18,550.70	6,547,472.70	263,805.30
Category: 75 - OTHER TAXES						
01-10-7511	ELECTRIC FRANCHISE	360,000.00	360,000.00	30,219.76	332,263.88	27,736.12
01-10-7512	TELEPHONE FRANCHISE	59,000.00	59,000.00	3,219.99	13,694.55	45,305.45
01-10-7513	GAS FRANCHISE	40,000.00	40,000.00	10,308.81	46,676.05	-6,676.05
01-10-7514	CABLE TV FRANCHISE	75,000.00	75,000.00	19,579.62	80,004.60	-5,004.60
01-10-7515	TELECOMMUNICATION	14,000.00	14,000.00	3,594.65	21,327.15	-7,327.15
01-10-7621	CITY SALES TAX	3,986,000.00	3,986,000.00	511,347.30	4,434,699.77	-448,699.77
01-10-7622	SALES TX-RED. PROPERTY TX	323,850.00	323,850.00	0.00	371,211.02	-47,361.02
01-10-7631	MIXED DRINK TAX	30,000.00	30,000.00	2,687.83	30,025.55	-25.55
	Category: 75 - OTHER TAXES Total:	4,887,850.00	4,887,850.00	580,957.96	5,329,902.57	-442,052.57
Category: 80 - FINES WARRANTS & BONDS						
01-10-8001	FINES	900,000.00	900,000.00	61,030.96	525,381.00	374,619.00
01-10-8002	TIME PAYMENT FEE-GENERAL	10,000.00	10,000.00	260.00	2,712.55	7,287.45
01-10-8003	TIME PAYMENT FEE-COURT	0.00	0.00	27.50	445.64	-445.64
01-10-8004	COURT TECHNOLOGY FEES	0.00	0.00	1,429.88	11,942.14	-11,942.14
01-10-8005	COURT SECURITY FEE	0.00	0.00	1,592.74	12,689.36	-12,689.36
01-10-8006	OMNI FEE	8,000.00	8,000.00	320.00	4,227.12	3,772.88
01-10-8007	CHILD SAFETY FEE	0.00	0.00	25.00	209.76	-209.76
01-10-8008	JUDICIAL FEE	0.00	0.00	74.05	792.68	-792.68
	Category: 80 - FINES WARRANTS & BONDS Total:	918,000.00	918,000.00	64,760.13	558,400.25	359,599.75
Category: 85 - FEE & CHARGES FOR SERVICE						
01-10-8501	GARBAGE FEES/RESIDENTIAL	500.00	500.00	0.00	0.00	500.00
01-10-8503	POOL MEMBERSHIP FEES	20,000.00	20,000.00	2,167.80	33,920.78	-13,920.78
01-10-8504	SWIM LESSON	5,000.00	5,000.00	0.00	1,395.00	3,605.00
01-10-8505	POOL RENTALS	1,000.00	1,000.00	450.00	2,400.00	-1,400.00
01-10-8506	REC PROGRAMS	4,000.00	4,000.00	220.00	7,150.00	-3,150.00
01-10-8507	AMBULANCE SERVICE FEES	250,000.00	250,000.00	26,623.47	219,757.40	30,242.60
01-10-8509	PET TAGS	800.00	800.00	25.00	335.00	465.00
01-10-8510	COIN OPERATOR FEES	0.00	0.00	0.00	37.50	-37.50
01-10-8511	JERSEY VILLAGE STICKERS	0.00	0.00	8.00	89.00	-89.00
01-10-8512	RENTAL FEE	40,000.00	40,000.00	600.00	41,917.00	-1,917.00
01-10-8513	CHILD SAFETY FEE-COUNTY	9,000.00	9,000.00	756.48	8,474.37	525.63
01-10-8514	FOOD & BEVERAGE FEES	1,000.00	1,000.00	22.00	1,117.00	-117.00
01-10-8515	POLICE OFFICER FEE	0.00	0.00	0.00	560.00	-560.00
01-10-8516	FARMER'S MARKET FEES	7,200.00	7,200.00	302.00	3,820.00	3,380.00
01-10-8517	PARK RENTALS	9,250.00	9,250.00	425.00	5,675.00	3,575.00
01-10-8579	CASH OVER/UNDER	0.00	0.00	0.00	59.54	-59.54
01-10-8999	PLAN CHECKING AND PLAT REVIEW	32,000.00	32,000.00	5,608.13	68,307.75	-36,307.75
	Category: 85 - FEE & CHARGES FOR SERVICE Total:	379,750.00	379,750.00	37,207.88	395,015.34	-15,265.34
Category: 90 - LICENSES & PERMITS						
01-10-9001	BUILDING PERMITS	82,000.00	82,000.00	10,707.96	147,639.68	-65,639.68
01-10-9002	PLUMBING PERMITS	10,000.00	10,000.00	2,390.00	28,728.67	-18,728.67
01-10-9003	ELECTRICAL PERMITS	16,000.00	16,000.00	1,854.50	28,141.70	-12,141.70
01-10-9004	MECHANICAL PERMITS	8,000.00	8,000.00	1,037.50	13,710.98	-5,710.98
01-10-9006	SIGN PERMITS	12,000.00	12,000.00	1,049.59	13,462.08	-1,462.08

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
01-10-9007	LIQUOR LICENSES	8,000.00	8,000.00	562.50	7,202.50	797.50
01-10-9010	ANTENNA ANNUAL FEES	5,000.00	5,000.00	0.00	4,392.03	607.97
01-10-9011	PLANNING & ZONING APPLICATION FEES	0.00	0.00	679.00	3,212.50	-3,212.50
01-10-9012	BURGLAR/FIRE ALARM PERMIT	8,500.00	8,500.00	190.97	4,130.54	4,369.46
01-10-9013	FIRE MARSHAL PERM FEES	1,100.00	1,100.00	0.00	330.00	770.00
01-10-9015	OPERATIONAL HARZADOUS PERM	100.00	100.00	0.00	0.00	100.00
01-10-9016	HOTEL/MOTEL LICENSE PERMITS	1,000.00	1,000.00	25.00	1,325.00	-325.00
Category: 90 - LICENSES & PERMITS Total:		151,700.00	151,700.00	18,497.02	252,275.68	-100,575.68
Category: 96 - INTEREST EARNED						
01-10-9601	INTEREST EARNED	10,000.00	10,000.00	31,736.52	88,037.99	-78,037.99
Category: 96 - INTEREST EARNED Total:		10,000.00	10,000.00	31,736.52	88,037.99	-78,037.99
Category: 97 - INTERFUND ACTIVITY						
01-10-9750	CRIME CONTROL DISTRICT REIMB.	1,969,284.41	1,999,580.41	0.00	1,879,284.41	120,296.00
01-10-9752	TRANSFER FROM UTLY FUND	608,000.00	608,000.00	0.00	608,000.00	0.00
01-10-9753	COURT SECURITY & TECH REIMB.	50,300.00	50,300.00	0.00	0.00	50,300.00
01-10-9754	TRANSFER FROM MOTEL TAX FUND	19,570.00	19,570.00	0.00	19,570.00	0.00
01-10-9755	FIRE CONTROL PREV & EMERG REIMB	1,149,879.00	1,149,879.00	0.00	5,000.00	1,144,879.00
Category: 97 - INTERFUND ACTIVITY Total:		3,797,033.41	3,827,329.41	0.00	2,511,854.41	1,315,475.00
Category: 98 - MISCELLANEOUS REVENUE						
01-10-9807	DONATIONS - POLICE DEPT.	0.00	0.00	0.00	256.00	-256.00
01-10-9816	PROPERTY LIENS/ORD VIOLATION	0.00	0.00	0.00	5.00	-5.00
01-10-9899	MISCELLANEOUS	60,000.00	60,000.00	32,321.46	99,662.60	-39,662.60
Category: 98 - MISCELLANEOUS REVENUE Total:		60,000.00	60,000.00	32,321.46	99,923.60	-39,923.60
Category: 99 - OTHER AGENCY REVENUES						
01-10-9904	FEMA	0.00	0.00	11,282.03	11,282.03	-11,282.03
01-10-9905	AMBULANCE FEES STATE GRANT	30,000.00	30,000.00	0.00	0.00	30,000.00
01-10-9906	LEOSE FUNDS - TRAINING GRANT	0.00	0.00	0.00	2,522.23	-2,522.23
Category: 99 - OTHER AGENCY REVENUES Total:		30,000.00	30,000.00	11,282.03	13,804.26	16,195.74
Department: 10 - REVENUES Total:		17,045,611.41	17,075,907.41	795,313.70	15,796,686.80	1,279,220.61

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 11 - ADMINISTRATIVE SERVICE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-11-3001	SALARIES	409,198.86	487,083.86	36,442.72	369,801.03	117,282.83
01-11-3002	WAGES	27,040.00	27,040.00	12,938.46	41,791.50	-14,751.50
01-11-3003	LONGEVITY	959.92	959.92	79.40	782.77	177.15
01-11-3010	INCENTIVES	1,799.98	1,799.98	138.46	1,638.51	161.47
01-11-3020	EMPLOYEE AWARDS/BONUS	6,700.00	6,700.00	0.00	6,157.60	542.40
01-11-3051	FICA/MEDICARE TAXES	29,756.61	35,714.61	3,718.83	28,343.88	7,370.73
01-11-3052	WORKMEN'S COMPENSATION	11,627.00	11,627.00	0.00	692.92	10,934.08
01-11-3053	UNEMPLOYMENT INSURANCE	576.00	1,166.00	6.02	1,218.31	-52.31
01-11-3054	RETIREMENT	59,002.68	69,906.68	6,879.56	58,131.90	11,774.78
01-11-3055	HEALTH INSURANCE	42,499.34	50,104.34	5,294.17	43,396.77	6,707.57
01-11-3056	LIFE INS	211.38	236.38	46.80	192.90	43.48
01-11-3057	DENTAL INSURANCE	2,532.14	3,093.14	391.42	3,027.38	65.76
01-11-3058	LONG-TERM DISABILITY	1,300.74	1,682.74	238.00	1,924.91	-242.17
01-11-3060	VISION INSURANCE	344.24	434.24	41.92	342.00	92.24
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		593,548.89	697,548.89	66,215.76	557,442.38	140,106.51
Category: 35 - SUPPLIES						
01-11-3502	POSTAGE/FREIGHT/DEL. FEE	150.00	150.00	0.00	0.00	150.00
01-11-3503	OFFICE SUPPLIES	4,000.00	4,000.00	0.00	2,104.31	1,895.69
01-11-3510	BOOKS & PERIODICALS	200.00	200.00	0.00	329.00	-129.00
01-11-3520	FOOD	10,000.00	10,000.00	0.00	9,959.99	40.01
Category: 35 - SUPPLIES Total:		14,350.00	14,350.00	0.00	12,393.30	1,956.70
Category: 45 - MAINTENANCE						
01-11-4501	FURN.,FIXT.,& OFF. MACH.	2,000.00	2,000.00	0.00	1,861.08	138.92
Category: 45 - MAINTENANCE Total:		2,000.00	2,000.00	0.00	1,861.08	138.92
Category: 50 - SERVICES						
01-11-5001	MAYOR & COUNCIL EXPENDITURES	4,000.00	4,000.00	0.00	2,772.37	1,227.63
01-11-5007	RECORDS MANAGEMENT	7,500.00	7,500.00	0.00	6,510.11	989.89
01-11-5012	PRINTING	250.00	250.00	0.00	255.56	-5.56
01-11-5014	MEDICAL EXPENSES	10,000.00	10,000.00	989.00	9,954.90	45.10
01-11-5020	COMMUNICATIONS	3,600.00	3,600.00	159.45	1,675.54	1,924.46
01-11-5025	NEWSPAPER NOTICES	6,500.00	6,500.00	0.00	1,324.76	5,175.24
01-11-5026	CODIFICATIONS	7,400.00	7,400.00	0.00	1,628.80	5,771.20
01-11-5027	MEMBERSHIPS/SUBSCRIPTIONS	6,000.00	6,000.00	0.00	8,937.90	-2,937.90
01-11-5028	TEXAS LEGISLATIVE SERVICES	1.00	1.00	0.00	0.00	1.00
01-11-5029	TRAVEL/TRAINING	14,000.00	14,000.00	0.00	13,612.62	387.38
01-11-5030	CAR ALLOWANCE	6,500.00	6,500.00	500.00	1,250.00	5,250.00
01-11-5041	NEWSLETTER	9,500.00	9,500.00	0.00	7,310.35	2,189.65
Category: 50 - SERVICES Total:		75,251.00	75,251.00	1,648.45	55,232.91	20,018.09
Category: 54 - SUNDRY						
01-11-5401	ELECTION EXPENSE	21,000.00	21,000.00	0.00	8,724.70	12,275.30
Category: 54 - SUNDRY Total:		21,000.00	21,000.00	0.00	8,724.70	12,275.30
Category: 60 - OTHER SERVICES						
01-11-6005	NOTARY SURETY BONDS	300.00	300.00	0.00	106.62	193.38
Category: 60 - OTHER SERVICES Total:		300.00	300.00	0.00	106.62	193.38
Category: 97 - INTERFUND ACTIVITY						
01-11-9772	TECHNOLOGY USER FEE	4,250.00	4,250.00	0.00	4,250.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		4,250.00	4,250.00	0.00	4,250.00	0.00
Department: 11 - ADMINISTRATIVE SERVICE Total:		710,699.89	814,699.89	67,864.21	640,010.99	174,688.90

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining	
Department: 12 - LEGAL/OTHER SERVICES						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-12-3052	WORKMEN'S COMPENSATION	250.00	250.00	0.00	173.24	76.76
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		250.00	250.00	0.00	173.24	76.76
Category: 50 - SERVICES						
01-12-5023	GRANTS AND INCENTIVES	2,089,000.00	2,014,000.00	633,561.57	1,538,571.05	475,428.95
Category: 50 - SERVICES Total:		2,089,000.00	2,014,000.00	633,561.57	1,538,571.05	475,428.95
Category: 55 - PROFESSIONAL SERVICES						
01-12-5502	LEGAL FEES	125,000.00	125,000.00	2,809.50	47,136.79	77,863.21
01-12-5515	CONSULTANT SERVICES	10,000.00	85,000.00	935.89	69,447.90	15,552.10
Category: 55 - PROFESSIONAL SERVICES Total:		135,000.00	210,000.00	3,745.39	116,584.69	93,415.31
Category: 60 - OTHER SERVICES						
01-12-6001	AUTOMOBILE LIABILITY	56,350.00	56,350.00	0.00	66,913.62	-10,563.62
01-12-6003	LIABILITY-FIRE & CASUALTY INSR	69,140.00	69,140.00	0.00	72,573.69	-3,433.69
01-12-6005	SURETY BONDS	500.00	500.00	0.00	565.46	-65.46
Category: 60 - OTHER SERVICES Total:		125,990.00	125,990.00	0.00	140,052.77	-14,062.77
Category: 97 - INTERFUND ACTIVITY						
01-12-9761	TRANSFER TO GOLF FUND	237,098.86	237,098.86	0.00	0.00	237,098.86
01-12-9763	TRANSFER TO TIRZ 3	1,000,000.00	1,000,000.00	0.00	1,000,000.00	0.00
01-12-9772	TECHNOLOGY USER FEES	375.00	375.00	0.00	375.00	0.00
01-12-9795	TRANSFER TO CAP REPLACEMENT	0.00	475,000.00	0.00	0.00	475,000.00
Category: 97 - INTERFUND ACTIVITY Total:		1,237,473.86	1,712,473.86	0.00	1,000,375.00	712,098.86
Department: 12 - LEGAL/OTHER SERVICES Total:		3,587,713.86	4,062,713.86	637,306.96	2,795,756.75	1,266,957.11

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 13 - INFO TECHNOLOGY						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-13-3001	SALARIES	246,136.92	246,136.92	17,949.67	267,500.11	-21,363.19
01-13-3002	WAGES	10,230.00	10,230.00	352.00	6,887.57	3,342.43
01-13-3003	LONGEVITY	1,199.90	1,199.90	36.92	958.37	241.53
01-13-3010	INCENTIVES	1,200.00	1,200.00	0.00	55.00	1,145.00
01-13-3051	FICA/MEDICARE TAXES	19,118.66	19,118.66	1,345.04	20,471.15	-1,352.49
01-13-3052	WORKMEN'S COMPENSATION	449.00	449.00	0.00	519.73	-70.73
01-13-3053	UNEMPLOYMENT INSURANCE	576.00	576.00	8.77	1,104.13	-528.13
01-13-3054	RETIREMENT	34,874.49	34,874.49	2,542.63	38,020.27	-3,145.78
01-13-3055	HEALTH INSURANCE	29,458.78	29,458.78	3,218.46	26,282.12	3,176.66
01-13-3056	LIFE INS	211.38	211.38	35.10	181.20	30.18
01-13-3057	DENTAL INSURANCE	2,532.14	2,532.14	213.22	2,325.96	206.18
01-13-3058	LONG-TERM DISABILITY	981.29	981.29	88.19	931.77	49.52
01-13-3060	VISION INSURANCE	297.96	297.96	31.84	244.45	53.51
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		347,266.52	347,266.52	25,821.84	365,481.83	-18,215.31
Category: 35 - SUPPLIES						
01-13-3502	POSTAGE/FREIGHT	500.00	500.00	0.00	250.20	249.80
01-13-3503	OFFICE SUPPLIES	250.00	250.00	0.00	199.25	50.75
01-13-3509	COMPUTER SUPPLIES	2,200.00	2,200.00	0.00	3,792.36	-1,592.36
01-13-3510	BOOKS & PERIODICALS	100.00	100.00	0.00	0.00	100.00
Category: 35 - SUPPLIES Total:		3,050.00	3,050.00	0.00	4,241.81	-1,191.81
Category: 45 - MAINTENANCE						
01-13-4501	FURN. FIXTURES. OFF EQUIPMENT	6,314.00	6,314.00	566.00	4,991.13	1,322.87
01-13-4502	COMPUTER EQUIPMENT	9,500.00	9,500.00	0.00	4,352.59	5,147.41
01-13-4504	SOFTWARE MAINTENANCE	255,321.00	270,861.00	12,550.65	229,059.75	41,801.25
Category: 45 - MAINTENANCE Total:		271,135.00	286,675.00	13,116.65	238,403.47	48,271.53
Category: 50 - SERVICES						
01-13-5020	COMMUNICATIONS	28,020.00	28,020.00	2,715.74	28,733.44	-713.44
01-13-5027	MEMBERSHIPS/SUBSCRIPT	1,450.00	1,450.00	0.00	1,966.77	-516.77
01-13-5029	TRAVEL/TRAINING	7,600.00	7,600.00	0.00	60.00	7,540.00
Category: 50 - SERVICES Total:		37,070.00	37,070.00	2,715.74	30,760.21	6,309.79
Category: 55 - PROFESSIONAL SERVICES						
01-13-5515	CONSULTANT SERVICES	105,000.00	105,000.00	7,225.90	41,806.26	63,193.74
Category: 55 - PROFESSIONAL SERVICES Total:		105,000.00	105,000.00	7,225.90	41,806.26	63,193.74
Category: 65 - CAPITAL OUTLAY						
01-13-6573	COMPUTER EQUIPMENT	4,000.00	46,890.00	399.00	420.08	46,469.92
01-13-6574	COMPUTER SOFTWARE	0.00	0.00	6,840.00	12,825.00	-12,825.00
Category: 65 - CAPITAL OUTLAY Total:		4,000.00	46,890.00	7,239.00	13,245.08	33,644.92
Category: 97 - INTERFUND ACTIVITY						
01-13-9740	COMPUTER CAPITAL	25,000.00	25,000.00	0.00	25,000.00	0.00
01-13-9772	TECHNOLOGY USER FEE	48,270.00	48,270.00	0.00	48,270.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		73,270.00	73,270.00	0.00	73,270.00	0.00
Department: 13 - INFO TECHNOLOGY Total:		840,791.52	899,221.52	56,119.13	767,208.66	132,012.86

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 14 - PURCHASING						
Category: 35 - SUPPLIES						
01-14-3502	POSTAGE/FREIGHT	17,000.00	17,000.00	882.22	17,393.03	-393.03
01-14-3503	OFFICE SUPPLIES	3,000.00	3,000.00	0.00	2,942.64	57.36
	Category: 35 - SUPPLIES Total:	20,000.00	20,000.00	882.22	20,335.67	-335.67
Category: 50 - SERVICES						
01-14-5012	PRINTING	1,000.00	1,000.00	0.00	0.00	1,000.00
01-14-5022	RENTAL OF EQUIPMENT	2,675.00	2,675.00	0.00	2,004.75	670.25
	Category: 50 - SERVICES Total:	3,675.00	3,675.00	0.00	2,004.75	1,670.25
	Department: 14 - PURCHASING Total:	23,675.00	23,675.00	882.22	22,340.42	1,334.58

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 15 - ACCOUNTING SERVICES						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-15-3001	SALARIES	265,950.19	265,950.19	20,383.98	230,896.85	35,053.34
01-15-3003	LONGEVITY	719.94	719.94	66.48	725.16	-5.22
01-15-3007	OVERTIME	2,900.00	2,900.00	0.00	0.00	2,900.00
01-15-3010	INCENTIVES	0.00	0.00	46.16	230.80	-230.80
01-15-3051	FICA/MEDICARE TAXES	19,652.81	19,652.81	1,473.66	16,658.47	2,994.34
01-15-3052	WORKMEN'S COMPENSATION	446.00	446.00	0.00	519.73	-73.73
01-15-3053	UNEMPLOYMENT INSURANCE	478.40	478.40	1.80	809.00	-330.60
01-15-3054	RETIREMENT	38,009.39	38,009.39	2,890.02	32,589.48	5,419.91
01-15-3055	HEALTH INSURANCE	55,539.90	55,539.90	3,646.88	44,506.85	11,033.05
01-15-3056	LIFE INS	211.38	211.38	35.10	187.04	24.34
01-15-3057	DENTAL INSURANCE	3,120.78	3,120.78	267.72	3,040.53	80.25
01-15-3058	LONG-TERM DISABILITY	1,044.49	1,044.49	99.88	1,076.80	-32.31
01-15-3060	VISION INSURANCE	390.52	390.52	30.04	341.17	49.35
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		388,463.80	388,463.80	28,941.72	331,581.88	56,881.92
Category: 35 - SUPPLIES						
01-15-3502	POSTAGE/FREIGHT/DEL.FEE	200.00	200.00	0.00	0.00	200.00
01-15-3503	OFFICE SUPPLIES	700.00	700.00	0.00	700.00	0.00
01-15-3510	BOOKS & PERIODICALS	50.00	50.00	0.00	0.00	50.00
Category: 35 - SUPPLIES Total:		950.00	950.00	0.00	700.00	250.00
Category: 45 - MAINTENANCE						
01-15-4501	FURN.FIXT. & OFF.MACH.	150.00	150.00	12.70	150.00	0.00
Category: 45 - MAINTENANCE Total:		150.00	150.00	12.70	150.00	0.00
Category: 50 - SERVICES						
01-15-5012	PRINTING	1,200.00	1,200.00	0.00	51.10	1,148.90
01-15-5020	COMMUNICATIONS	2,000.00	2,000.00	67.14	798.64	1,201.36
01-15-5027	MEMBERSHIPS	400.00	400.00	0.00	375.00	25.00
01-15-5029	TRAVEL/TRAINING	3,500.00	3,500.00	0.00	2,591.04	908.96
Category: 50 - SERVICES Total:		7,100.00	7,100.00	67.14	3,815.78	3,284.22
Category: 54 - SUNDRY						
01-15-5405	PERMITS & FEES	550.00	550.00	0.00	970.00	-420.00
Category: 54 - SUNDRY Total:		550.00	550.00	0.00	970.00	-420.00
Category: 55 - PROFESSIONAL SERVICES						
01-15-5501	AUDITS/CONTRACTS/STUDIES	37,000.00	37,000.00	2,001.38	49,462.39	-12,462.39
Category: 55 - PROFESSIONAL SERVICES Total:		37,000.00	37,000.00	2,001.38	49,462.39	-12,462.39
Category: 97 - INTERFUND ACTIVITY						
01-15-9772	TECHNOLOGY USER FEE	1,575.00	1,575.00	0.00	1,575.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		1,575.00	1,575.00	0.00	1,575.00	0.00
Department: 15 - ACCOUNTING SERVICES Total:		435,788.80	435,788.80	31,022.94	388,255.05	47,533.75

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 16 - CUSTOMER SERVICE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-16-3001	SALARIES	39,677.25	39,677.25	3,052.80	34,244.85	5,432.40
01-16-3003	LONGEVITY	575.90	575.90	48.00	529.02	46.88
01-16-3007	OVERTIME	100.00	100.00	0.00	0.00	100.00
01-16-3010	INCENTIVES	479.96	479.96	83.08	943.55	-463.59
01-16-3051	FICA/MEDICARE TAXES	2,909.68	2,909.68	219.68	2,461.11	448.57
01-16-3052	WORKMEN'S COMPENSATION	75.00	75.00	0.00	173.24	-98.24
01-16-3053	UNEMPLOYMENT INSURANCE	144.00	144.00	0.58	267.49	-123.49
01-16-3054	RETIREMENT	5,757.47	5,757.47	448.92	5,020.65	736.82
01-16-3055	HEALTH INSURANCE	14,411.54	14,411.54	1,083.78	12,442.63	1,968.91
01-16-3056	LIFE INS	70.46	70.46	11.70	62.35	8.11
01-16-3057	DENTAL INSURANCE	1,040.26	1,040.26	34.74	394.55	645.71
01-16-3058	LONG-TERM DISABILITY	166.64	166.64	14.96	159.78	6.86
01-16-3060	VISION INSURANCE	83.72	83.72	8.24	93.58	-9.86
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		65,491.88	65,491.88	5,006.48	56,792.80	8,699.08
Category: 35 - SUPPLIES						
01-16-3503	OFFICE SUPPLIES	500.00	500.00	0.00	526.96	-26.96
Category: 35 - SUPPLIES Total:		500.00	500.00	0.00	526.96	-26.96
Category: 45 - MAINTENANCE						
01-16-4501	FURN., FIX, & OFF MACH EQ	400.00	400.00	210.14	340.12	59.88
Category: 45 - MAINTENANCE Total:		400.00	400.00	210.14	340.12	59.88
Category: 50 - SERVICES						
01-16-5020	COMMUNICATIONS	3,000.00	3,000.00	67.14	798.62	2,201.38
Category: 50 - SERVICES Total:		3,000.00	3,000.00	67.14	798.62	2,201.38
Category: 55 - PROFESSIONAL SERVICES						
01-16-5527	HARRIS CTY APPRAISAL DIST	61,000.00	61,000.00	0.00	29,112.00	31,888.00
01-16-5528	HARRIS CTY TAX OFFICE	7,000.00	7,000.00	0.00	5,683.98	1,316.02
Category: 55 - PROFESSIONAL SERVICES Total:		68,000.00	68,000.00	0.00	34,795.98	33,204.02
Category: 97 - INTERFUND ACTIVITY						
01-16-9772	TECHNOLOGY USER FEE	375.00	375.00	0.00	375.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		375.00	375.00	0.00	375.00	0.00
Department: 16 - CUSTOMER SERVICE Total:		137,766.88	137,766.88	5,283.76	93,629.48	44,137.40

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 19 - MUNICIPAL COURT						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-19-3001	SALARIES	165,982.17	165,982.17	11,439.60	137,700.10	28,282.07
01-19-3003	LONGEVITY	1,008.02	1,008.02	88.62	976.63	31.39
01-19-3007	OVERTIME	5,000.00	5,000.00	2,421.29	3,762.84	1,237.16
01-19-3010	INCENTIVES	1,080.04	1,080.04	92.32	1,209.36	-129.32
01-19-3051	FICA/MEDICARE TAXES	12,752.90	12,752.90	1,111.37	10,850.66	1,902.24
01-19-3052	WORKMEN'S COMPENSATION	469.00	469.00	0.00	519.73	-50.73
01-19-3053	UNEMPLOYMENT INSURANCE	512.00	512.00	1.76	804.79	-292.79
01-19-3054	RETIREMENT	24,402.91	24,402.91	2,156.16	21,071.49	3,331.42
01-19-3055	HEALTH INSURANCE	33,488.00	33,488.00	3,084.16	34,333.97	-845.97
01-19-3056	LIFE INS	211.38	211.38	35.10	181.20	30.18
01-19-3057	DENTAL INSURANCE	2,080.52	2,080.52	213.22	2,421.57	-341.05
01-19-3058	LONG-TERM DISABILITY	697.12	697.12	62.18	671.38	25.74
01-19-3060	VISION INSURANCE	247.78	247.78	23.74	269.62	-21.84
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		247,931.84	247,931.84	20,729.52	214,773.34	33,158.50
Category: 35 - SUPPLIES						
01-19-3503	OFFICE SUPPLIES	2,000.00	2,000.00	0.00	1,079.76	920.24
01-19-3510	BOOKS & PERIODICALS	200.00	200.00	0.00	0.00	200.00
01-19-3523	TOOLS/EQUIPMENT	100.00	100.00	0.00	0.00	100.00
Category: 35 - SUPPLIES Total:		2,300.00	2,300.00	0.00	1,079.76	1,220.24
Category: 45 - MAINTENANCE						
01-19-4501	FURN., FIXT. & OFF. MACH.	500.00	500.00	210.14	450.10	49.90
Category: 45 - MAINTENANCE Total:		500.00	500.00	210.14	450.10	49.90
Category: 50 - SERVICES						
01-19-5012	PRINTING	2,000.00	2,000.00	51.50	277.60	1,722.40
01-19-5020	COMMUNICATIONS	2,000.00	2,000.00	67.14	798.62	1,201.38
01-19-5027	MEMBERSHIPS	300.00	300.00	0.00	190.00	110.00
01-19-5029	TRAVEL/TRAINING	3,500.00	3,500.00	0.00	1,082.32	2,417.68
Category: 50 - SERVICES Total:		7,800.00	7,800.00	118.64	2,348.54	5,451.46
Category: 54 - SUNDRY						
01-19-5404	JURY EXPENSE	800.00	800.00	0.00	113.17	686.83
Category: 54 - SUNDRY Total:		800.00	800.00	0.00	113.17	686.83
Category: 55 - PROFESSIONAL SERVICES						
01-19-5505	JUDGES	55,000.00	55,000.00	1,925.00	21,300.00	33,700.00
01-19-5506	PROSECUTORS	35,000.00	35,000.00	2,450.00	15,150.00	19,850.00
01-19-5516	COLLECTION AGENCY FEES	2,950.00	2,950.00	0.00	3,048.54	-98.54
01-19-5518	INTERPRETERS	500.00	500.00	0.00	12.04	487.96
Category: 55 - PROFESSIONAL SERVICES Total:		93,450.00	93,450.00	4,375.00	39,510.58	53,939.42
Department: 19 - MUNICIPAL COURT Total:		352,781.84	352,781.84	25,433.30	258,275.49	94,506.35

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 21 - POLICE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-21-3001	SALARIES	2,513,864.44	2,513,864.44	183,945.92	2,029,795.34	484,069.10
01-21-3003	LONGEVITY	5,184.92	5,184.92	444.89	4,749.61	435.31
01-21-3007	OVERTIME	82,000.00	82,000.00	24,802.75	201,462.23	-119,462.23
01-21-3010	INCENTIVES	21,838.96	21,838.96	2,939.88	30,323.11	-8,484.15
01-21-3014	S.T.E.P. PROGRAM	100,000.00	100,000.00	2,877.69	24,549.13	75,450.87
01-21-3051	FICA/MEDICARE TAXES	201,403.81	201,403.81	15,960.81	167,350.48	34,053.33
01-21-3052	WORKMEN'S COMPENSATION	44,631.00	44,631.00	0.00	49,069.00	-4,438.00
01-21-3053	UNEMPLOYMENT INSURANCE	4,752.00	4,752.00	26.86	8,481.80	-3,729.80
01-21-3054	RETIREMENT	384,096.47	384,096.47	29,503.94	318,358.80	65,737.67
01-21-3055	HEALTH INSURANCE	405,902.38	405,902.38	25,110.04	301,350.37	104,552.01
01-21-3056	LIFE INS	2,184.26	2,184.26	329.60	1,845.25	339.01
01-21-3057	DENTAL INSURANCE	24,007.10	24,007.10	1,790.22	20,302.62	3,704.48
01-21-3058	LONG-TERM DISABILITY	10,106.07	10,106.07	825.56	9,083.91	1,022.16
01-21-3060	VISION INSURANCE	3,708.64	3,708.64	194.20	2,049.83	1,658.81
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		3,803,680.05	3,803,680.05	288,752.36	3,168,771.48	634,908.57
Category: 35 - SUPPLIES						
01-21-3502	POSTAGE/FREIGHT/DEL. FEE	300.00	300.00	0.00	177.50	122.50
01-21-3503	OFFICE SUPPLIES	10,000.00	10,000.00	230.54	5,221.24	4,778.76
01-21-3504	WEARING APPAREL	29,474.00	29,474.00	1,370.27	20,118.27	9,355.73
01-21-3505	CRIME PREVENTION SUPPLIES	2,000.00	2,000.00	0.00	1,488.40	511.60
01-21-3510	BOOKS AND PERIODICALS	6,450.00	6,450.00	3,526.00	6,191.39	258.61
01-21-3515	MEDICAL SUPPLIES	2,000.00	2,000.00	0.00	680.35	1,319.65
01-21-3519	AMMUNITION AND TARGETS	10,000.00	10,000.00	1,934.00	8,213.42	1,786.58
01-21-3520	FOOD	2,400.00	2,400.00	0.00	2,174.11	225.89
01-21-3523	TOOLS/EQUIPMENT	24,200.00	24,200.00	1,045.00	9,838.04	14,361.96
01-21-3534	PARTS AND MATERIALS	500.00	500.00	0.00	186.11	313.89
Category: 35 - SUPPLIES Total:		87,324.00	87,324.00	8,105.81	54,288.83	33,035.17
Category: 45 - MAINTENANCE						
01-21-4501	FURN. FIXT. & OFF. MACH.	5,597.00	5,597.00	195.99	1,877.05	3,719.95
01-21-4503	RADIO AND RADAR EQUIPMENT	2,500.00	2,500.00	0.00	681.96	1,818.04
01-21-4510	VEHICLE CLEANING	2,000.00	2,000.00	53.00	1,203.72	796.28
01-21-4599	MISCELLANEOUS EQUIPMENT	13,400.00	13,400.00	0.00	4,448.60	8,951.40
Category: 45 - MAINTENANCE Total:		23,497.00	23,497.00	248.99	8,211.33	15,285.67
Category: 50 - SERVICES						
01-21-5012	PRINTING	2,000.00	2,000.00	0.00	1,925.55	74.45
01-21-5015	LAB TESTS	2,400.00	2,400.00	0.00	0.00	2,400.00
01-21-5020	COMMUNICATIONS	4,399.90	4,399.90	722.45	7,340.96	-2,941.06
01-21-5022	RENTAL OF EQUIPMENT	10,000.00	10,000.00	140.25	8,152.50	1,847.50
01-21-5025	PUBLIC NOTICES	250.00	250.00	0.00	0.00	250.00
01-21-5027	MEMBERSHIPS	2,600.00	2,600.00	0.00	2,043.00	557.00
01-21-5029	TRAVEL/TRAINING	37,250.00	38,697.69	120.00	34,406.35	4,291.34
01-21-5030	MAINTENANCE AGREEMENT	104,000.00	134,296.00	130,000.00	134,295.89	0.11
Category: 50 - SERVICES Total:		162,899.90	194,643.59	130,982.70	188,164.25	6,479.34
Category: 54 - SUNDRY						
01-21-5402	JAIL EXPENSE	3,000.00	3,000.00	0.00	399.25	2,600.75
Category: 54 - SUNDRY Total:		3,000.00	3,000.00	0.00	399.25	2,600.75
Category: 55 - PROFESSIONAL SERVICES						
01-21-5515	CONSULTANT SERVICES	1,800.00	1,800.00	0.00	1,541.00	259.00
Category: 55 - PROFESSIONAL SERVICES Total:		1,800.00	1,800.00	0.00	1,541.00	259.00
Category: 60 - OTHER SERVICES						
01-21-6003	LIABILITY-FIRE & CASUALTY INSR	21,400.00	21,400.00	0.00	22,878.10	-1,478.10
01-21-6005	NOTARY SURETY BONDS	340.00	340.00	0.00	0.00	340.00
Category: 60 - OTHER SERVICES Total:		21,740.00	21,740.00	0.00	22,878.10	-1,138.10

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Category: 65 - CAPITAL OUTLAY					
01-21-6572 SPECIAL EQUIPMENT-	5,000.00	5,000.00	0.00	1,294.56	3,705.44
Category: 65 - CAPITAL OUTLAY Total:	5,000.00	5,000.00	0.00	1,294.56	3,705.44
Category: 97 - INTERFUND ACTIVITY					
01-21-9771 TECHNOLOGY PURCHASE CONTRIBUTI	3,000.00	3,000.00	0.00	3,000.00	0.00
01-21-9772 TECHNOLOGY USER FEE	16,775.00	16,775.00	0.00	16,775.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:	19,775.00	19,775.00	0.00	19,775.00	0.00
Department: 21 - POLICE Total:	4,128,715.95	4,160,459.64	428,089.86	3,465,323.80	695,135.84

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 23 - COMMUNICATIONS						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-23-3001	SALARIES	470,591.79	470,591.79	36,791.42	391,934.92	78,656.87
01-23-3002	WAGES	24,000.00	24,000.00	0.00	1,008.21	22,991.79
01-23-3003	LONGEVITY	1,535.82	1,535.82	121.86	1,329.02	206.80
01-23-3007	OVERTIME	77,000.00	77,000.00	7,789.82	75,327.82	1,672.18
01-23-3010	INCENTIVES	5,759.52	13,499.52	904.58	10,192.57	3,306.95
01-23-3051	FICA/MEDICARE TAXES	40,622.28	40,622.28	3,335.50	36,281.94	4,340.34
01-23-3052	WORKMEN'S COMPENSATION	982.00	982.00	0.00	1,905.66	-923.66
01-23-3053	UNEMPLOYMENT INSURANCE	1,584.00	1,584.00	6.71	3,164.30	-1,580.30
01-23-3054	RETIREMENT	74,432.09	74,432.09	6,430.70	69,755.88	4,676.21
01-23-3055	HEALTH INSURANCE	105,562.86	105,562.86	8,490.76	91,919.18	13,643.68
01-23-3056	LIFE INS	634.14	634.14	99.45	518.20	115.94
01-23-3057	DENTAL INSURANCE	6,104.54	6,104.54	495.92	5,314.66	789.88
01-23-3058	LONG-TERM DISABILITY	1,976.49	1,976.49	163.12	1,679.47	297.02
01-23-3060	VISION INSURANCE	981.24	981.24	68.36	705.73	275.51
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		811,766.77	819,506.77	64,698.20	691,037.56	128,469.21
Category: 35 - SUPPLIES						
01-23-3502	POSTAGE	100.00	100.00	0.00	0.00	100.00
01-23-3503	OFFICE SUPPLIES	6,390.00	6,390.00	0.00	5,121.93	1,268.07
01-23-3504	WEARING APPAREL	3,475.00	3,475.00	0.00	2,696.21	778.79
01-23-3510	BOOKS AND PERIODICALS	400.00	400.00	0.00	223.00	177.00
01-23-3523	TOOLS/EQUIPMENT	3,000.00	3,000.00	0.00	2,904.71	95.29
Category: 35 - SUPPLIES Total:		13,365.00	13,365.00	0.00	10,945.85	2,419.15
Category: 45 - MAINTENANCE						
01-23-4501	FURN.FIXT. & OFF.MACH.	6,800.00	6,800.00	0.00	6,304.72	495.28
01-23-4503	RADIO AND RADAR EQUIPMENT	1,250.00	1,250.00	0.00	663.58	586.42
01-23-4505	TELEPHONE MAINTENANCE	13,400.00	13,400.00	0.00	0.00	13,400.00
01-23-4599	MISCELLANEOUS EQUIPMENT	600.00	600.00	0.00	506.14	93.86
Category: 45 - MAINTENANCE Total:		22,050.00	22,050.00	0.00	7,474.44	14,575.56
Category: 50 - SERVICES						
01-23-5012	PRINTING	100.00	100.00	0.00	64.39	35.61
01-23-5014	MEDICAL EXPENSES	0.00	0.00	0.00	332.50	-332.50
01-23-5020	COMMUNICATIONS	3,000.00	3,000.00	67.14	1,046.17	1,953.83
01-23-5024	RADIO USAGE FEES	2,000.00	2,000.00	89.00	890.00	1,110.00
01-23-5027	MEMBERSHIPS	1,200.00	1,200.00	0.00	539.99	660.01
01-23-5029	TRAVEL/TRAINING	6,000.00	6,000.00	0.00	2,330.50	3,669.50
Category: 50 - SERVICES Total:		12,300.00	12,300.00	156.14	5,203.55	7,096.45
Category: 60 - OTHER SERVICES						
01-23-6005	SURETY BONDS	600.00	600.00	0.00	191.80	408.20
Category: 60 - OTHER SERVICES Total:		600.00	600.00	0.00	191.80	408.20
Category: 97 - INTERFUND ACTIVITY						
01-23-9771	TECHNOLOGY PURCHASE CONTRIBUTI	3,000.00	3,000.00	0.00	3,000.00	0.00
01-23-9772	TECHNOLOGY USER FEE	55,575.00	55,575.00	0.00	55,575.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		58,575.00	58,575.00	0.00	58,575.00	0.00
Department: 23 - COMMUNICATIONS Total:		918,656.77	926,396.77	64,854.34	773,428.20	152,968.57

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 25 - FIRE DEPARTMENT						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-25-3001	SALARIES	869,756.93	869,756.93	67,769.27	762,610.02	107,146.91
01-25-3002	WAGES	142,751.00	142,751.00	2,059.77	38,165.78	104,585.22
01-25-3003	LONGEVITY	2,784.34	2,784.34	258.48	2,811.93	-27.59
01-25-3007	OVERTIME	173,000.00	173,000.00	17,645.87	175,852.70	-2,852.70
01-25-3009	VOLUNTEERS STIPEND	44,000.00	44,000.00	1,918.00	41,410.71	2,589.29
01-25-3010	INCENTIVES	35,439.46	35,439.46	1,232.24	12,733.95	22,705.51
01-25-3051	FICA/MEDICARE TAXES	90,479.70	90,479.70	6,746.47	76,634.94	13,844.76
01-25-3052	WORKMEN'S COMPENSATION	29,010.00	29,010.00	0.00	26,066.64	2,943.36
01-25-3053	UNEMPLOYMENT INSURANCE	2,160.00	2,160.00	14.37	6,622.17	-4,462.17
01-25-3054	RETIREMENT	148,554.88	148,554.88	12,253.71	163,479.63	-14,924.75
01-25-3055	HEALTH INSURANCE	165,534.20	165,534.20	12,805.44	152,394.97	13,139.23
01-25-3056	LIFE INS	845.52	845.52	186.20	777.45	68.07
01-25-3057	DENTAL INSURANCE	10,128.56	10,128.56	852.88	9,787.49	341.07
01-25-3058	LONG-TERM DISABILITY	3,546.49	3,546.49	332.22	3,552.97	-6.48
01-25-3059	FIREFIGHTERS' RETIREMENT	26,000.00	26,000.00	0.00	4,354.00	21,646.00
01-25-3060	VISION INSURANCE	1,408.94	1,408.94	91.08	1,050.50	358.44
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		1,745,400.02	1,745,400.02	124,166.00	1,478,305.85	267,094.17
Category: 35 - SUPPLIES						
01-25-3502	SHIPPING/FREIGHT CHARGES	500.00	500.00	0.00	12.70	487.30
01-25-3503	OFFICE SUPPLIES	6,999.00	6,999.00	0.00	2,648.42	4,350.58
01-25-3504	WEARING APPAREL	46,350.00	46,350.00	165.00	14,291.96	32,058.04
01-25-3505	FIRE PREVENTION MATERIALS	2,900.00	2,900.00	0.00	2,619.02	280.98
01-25-3508	FILM AND CAMERA SUPPLIES	50.00	50.00	0.00	0.00	50.00
01-25-3510	BOOKS AND PERIODICALS	1,150.00	1,150.00	0.00	0.00	1,150.00
01-25-3515	MEDICAL SUPPLIES	30,000.00	30,000.00	223.63	30,350.57	-350.57
01-25-3517	JANITORIAL SUPPLIES	1,400.00	1,400.00	0.00	1,051.53	348.47
01-25-3520	FOOD	8,999.00	8,999.00	0.00	4,407.81	4,591.19
01-25-3523	TOOLS/EQUIPMENT	61,000.00	61,000.00	0.00	45,656.67	15,343.33
01-25-3524	FEMA SUPPLIES	5,000.00	5,000.00	0.00	634.30	4,365.70
01-25-3525	FEMA EQUIPMENT	5,000.00	5,000.00	0.00	1,169.50	3,830.50
Category: 35 - SUPPLIES Total:		169,348.00	169,348.00	388.63	102,842.48	66,505.52
Category: 45 - MAINTENANCE						
01-25-4501	FURN, FIXT, & OFFICE EQPT.	10,700.00	10,700.00	143.75	3,589.90	7,110.10
01-25-4503	RADIO AND RADAR EQUIPMENT	2,500.00	2,500.00	0.00	902.70	1,597.30
01-25-4599	MAINTENANCE-MISC EQUIPMENT	34,749.00	34,749.00	3,207.51	32,696.70	2,052.30
Category: 45 - MAINTENANCE Total:		47,949.00	47,949.00	3,351.26	37,189.30	10,759.70
Category: 50 - SERVICES						
01-25-5012	PRINTING	750.00	750.00	0.00	0.00	750.00
01-25-5014	MEDICAL EXPENSES	1,000.00	1,000.00	0.00	0.00	1,000.00
01-25-5020	COMMUNICATIONS	5,000.00	5,000.00	91.41	2,024.08	2,975.92
01-25-5024	RADIO USAGE FEES	15,000.00	15,000.00	1,250.00	12,698.00	2,302.00
01-25-5027	MEMBERSHIPS	3,115.00	3,115.00	0.00	2,442.00	673.00
01-25-5029	TRAVEL/TRAINING	20,000.00	22,525.22	4,799.48	18,988.46	3,536.76
Category: 50 - SERVICES Total:		44,865.00	47,390.22	6,140.89	36,152.54	11,237.68
Category: 54 - SUNDRY						
01-25-5405	LICENSES/PERMITS	1,299.00	1,299.00	0.00	0.00	1,299.00
Category: 54 - SUNDRY Total:		1,299.00	1,299.00	0.00	0.00	1,299.00
Category: 55 - PROFESSIONAL SERVICES						
01-25-5508	MEDICAL AND OTHER WASTE-DISP	1,300.00	1,300.00	118.68	647.36	652.64
01-25-5512	ACCIDENT INSURANCE	5,300.00	5,300.00	0.00	0.00	5,300.00
01-25-5516	COLLECTION AGENCY FEES	48,000.00	48,000.00	3,038.40	28,436.05	19,563.95
Category: 55 - PROFESSIONAL SERVICES Total:		54,600.00	54,600.00	3,157.08	29,083.41	25,516.59
Department: 25 - FIRE DEPARTMENT Total:		2,063,461.02	2,065,986.24	137,203.86	1,683,573.58	382,412.66

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 30 - PUBLIC WORKS						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-30-3001	SALARIES	174,476.14	114,476.14	5,680.76	103,628.74	10,847.40
01-30-3003	LONGEVITY	336.18	336.18	25.84	324.34	11.84
01-30-3007	OVERTIME	1,000.00	1,000.00	0.00	0.00	1,000.00
01-30-3010	INCENTIVES	1,800.00	1,800.00	0.00	1,650.00	150.00
01-30-3051	FICA/MEDICARE TAXES	13,291.16	9,291.16	431.64	7,875.51	1,415.65
01-30-3052	WORKMEN'S COMPENSATION	2,807.00	2,807.00	0.00	346.49	2,460.51
01-30-3053	UNEMPLOYMENT INSURANCE	288.00	288.00	1.04	533.79	-245.79
01-30-3054	RETIREMENT	24,902.34	19,902.34	822.20	14,857.06	5,045.28
01-30-3055	HEALTH INSURANCE	15,047.24	15,047.24	552.83	9,809.68	5,237.56
01-30-3056	LIFE INS	140.92	140.92	11.70	89.60	51.32
01-30-3057	DENTAL INSURANCE	903.24	903.24	35.23	599.29	303.95
01-30-3058	LONG-TERM DISABILITY	676.55	676.55	28.45	442.15	234.40
01-30-3060	VISION INSURANCE	214.24	214.24	8.35	142.14	72.10
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		235,883.01	166,883.01	7,598.04	140,298.79	26,584.22
Category: 35 - SUPPLIES						
01-30-3502	POSTAGE/FREIGHT/DEL. FEE	100.00	100.00	0.00	13.55	86.45
01-30-3503	OFFICE SUPPLIES	1,500.00	1,500.00	77.98	1,912.40	-412.40
01-30-3504	WEARING APPAREL	500.00	500.00	0.00	404.62	95.38
01-30-3510	BOOKS AND PERIODICALS	100.00	100.00	0.00	0.00	100.00
01-30-3520	FOOD	2,500.00	2,500.00	18.16	853.54	1,646.46
Category: 35 - SUPPLIES Total:		4,700.00	4,700.00	96.14	3,184.11	1,515.89
Category: 45 - MAINTENANCE						
01-30-4501	FURNITURE AND EQUIPMENT	10,000.00	10,000.00	0.00	0.00	10,000.00
Category: 45 - MAINTENANCE Total:		10,000.00	10,000.00	0.00	0.00	10,000.00
Category: 50 - SERVICES						
01-30-5012	PRINTING	300.00	300.00	0.00	51.10	248.90
01-30-5020	COMMUNICATIONS	2,000.00	2,000.00	191.74	1,031.72	968.28
01-30-5027	MEMBERSHIPS	350.00	350.00	0.00	24.72	325.28
01-30-5029	TRAVEL/TRAINING	4,000.00	4,000.00	0.00	0.00	4,000.00
Category: 50 - SERVICES Total:		6,650.00	6,650.00	191.74	1,107.54	5,542.46
Category: 55 - PROFESSIONAL SERVICES						
01-30-5515	CONSULTANT SERVICES	20,000.00	20,000.00	1,500.00	20,940.50	-940.50
Category: 55 - PROFESSIONAL SERVICES Total:		20,000.00	20,000.00	1,500.00	20,940.50	-940.50
Category: 97 - INTERFUND ACTIVITY						
01-30-9772	TECHNOLOGY USER FEE	1,750.00	1,750.00	0.00	1,750.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		1,750.00	1,750.00	0.00	1,750.00	0.00
Department: 30 - PUBLIC WORKS Total:		278,983.01	209,983.01	9,385.92	167,280.94	42,702.07

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 31 - COMMUNITY DEVELOPMENT						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-31-3001	SALARIES	258,186.78	168,186.78	8,637.02	131,531.98	36,654.80
01-31-3003	LONGEVITY	191.88	191.88	18.46	200.93	-9.05
01-31-3007	OVERTIME	1,000.00	1,000.00	0.00	68.89	931.11
01-31-3010	INCENTIVES	479.96	479.96	336.92	2,969.31	-2,489.35
01-31-3051	FICA/MEDICARE TAXES	18,669.96	18,669.96	629.42	9,515.00	9,154.96
01-31-3052	WORKMEN'S COMPENSATION	1,100.00	1,100.00	0.00	744.91	355.09
01-31-3053	UNEMPLOYMENT INSURANCE	576.00	576.00	2.12	1,434.02	-858.02
01-31-3054	RETIREMENT	36,640.07	36,640.07	1,093.44	17,872.73	18,767.34
01-31-3055	HEALTH INSURANCE	76,104.08	61,104.08	2,493.56	37,951.41	23,152.67
01-31-3056	LIFE INS	281.84	281.84	22.40	150.95	130.89
01-31-3057	DENTAL INSURANCE	4,161.04	4,161.04	178.48	2,791.94	1,369.10
01-31-3058	LONG-TERM DISABILITY	688.26	688.26	36.26	579.19	109.07
01-31-3060	VISION INSURANCE	543.92	543.92	20.04	162.85	381.07
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		398,623.79	293,623.79	13,468.12	205,974.11	87,649.68
Category: 35 - SUPPLIES						
01-31-3503	OFFICE SUPPLIES	3,500.00	3,500.00	0.00	654.67	2,845.33
01-31-3504	WEARING APPAREL	900.00	900.00	0.00	429.63	470.37
01-31-3510	BOOKS AND PERIODICALS	700.00	700.00	0.00	0.00	700.00
01-31-3521	ANIMAL SHELTER	3,000.00	3,000.00	650.00	3,200.00	-200.00
01-31-3523	TOOLS/EQUIPMENT	300.00	300.00	0.00	0.00	300.00
Category: 35 - SUPPLIES Total:		8,400.00	8,400.00	650.00	4,284.30	4,115.70
Category: 50 - SERVICES						
01-31-5008	ABATEMENT/SUBSTANDARD PROPERTY	100.00	100.00	0.00	0.00	100.00
01-31-5012	PRINTING	600.00	600.00	0.00	110.70	489.30
01-31-5020	COMMUNICATIONS	4,500.00	4,500.00	67.14	798.67	3,701.33
01-31-5027	MEMBERSHIPS	900.00	900.00	0.00	0.00	900.00
01-31-5029	TRAVEL/TRAINING	7,500.00	7,500.00	0.00	705.85	6,794.15
Category: 50 - SERVICES Total:		13,600.00	13,600.00	67.14	1,615.22	11,984.78
Category: 54 - SUNDRY						
01-31-5405	PERMITS AND FEES	0.00	0.00	0.00	66.85	-66.85
Category: 54 - SUNDRY Total:		0.00	0.00	0.00	66.85	-66.85
Category: 55 - PROFESSIONAL SERVICES						
01-31-5515	CONSULTANT	75,000.00	180,000.00	287.50	132,813.39	47,186.61
Category: 55 - PROFESSIONAL SERVICES Total:		75,000.00	180,000.00	287.50	132,813.39	47,186.61
Category: 65 - CAPITAL OUTLAY						
01-31-6571	OFFICE FURNITURE & EQUIPMENT	600.00	600.00	0.00	0.00	600.00
Category: 65 - CAPITAL OUTLAY Total:		600.00	600.00	0.00	0.00	600.00
Category: 97 - INTERFUND ACTIVITY						
01-31-9772	TECHNOLOGY USER FEE	4,875.00	4,875.00	0.00	4,875.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		4,875.00	4,875.00	0.00	4,875.00	0.00
Department: 31 - COMMUNITY DEVELOPMENT Total:		501,098.79	501,098.79	14,472.76	349,628.87	151,469.92

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining	
Department: 32 - STREETS						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-32-3001	SALARIES	150,173.87	150,173.87	13,621.33	131,372.97	18,800.90
01-32-3003	LONGEVITY	144.04	144.04	18.46	175.65	-31.61
01-32-3007	OVERTIME	20,000.00	20,000.00	63.85	8,858.44	11,141.56
01-32-3010	INCENTIVES	2,479.96	2,479.96	36.92	419.31	2,060.65
01-32-3051	FICA/MEDICARE TAXES	12,228.17	12,228.17	983.51	9,800.77	2,427.40
01-32-3052	WORKMEN'S COMPENSATION	5,658.00	5,658.00	0.00	7,580.85	-1,922.85
01-32-3053	UNEMPLOYMENT INSURANCE	576.00	576.00	5.95	1,184.16	-608.16
01-32-3054	RETIREMENT	24,082.50	24,082.50	1,941.98	19,805.83	4,276.67
01-32-3055	HEALTH INSURANCE	49,387.26	49,387.26	2,630.24	42,867.01	6,520.25
01-32-3056	LIFE INS	211.38	211.38	46.80	181.20	30.18
01-32-3057	DENTAL	3,120.78	3,120.78	247.47	2,861.26	259.52
01-32-3058	LONG-TERM DISABILITY	630.73	630.73	64.65	612.30	18.43
01-32-3060	VISION INSURANCE	320.84	320.84	34.61	330.10	-9.26
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		269,013.53	269,013.53	19,695.77	226,049.85	42,963.68
Category: 35 - SUPPLIES						
01-32-3504	WEARING APPAREL	1,600.00	1,600.00	0.00	4,065.90	-2,465.90
01-32-3523	TOOLS/EQUIPMENT	3,000.00	3,000.00	0.00	1,086.18	1,913.82
01-32-3534	PARTS AND MATERIALS	90,000.00	90,000.00	9,703.11	42,381.52	47,618.48
Category: 35 - SUPPLIES Total:		94,600.00	94,600.00	9,703.11	47,533.60	47,066.40
Category: 40 - MAINTENANCE--BLDGS, STRUC						
01-32-4002	STREET SIGNS	10,000.00	10,000.00	3,209.89	17,433.55	-7,433.55
01-32-4003	STREET MAINTENANCE MAT'L	30,000.00	30,000.00	1,180.02	18,200.34	11,799.66
01-32-4004	SIDEWALK REPLACEMENT	25,000.00	25,000.00	19,897.99	19,897.99	5,102.01
Category: 40 - MAINTENANCE--BLDGS, STRUC Total:		65,000.00	65,000.00	24,287.90	55,531.88	9,468.12
Category: 45 - MAINTENANCE						
01-32-4503	RADIO/RADAR EQUIPMENT	800.00	800.00	0.00	0.00	800.00
01-32-4598	ORNMNTL STREET LIGHT MAIN	1,000.00	1,000.00	0.00	0.00	1,000.00
Category: 45 - MAINTENANCE Total:		1,800.00	1,800.00	0.00	0.00	1,800.00
Category: 50 - SERVICES						
01-32-5016	STREET LIGHTING	195,000.00	195,000.00	11,441.92	137,175.09	57,824.91
01-32-5020	COMMUNICATIONS	3,000.00	3,000.00	99.44	1,693.16	1,306.84
01-32-5022	RENTAL OF EQUIPMENT	1,000.00	1,000.00	0.00	0.00	1,000.00
01-32-5029	TRAVEL/TRAINING	5,000.00	5,000.00	0.00	2,265.12	2,734.88
Category: 50 - SERVICES Total:		204,000.00	204,000.00	11,541.36	141,133.37	62,866.63
Category: 55 - PROFESSIONAL SERVICES						
01-32-5507	MOSQUITO SPRAYING	16,000.00	16,000.00	1,520.76	10,785.73	5,214.27
01-32-5515	CONSULTANT SERVICES	5,000.00	5,000.00	0.00	3,000.00	2,000.00
Category: 55 - PROFESSIONAL SERVICES Total:		21,000.00	21,000.00	1,520.76	13,785.73	7,214.27
Category: 97 - INTERFUND ACTIVITY						
01-32-9772	TECHNOLOGY USER FEE	500.00	500.00	0.00	500.00	0.00
01-32-9791	EQUIPMENT USER FEE	30,000.00	30,000.00	0.00	30,000.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		30,500.00	30,500.00	0.00	30,500.00	0.00
Department: 32 - STREETS Total:		685,913.53	685,913.53	66,748.90	514,534.43	171,379.10

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 33 - BUILDING MAINTENANCE						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-33-3001	SALARIES	58,444.62	58,444.62	266.07	49,316.49	9,128.13
01-33-3002	WAGES	24,000.00	24,000.00	2,204.25	24,039.96	-39.96
01-33-3003	LONGEVITY	95.94	95.94	7.38	122.14	-26.20
01-33-3007	OVERTIME	5,000.00	5,000.00	0.00	730.87	4,269.13
01-33-3051	FICA/MEDICARE TAXES	6,577.83	6,577.83	184.96	5,577.65	1,000.18
01-33-3052	WORKMEN'S COMPENSATION	1,382.00	1,382.00	0.00	2,052.56	-670.56
01-33-3053	UNEMPLOYMENT INSURANCE	288.00	288.00	1.58	1,114.42	-826.42
01-33-3054	RETIREMENT	8,959.22	8,959.22	38.56	6,804.66	2,154.56
01-33-3055	HEALTH INSURANCE	7,523.62	7,523.62	276.43	6,207.06	1,316.56
01-33-3056	LIFE INS	70.46	70.46	0.00	44.80	25.66
01-33-3057	DENTAL	1,040.26	1,040.26	44.62	968.89	71.37
01-33-3058	LONG-TERM DISABILITY	266.47	266.47	1.30	229.90	36.57
01-33-3060	VISION INSURANCE	107.12	107.12	4.12	89.46	17.66
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		113,755.54	113,755.54	3,029.27	97,298.86	16,456.68
Category: 35 - SUPPLIES						
01-33-3504	WEARING APPAREL	1,000.00	1,000.00	0.00	0.00	1,000.00
01-33-3517	JANITORIAL SUPPLIES	8,500.00	8,500.00	227.09	5,855.10	2,644.90
01-33-3523	TOOLS/EQUIPMENT	750.00	750.00	0.00	378.81	371.19
01-33-3540	POWERED EQUIPMENT	1,200.00	1,200.00	0.00	0.00	1,200.00
01-33-3541	SAFETY PRODUCTS	750.00	750.00	0.00	382.12	367.88
01-33-3542	FIRST AID	500.00	500.00	0.00	0.00	500.00
01-33-3543	SECURITY SUPPLIES	5,000.00	5,000.00	1,271.15	1,783.62	3,216.38
Category: 35 - SUPPLIES Total:		17,700.00	17,700.00	1,498.24	8,399.65	9,300.35
Category: 40 - MAINTENANCE--BLDGS, STRUC						
01-33-4001	MAINTENANCE-BLDG & GROUNDS	4,500.00	4,500.00	0.00	4,989.12	-489.12
01-33-4011	CITY HALL/CIVIC CENTER BUILDING MAINTEN...	11,000.00	11,000.00	0.00	6,743.24	4,256.76
01-33-4021	POLICE DEPARTMENT BUILDING MAINTENAN...	15,000.00	15,000.00	0.00	14,936.85	63.15
01-33-4025	FIRE DEPARTMENT BUILDING MAINTENANCE	10,000.00	10,000.00	0.00	13,364.00	-3,364.00
01-33-4030	PUBLIC WORKS BULDING MAINTENANCE	4,500.00	4,500.00	0.00	7,279.92	-2,779.92
Category: 40 - MAINTENANCE--BLDGS, STRUC Total:		45,000.00	45,000.00	0.00	47,313.13	-2,313.13
Category: 45 - MAINTENANCE						
01-33-4501	FURN.,FIXT.,& OFF. MACH.	2,000.00	2,000.00	0.00	0.00	2,000.00
Category: 45 - MAINTENANCE Total:		2,000.00	2,000.00	0.00	0.00	2,000.00
Category: 50 - SERVICES						
01-33-5017	UTILITIES	103,000.00	103,000.00	7,393.18	75,604.07	27,395.93
01-33-5029	TRAVEL AND TRAINING	1,000.00	1,000.00	0.00	0.00	1,000.00
Category: 50 - SERVICES Total:		104,000.00	104,000.00	7,393.18	75,604.07	28,395.93
Category: 55 - PROFESSIONAL SERVICES						
01-33-5521	PEST CONTROL SERVICES	6,000.00	6,000.00	0.00	1,014.29	4,985.71
01-33-5529	CONTRACTUAL SERVICES	5,000.00	5,000.00	0.00	0.00	5,000.00
01-33-5530	PROFESSIONAL SERVICES	5,000.00	5,000.00	0.00	584.55	4,415.45
Category: 55 - PROFESSIONAL SERVICES Total:		16,000.00	16,000.00	0.00	1,598.84	14,401.16
Category: 65 - CAPITAL OUTLAY						
01-33-6580	BLDG & GROUND IMPROVEMENT	75,000.00	75,000.00	4,932.45	20,396.86	54,603.14
Category: 65 - CAPITAL OUTLAY Total:		75,000.00	75,000.00	4,932.45	20,396.86	54,603.14
Department: 33 - BUILDING MAINTENANCE Total:		373,455.54	373,455.54	16,853.14	250,611.41	122,844.13

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 35 - SOLID WASTE					
Category: 55 - PROFESSIONAL SERVICES					
01-35-5508 SOLID WASTECOLLECTION SERVICES	397,113.16	397,113.16	28,879.03	313,641.16	83,472.00
01-35-5509 STORM CLEAN-UP-DEBRIS REMOVAL	2,900.00	2,900.00	0.00	0.00	2,900.00
01-35-5519 RECYCLING PROGRAM	99,702.00	99,702.00	7,869.54	78,695.40	21,006.60
Category: 55 - PROFESSIONAL SERVICES Total:	499,715.16	499,715.16	36,748.57	392,336.56	107,378.60
Department: 35 - SOLID WASTE Total:	499,715.16	499,715.16	36,748.57	392,336.56	107,378.60

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 36 - FLEET SERVICES						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-36-3001	SALARIES	127,880.06	127,880.06	9,836.57	108,958.64	18,921.42
01-36-3003	LONGEVITY	431.86	431.86	44.30	466.31	-34.45
01-36-3007	OVERTIME	12,000.00	12,000.00	129.09	4,256.81	7,743.19
01-36-3010	INCENTIVES	2,600.08	2,600.08	83.08	943.55	1,656.53
01-36-3051	FICA/MEDICARE TAXES	10,208.67	10,208.67	734.52	8,343.04	1,865.63
01-36-3052	WORKMEN'S COMPENSATION	2,246.00	2,246.00	0.00	2,949.89	-703.89
01-36-3053	UNEMPLOYMENT INSURANCE	416.00	416.00	1.81	542.71	-126.71
01-36-3054	RETIREMENT	20,380.74	20,380.74	1,423.12	16,147.81	4,232.93
01-36-3055	HEALTH INSURANCE	20,447.44	20,447.44	2,055.68	23,521.75	-3,074.31
01-36-3056	LIFE INS	140.92	140.92	23.40	136.39	4.53
01-36-3057	DENTAL	1,491.88	1,491.88	178.48	2,020.65	-528.77
01-36-3058	LONG-TERM DISABILITY	539.36	539.36	48.20	509.52	29.84
01-36-3060	VISION INSURANCE	201.50	201.50	18.24	206.69	-5.19
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		198,984.51	198,984.51	14,576.49	169,003.76	29,980.75
Category: 35 - SUPPLIES						
01-36-3503	OFFICE SUPPLIES	500.00	500.00	0.00	185.05	314.95
01-36-3504	WEARING APPAREL	800.00	800.00	0.00	655.69	144.31
01-36-3510	MANUALS AND PERIODICALS	500.00	500.00	0.00	72.95	427.05
01-36-3514	FUEL AND OIL	135,000.00	135,000.00	16,380.32	164,096.98	-29,096.98
01-36-3523	TOOLS/EQUIPMENT	12,500.00	12,500.00	5,995.00	10,360.33	2,139.67
01-36-3529	VEHICLE REPAIR PARTS	48,000.00	48,000.00	5,914.49	45,529.36	2,470.64
01-36-3535	SHOP SUPPLIES	5,000.00	5,000.00	430.74	4,777.96	222.04
Category: 35 - SUPPLIES Total:		202,300.00	202,300.00	28,720.55	225,678.32	-23,378.32
Category: 45 - MAINTENANCE						
01-36-4520	AUTO REPAIR/OUTSOURCED	55,000.00	55,000.00	2,685.09	88,584.12	-33,584.12
Category: 45 - MAINTENANCE Total:		55,000.00	55,000.00	2,685.09	88,584.12	-33,584.12
Category: 50 - SERVICES						
01-36-5020	COMMUNICATIONS	2,040.02	2,040.02	0.00	1,090.97	949.05
01-36-5022	RENTAL EQUIPMENT	360.00	360.00	0.00	0.00	360.00
01-36-5027	MEMBERSHIP	750.00	750.00	0.00	420.00	330.00
01-36-5029	TRAVEL/TRAINING	8,500.00	8,500.00	0.00	1,503.79	6,996.21
Category: 50 - SERVICES Total:		11,650.02	11,650.02	0.00	3,014.76	8,635.26
Category: 54 - SUNDRY						
01-36-5405	LICENSES/PERMITS	850.00	850.00	7.50	1,056.04	-206.04
Category: 54 - SUNDRY Total:		850.00	850.00	7.50	1,056.04	-206.04
Category: 65 - CAPITAL OUTLAY						
01-36-6572	SPECIAL EQUIPMENT	5,000.00	5,000.00	266.53	3,681.64	1,318.36
01-36-6574	COMPUTER SOFTWARE	8,900.00	8,900.00	0.00	7,977.11	922.89
Category: 65 - CAPITAL OUTLAY Total:		13,900.00	13,900.00	266.53	11,658.75	2,241.25
Category: 97 - INTERFUND ACTIVITY						
01-36-9772	TECHNOLOGY USER FEE	1,000.00	1,000.00	0.00	1,000.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		1,000.00	1,000.00	0.00	1,000.00	0.00
Department: 36 - FLEET SERVICES Total:		483,684.53	483,684.53	46,256.16	499,995.75	-16,311.22

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 38 - RECREATION						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-38-3001	SALARIES	60,700.29	60,700.29	4,000.00	45,473.23	15,227.06
01-38-3002	WAGES	59,000.00	59,000.00	21,414.50	62,632.33	-3,632.33
01-38-3003	LONGEVITY	95.94	95.94	0.00	6.33	89.61
01-38-3007	OVERTIME	0.00	0.00	213.76	1,374.79	-1,374.79
01-38-3051	FICA/MEDICARE TAXES	8,786.78	8,786.78	1,955.86	8,300.39	486.39
01-38-3053	UNEMPLOYMENT INSURANCE	288.00	288.00	25.02	2,274.25	-1,986.25
01-38-3054	RETIREMENT	8,572.27	8,572.27	569.20	7,585.39	986.88
01-38-3055	HEALTH INSURANCE	20,564.18	20,564.18	524.14	7,173.87	13,390.31
01-38-3056	LIFE INS	70.46	70.46	17.55	79.90	-9.44
01-38-3057	DENTAL	1,040.26	1,040.26	33.58	438.36	601.90
01-38-3058	LONG-TERM DISABILITY	254.94	254.94	19.12	212.17	42.77
01-38-3060	VISION INSURANCE	153.40	153.40	7.96	85.82	67.58
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		159,526.52	159,526.52	28,780.69	135,636.83	23,889.69
Category: 35 - SUPPLIES						
01-38-3503	OFFICE SUPPLIES	500.00	500.00	0.00	16.06	483.94
01-38-3504	WEARING APPAREL	1,500.00	1,500.00	0.00	1,442.36	57.64
01-38-3506	CHEMICALS	500.00	500.00	0.00	0.00	500.00
01-38-3517	JANITORIAL SUPPLIES	300.00	300.00	0.00	19.46	280.54
01-38-3523	TOOLS/EQUIPMENT	250.00	250.00	0.00	0.00	250.00
01-38-3526	MINOR EQUIPMENT	250.00	250.00	0.00	0.00	250.00
01-38-3531	RECREATION & EVENTS	2,500.00	2,500.00	0.00	1,914.08	585.92
01-38-3532	RECREATION AWARDS/PRIZES	1,000.00	1,000.00	0.00	1,030.57	-30.57
01-38-3542	FIRST AID	250.00	250.00	0.00	0.00	250.00
01-38-3547	POOL SUPPLIES	4,000.00	4,000.00	25.81	3,526.51	473.49
Category: 35 - SUPPLIES Total:		11,050.00	11,050.00	25.81	7,949.04	3,100.96
Category: 45 - MAINTENANCE						
01-38-4512	EQUIPMENT MAINTENANCE	500.00	500.00	0.00	0.00	500.00
Category: 45 - MAINTENANCE Total:		500.00	500.00	0.00	0.00	500.00
Category: 50 - SERVICES						
01-38-5012	PRINTING	4,000.00	4,000.00	0.00	4,340.00	-340.00
01-38-5020	COMMUNICATIONS	0.00	0.00	36.92	387.66	-387.66
01-38-5022	EQUIPMENT RENTAL	500.00	500.00	0.00	0.00	500.00
01-38-5027	MEMBERSHIPS/SUBSCRIPTIONS	750.00	750.00	0.00	851.47	-101.47
01-38-5029	TRAVEL/TRAINING	1,000.00	1,000.00	0.00	2,208.29	-1,208.29
01-38-5043	GENERAL ADVERTISING	1,800.00	1,800.00	0.00	1,263.96	536.04
01-38-5046	SPRING EVENT	2,000.00	2,000.00	0.00	19,690.46	-17,690.46
01-38-5047	EGG HUNTS	2,000.00	2,000.00	0.00	1,075.28	924.72
01-38-5048	FOURTH OF JULY	3,200.00	3,200.00	0.00	10,444.14	-7,244.14
01-38-5049	FALL FROLIC	2,500.00	2,500.00	0.00	2,763.14	-263.14
01-38-5050	HOLIDAY IN THE VILLAGE	5,500.00	5,500.00	0.00	5,494.94	5.06
01-38-5051	FOOD TRUCK RALLY	3,000.00	3,000.00	0.00	2,747.03	252.97
01-38-5052	CONCERT SERIES	4,000.00	4,000.00	0.00	3,927.54	72.46
01-38-5053	MOVIE SERIES	1,800.00	1,800.00	0.00	1,708.39	91.61
01-38-5054	POOL EVENTS	1,000.00	1,000.00	0.00	0.00	1,000.00
01-38-5055	RECREATIONAL ACTIVITIES	4,000.00	4,000.00	0.00	1,851.56	2,148.44
Category: 50 - SERVICES Total:		37,050.00	37,050.00	36.92	58,753.86	-21,703.86
Category: 55 - PROFESSIONAL SERVICES						
01-38-5530	PROFESSIONAL SERVICES	11,500.00	11,500.00	0.00	16,440.00	-4,940.00
Category: 55 - PROFESSIONAL SERVICES Total:		11,500.00	11,500.00	0.00	16,440.00	-4,940.00
Category: 97 - INTERFUND ACTIVITY						
01-38-9772	TECHNOLOGY USER FEE	375.00	375.00	0.00	375.00	0.00
Category: 97 - INTERFUND ACTIVITY Total:		375.00	375.00	0.00	375.00	0.00
Department: 38 - RECREATION Total:		220,001.52	220,001.52	28,843.42	219,154.73	846.79

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 39 - PARKS						
Category: 30 - SALARIES, WAGES, & BENEFITS						
01-39-3001	SALARIES	442,309.29	407,309.29	24,107.66	342,923.80	64,385.49
01-39-3003	LONGEVITY	3,071.90	3,071.90	269.57	2,929.24	142.66
01-39-3007	OVERTIME	2,000.00	2,000.00	58.27	584.24	1,415.76
01-39-3010	INCENTIVES	600.08	600.08	184.62	870.40	-270.32
01-39-3051	FICA/MEDICARE TAXES	32,599.19	32,599.19	1,753.34	25,051.67	7,547.52
01-39-3052	WORKMEN'S COMPENSATION	8,326.00	8,326.00	0.00	7,187.08	1,138.92
01-39-3053	UNEMPLOYMENT INSURANCE	1,184.00	1,184.00	3.15	2,780.77	-1,596.77
01-39-3054	RETIREMENT	63,165.36	63,165.36	3,471.43	48,806.62	14,358.74
01-39-3055	HEALTH INSURANCE	104,075.14	104,075.14	7,837.51	94,676.57	9,398.57
01-39-3056	LIFE INS	563.68	563.68	70.20	463.70	99.98
01-39-3057	DENTAL	6,104.54	6,104.54	517.12	6,150.72	-46.18
01-39-3058	LONG-TERM DISABILITY	1,586.58	1,586.58	118.78	1,594.56	-7.98
01-39-3060	VISION INSURANCE	1,005.94	1,005.94	38.62	504.50	501.44
Category: 30 - SALARIES, WAGES, & BENEFITS Total:		666,591.70	631,591.70	38,430.27	534,523.87	97,067.83
Category: 35 - SUPPLIES						
01-39-3503	OFFICE SUPPLIES	250.00	250.00	0.00	1,027.64	-777.64
01-39-3504	WEARING APPAREL	3,000.00	3,000.00	0.00	2,884.37	115.63
01-39-3506	CHEMICALS	6,500.00	6,500.00	0.00	7,244.02	-744.02
01-39-3517	JANITORIAL SUPPLIES	1,000.00	1,000.00	0.00	1,149.56	-149.56
01-39-3523	TOOLS/EQUIPMENT	1,500.00	1,500.00	0.00	1,765.25	-265.25
01-39-3526	MINOR EQUIPMENT	3,000.00	3,000.00	0.00	2,329.80	670.20
01-39-3534	EQUIP REPAIR PARTS	5,000.00	5,000.00	7.48	2,882.41	2,117.59
01-39-3536	LANDSCAPING MATERIALS	9,500.00	9,500.00	76.77	6,946.40	2,553.60
01-39-3542	FIRST AID	500.00	500.00	0.00	69.97	430.03
01-39-3544	IRRIGATION SUPPLIES	2,000.00	2,000.00	117.86	2,740.89	-740.89
01-39-3545	POOL JANITORIAL SUPPLIES	750.00	750.00	0.00	871.53	-121.53
01-39-3546	SPLASH PAD CHEMICALS	2,000.00	2,000.00	0.00	0.00	2,000.00
01-39-3547	POOL CHEMICALS	13,000.00	13,000.00	0.00	9,267.30	3,732.70
Category: 35 - SUPPLIES Total:		48,000.00	48,000.00	202.11	39,179.14	8,820.86
Category: 40 - MAINTENANCE--BLDGS, STRUC						
01-39-4007	POOL MAINTENANCE	3,000.00	3,000.00	0.00	10,755.14	-7,755.14
01-39-4008	PARK MAINTENANCE	0.00	0.00	0.00	1,218.52	-1,218.52
01-39-4031	SPLASH PAD MAINTENANCE	1,500.00	1,500.00	0.00	210.86	1,289.14
01-39-4032	CAROL FOX PARK	5,000.00	5,000.00	0.00	1,324.76	3,675.24
01-39-4033	CLARK HENRY PARK	5,000.00	5,000.00	0.00	5,435.03	-435.03
01-39-4034	PHILLIPINE PARK	1,500.00	1,500.00	0.00	0.00	1,500.00
01-39-4035	DOG PARK	2,500.00	2,500.00	0.00	954.96	1,545.04
01-39-4036	OPEN GREEN SPACE/POCKET PARKS	1,000.00	1,000.00	0.00	195.20	804.80
01-39-4037	HIKE AND BIKE TRAILS	1,000.00	1,000.00	0.00	0.00	1,000.00
01-39-4038	TREE MAINTENANCE AND TREE CITY USA	1,500.00	1,500.00	0.00	248.89	1,251.11
Category: 40 - MAINTENANCE--BLDGS, STRUC Total:		22,000.00	22,000.00	0.00	20,343.36	1,656.64
Category: 45 - MAINTENANCE						
01-39-4511	VEHICLE MAINTENANCE	1,000.00	1,000.00	0.00	27.96	972.04
01-39-4512	EQUIPMENT MAINTENANCE	2,500.00	2,500.00	0.00	46.37	2,453.63
Category: 45 - MAINTENANCE Total:		3,500.00	3,500.00	0.00	74.33	3,425.67
Category: 50 - SERVICES						
01-39-5012	PRINTING	1,000.00	1,000.00	0.00	79.68	920.32
01-39-5020	COMMUNICATIONS	1,800.00	1,800.00	67.14	798.66	1,001.34
01-39-5022	EQUIPMENT RENTAL	1,000.00	1,000.00	0.00	725.31	274.69
01-39-5027	MEMBERSHIPS/SUBSCRIPTIONS	500.00	500.00	0.00	722.30	-222.30
01-39-5029	TRAVEL/TRAINING	3,000.00	3,000.00	0.00	2,400.97	599.03
Category: 50 - SERVICES Total:		7,300.00	7,300.00	67.14	4,726.92	2,573.08
Category: 55 - PROFESSIONAL SERVICES						
01-39-5529	CONTRACTUAL SERVICES	1,000.00	1,000.00	0.00	500.00	500.00

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
01-39-5530	PROFESSIONAL SERVICES	1,000.00	1,000.00	0.00	1,640.08	-640.08
	Category: 55 - PROFESSIONAL SERVICES Total:	2,000.00	2,000.00	0.00	2,140.08	-140.08
	Category: 65 - CAPITAL OUTLAY					
01-39-6516	PARKS & LANDSCAPING PROJS	30,000.00	30,000.00	1,832.80	15,768.75	14,231.25
01-39-6598	MISCELLANEOUS EQUIPMENT	10,000.00	10,000.00	0.00	9,952.82	47.18
	Category: 65 - CAPITAL OUTLAY Total:	40,000.00	40,000.00	1,832.80	25,721.57	14,278.43
	Category: 97 - INTERFUND ACTIVITY					
01-39-9772	TECHNOLOGY USER FEE	1,000.00	1,000.00	0.00	1,000.00	0.00
01-39-9791	EQUIPMENT USER FEE	11,800.00	11,800.00	0.00	11,800.00	0.00
	Category: 97 - INTERFUND ACTIVITY Total:	12,800.00	12,800.00	0.00	12,800.00	0.00
	Department: 39 - PARKS Total:	802,191.70	767,191.70	40,532.32	639,509.27	127,682.43
	Fund: 01 - GENERAL FUND Surplus (Deficit):	516.10	-544,626.81	-918,588.07	1,875,832.42	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 03 - DEBT SERVICE FUND						
Department: 50 - 50						
Category: 72 - PROPERTY TAXES						
03-50-7201	CURRENT PROPERTY TAXES	1,454,925.74	1,454,925.74	0.00	1,422,510.06	32,415.68
03-50-7202	DELINQUENT PROPERTY TAX	30,000.00	30,000.00	3,052.10	-20,472.26	50,472.26
03-50-7203	PENALTY, INTEREST, COSTS	15,000.00	15,000.00	1,492.96	5,575.46	9,424.54
	Category: 72 - PROPERTY TAXES Total:	1,499,925.74	1,499,925.74	4,545.06	1,407,613.26	92,312.48
Category: 96 - INTEREST EARNED						
03-50-9601	INTEREST EARNED	5,000.00	5,000.00	580.78	1,593.28	3,406.72
	Category: 96 - INTEREST EARNED Total:	5,000.00	5,000.00	580.78	1,593.28	3,406.72
Category: 97 - INTERFUND ACTIVITY						
03-50-9752	TRANSFER FROM UTILITY FUND	87,815.00	87,815.00	0.00	87,815.00	0.00
	Category: 97 - INTERFUND ACTIVITY Total:	87,815.00	87,815.00	0.00	87,815.00	0.00
	Department: 50 - 50 Total:	1,592,740.74	1,592,740.74	5,125.84	1,497,021.54	95,719.20

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 51 - DEBT SERVICE						
Category: 61 - DEBT SERVICE						
03-51-6121	PRINCIPAL/DEBT SERVICE	1,290,000.00	1,290,000.00	0.00	1,290,000.00	0.00
03-51-6122	INTEREST/DEBT SERVICE	236,850.00	236,850.00	0.00	128,100.00	108,750.00
03-51-6123	MAINTENANCE FEE/DEBT SERVICE	9,000.00	9,000.00	0.00	1,250.00	7,750.00
	Category: 61 - DEBT SERVICE Total:	1,535,850.00	1,535,850.00	0.00	1,419,350.00	116,500.00
	Department: 51 - DEBT SERVICE Total:	1,535,850.00	1,535,850.00	0.00	1,419,350.00	116,500.00
	Fund: 03 - DEBT SERVICE FUND Surplus (Deficit):	56,890.74	56,890.74	5,125.84	77,671.54	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 05 - MOTEL TAX FUND					
Department: 55 - 55					
Category: 75 - OTHER TAXES					
05-55-7635 MOTEL OCCUPANCY TAX	70,000.00	70,000.00	6,198.24	149,761.62	-79,761.62
Category: 75 - OTHER TAXES Total:	70,000.00	70,000.00	6,198.24	149,761.62	-79,761.62
Category: 96 - INTEREST EARNED					
05-55-9601 INTEREST EARNED	500.00	500.00	558.62	1,540.79	-1,040.79
Category: 96 - INTEREST EARNED Total:	500.00	500.00	558.62	1,540.79	-1,040.79
Department: 55 - 55 Total:	70,500.00	70,500.00	6,756.86	151,302.41	-80,802.41

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 56 - MOTEL TAX						
Category: 50 - SERVICES						
05-56-5043	GENERAL ADVERTISING	7,000.00	7,000.00	0.00	5,000.00	2,000.00
05-56-5044	ADVERTISING	34,900.00	34,900.00	0.00	5,060.00	29,840.00
	Category: 50 - SERVICES Total:	41,900.00	41,900.00	0.00	10,060.00	31,840.00
Category: 97 - INTERFUND ACTIVITY						
05-56-9751	TRANSFER TO GENERAL FUND	19,570.00	19,570.00	0.00	19,570.00	0.00
	Category: 97 - INTERFUND ACTIVITY Total:	19,570.00	19,570.00	0.00	19,570.00	0.00
	Department: 56 - MOTEL TAX Total:	61,470.00	61,470.00	0.00	29,630.00	31,840.00
	Fund: 05 - MOTEL TAX FUND Surplus (Deficit):	9,030.00	9,030.00	6,756.86	121,672.41	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining	
Fund: 10 - CAPITAL IMPROVEMENTS FUND						
Department: 90 - 90						
Category: 96 - INTEREST EARNED						
10-90-9601	INTEREST EARNED	5,000.00	5,000.00	5,947.55	17,959.81	-12,959.81
	Category: 96 - INTEREST EARNED Total:	5,000.00	5,000.00	5,947.55	17,959.81	-12,959.81
Category: 98 - MISCELLANEOUS REVENUE						
10-90-9891	BOND PROCEEDS	20,000,000.00	20,000,000.00	0.00	0.00	20,000,000.00
	Category: 98 - MISCELLANEOUS REVENUE Total:	20,000,000.00	20,000,000.00	0.00	0.00	20,000,000.00
Category: 99 - OTHER AGENCY REVENUES						
10-90-9904	GRANT	0.00	0.00	0.00	1,500,000.00	-1,500,000.00
10-90-9906	FY 18 - FEMA GRANT HOME ELEV	0.00	0.00	0.00	796,863.67	-796,863.67
10-90-9910	AMERICAN RESCUE PLAN	502,515.00	502,515.00	0.00	504,447.45	-1,932.45
	Category: 99 - OTHER AGENCY REVENUES Total:	502,515.00	502,515.00	0.00	2,801,311.12	-2,298,796.12
	Department: 90 - 90 Total:	20,507,515.00	20,507,515.00	5,947.55	2,819,270.93	17,688,244.07

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

		Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 91 - 91						
Category: 70 - CAPITAL IMPROVEMENTS						
10-91-7012	E 127 IMPROVEMENTS	200,000.00	200,000.00	39,336.56	601,521.56	-401,521.56
10-91-7013	WALL STREET NEIGHBORHOOD DRAINAGE	0.00	0.00	0.00	27,775.00	-27,775.00
10-91-7014	FY 17 -HOME ELEV GRANT ADM SER	0.00	0.00	0.00	63,751.70	-63,751.70
10-91-7016	ELEVATIONS FY 20 GRANT	0.00	0.00	0.00	1,155.00	-1,155.00
10-91-7017	ELEVATION FY 21	600,000.00	600,000.00	0.00	0.00	600,000.00
10-91-7037	FIRE STATION GENERATOR	0.00	0.00	0.00	0.00	0.00
10-91-7038	POLICE GENERATOR	0.00	0.00	0.00	0.00	0.00
10-91-7039	EXHAUST SYSTEM FOR APPARATUS BAYS	100,000.00	100,000.00	0.00	93,500.00	6,500.00
10-91-7092	POLICE BUILDING REMODEL	0.00	0.00	0.00	0.00	0.00
10-91-7096	ROOF REPAIRS AT CIVIC CENTER	15,000.00	15,000.00	0.00	15,000.00	0.00
10-91-7103	NEW CITY HALL - CONSTRUCTION	10,500,000.00	10,500,000.00	0.00	0.00	10,500,000.00
10-91-7105	PARK IMPROVEMENTS	50,000.00	50,000.00	5,404.39	10,894.96	39,105.04
10-91-7117	GOLF COURSE IRRIGATION PROJECT	0.00	0.00	500.00	5,500.00	-5,500.00
10-91-7130	FACILITIES IMPROVEMENT	50,000.00	50,000.00	0.00	22,326.41	27,673.59
10-91-7131	GOLF COURSE CONVENTION CENTER	7,500,000.00	7,500,000.00	0.00	50,733.21	7,449,266.79
10-91-7134	STREET PANELS REPLACEMENT (2)	105,000.00	105,000.00	38,762.00	79,640.00	25,360.00
10-91-7136	GATEWAY ENTRANCE	0.00	0.00	47,525.08	466,756.69	-466,756.69
10-91-7137	SIDEWALK REPL & ADD	200,000.00	200,000.00	174,655.01	230,728.61	-30,728.61
10-91-7138	SEATTLE ST (SENATE W TO DEAD END)	1,500,000.00	1,500,000.00	12,368.64	129,421.44	1,370,578.56
10-91-7139	FY 23 STREET PROJECT	100,000.00	100,000.00	-5,546.20	13,459.32	86,540.68
10-91-7141	POOL HOUSE RESTROOMS FIXT	15,000.00	15,000.00	0.00	17,056.75	-2,056.75
10-91-7142	PMP DOG PARK IMP	35,000.00	35,000.00	0.00	0.00	35,000.00
10-91-7143	PMP JERSEY MEADOW NATURE TRAIL & FOU...	50,000.00	50,000.00	0.00	0.00	50,000.00
10-91-7144	ROCK WALL POOL AMMENITY	50,000.00	50,000.00	0.00	48,200.00	1,800.00
10-91-7145	PMP CAROL FOX RESTROOM	100,000.00	100,000.00	121,276.88	162,576.88	-62,576.88
10-91-7146	LED LIGHTING AT POLICE DEPT BLDG	20,000.00	20,000.00	0.00	40,751.00	-20,751.00
10-91-7147	PROP ROOM REMODEL WATER LINE WASHER...	53,000.00	53,000.00	0.00	55,931.89	-2,931.89
10-91-7148	DECORATIVE STREET LIGHTS	250,000.00	250,000.00	0.00	289,465.00	-39,465.00
10-91-7149	NEW TEE SIGNS & MARKERS	31,500.00	31,500.00	0.00	29,920.42	1,579.58
10-91-7150	DRIVING RANGE NETS	60,000.00	60,000.00	0.00	59,350.00	650.00
10-91-7151	GOLF COURSE RIO GRANDE FENCE	92,000.00	92,000.00	0.00	53,000.00	39,000.00
Category: 70 - CAPITAL IMPROVEMENTS Total:		21,676,500.00	21,676,500.00	434,282.36	2,568,415.84	19,108,084.16
Department: 91 - 91 Total:		21,676,500.00	21,676,500.00	434,282.36	2,568,415.84	19,108,084.16
Fund: 10 - CAPITAL IMPROVEMENTS FUND Surplus (Deficit):		-1,168,985.00	-1,168,985.00	-428,334.81	250,855.09	
Total Surplus (Deficit):		-1,102,548.16	-1,647,691.07	-1,335,040.18	2,326,031.46	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Group Summary

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 01 - GENERAL FUND					
Department: 10 - REVENUES					
72 - PROPERTY TAXES	6,811,278.00	6,811,278.00	18,550.70	6,547,472.70	263,805.30
75 - OTHER TAXES	4,887,850.00	4,887,850.00	580,957.96	5,329,902.57	-442,052.57
80 - FINES WARRANTS & BONDS	918,000.00	918,000.00	64,760.13	558,400.25	359,599.75
85 - FEE & CHARGES FOR SERVICE	379,750.00	379,750.00	37,207.88	395,015.34	-15,265.34
90 - LICENSES & PERMITS	151,700.00	151,700.00	18,497.02	252,275.68	-100,575.68
96 - INTEREST EARNED	10,000.00	10,000.00	31,736.52	88,037.99	-78,037.99
97 - INTERFUND ACTIVITY	3,797,033.41	3,827,329.41	0.00	2,511,854.41	1,315,475.00
98 - MISCELLANEOUS REVENUE	60,000.00	60,000.00	32,321.46	99,923.60	-39,923.60
99 - OTHER AGENCY REVENUES	30,000.00	30,000.00	11,282.03	13,804.26	16,195.74
Department: 10 - REVENUES Total:	17,045,611.41	17,075,907.41	795,313.70	15,796,686.80	1,279,220.61

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 11 - ADMINISTRATIVE SERVICE					
30 - SALARIES, WAGES, & BENEFITS	593,548.89	697,548.89	66,215.76	557,442.38	140,106.51
35 - SUPPLIES	14,350.00	14,350.00	0.00	12,393.30	1,956.70
45 - MAINTENANCE	2,000.00	2,000.00	0.00	1,861.08	138.92
50 - SERVICES	75,251.00	75,251.00	1,648.45	55,232.91	20,018.09
54 - SUNDRY	21,000.00	21,000.00	0.00	8,724.70	12,275.30
60 - OTHER SERVICES	300.00	300.00	0.00	106.62	193.38
97 - INTERFUND ACTIVITY	4,250.00	4,250.00	0.00	4,250.00	0.00
Department: 11 - ADMINISTRATIVE SERVICE Total:	710,699.89	814,699.89	67,864.21	640,010.99	174,688.90

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 12 - LEGAL/OTHER SERVICES					
30 - SALARIES, WAGES, & BENEFITS	250.00	250.00	0.00	173.24	76.76
50 - SERVICES	2,089,000.00	2,014,000.00	633,561.57	1,538,571.05	475,428.95
55 - PROFESSIONAL SERVICES	135,000.00	210,000.00	3,745.39	116,584.69	93,415.31
60 - OTHER SERVICES	125,990.00	125,990.00	0.00	140,052.77	-14,062.77
97 - INTERFUND ACTIVITY	1,237,473.86	1,712,473.86	0.00	1,000,375.00	712,098.86
Department: 12 - LEGAL/OTHER SERVICES Total:	3,587,713.86	4,062,713.86	637,306.96	2,795,756.75	1,266,957.11

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 13 - INFO TECHNOLOGY					
30 - SALARIES, WAGES, & BENEFITS	347,266.52	347,266.52	25,821.84	365,481.83	-18,215.31
35 - SUPPLIES	3,050.00	3,050.00	0.00	4,241.81	-1,191.81
45 - MAINTENANCE	271,135.00	286,675.00	13,116.65	238,403.47	48,271.53
50 - SERVICES	37,070.00	37,070.00	2,715.74	30,760.21	6,309.79
55 - PROFESSIONAL SERVICES	105,000.00	105,000.00	7,225.90	41,806.26	63,193.74
65 - CAPITAL OUTLAY	4,000.00	46,890.00	7,239.00	13,245.08	33,644.92
97 - INTERFUND ACTIVITY	73,270.00	73,270.00	0.00	73,270.00	0.00
Department: 13 - INFO TECHNOLOGY Total:	840,791.52	899,221.52	56,119.13	767,208.66	132,012.86

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 14 - PURCHASING					
35 - SUPPLIES	20,000.00	20,000.00	882.22	20,335.67	-335.67
50 - SERVICES	3,675.00	3,675.00	0.00	2,004.75	1,670.25
Department: 14 - PURCHASING Total:	23,675.00	23,675.00	882.22	22,340.42	1,334.58

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 15 - ACCOUNTING SERVICES					
30 - SALARIES, WAGES, & BENEFITS	388,463.80	388,463.80	28,941.72	331,581.88	56,881.92
35 - SUPPLIES	950.00	950.00	0.00	700.00	250.00
45 - MAINTENANCE	150.00	150.00	12.70	150.00	0.00
50 - SERVICES	7,100.00	7,100.00	67.14	3,815.78	3,284.22
54 - SUNDRY	550.00	550.00	0.00	970.00	-420.00
55 - PROFESSIONAL SERVICES	37,000.00	37,000.00	2,001.38	49,462.39	-12,462.39
97 - INTERFUND ACTIVITY	1,575.00	1,575.00	0.00	1,575.00	0.00
Department: 15 - ACCOUNTING SERVICES Total:	435,788.80	435,788.80	31,022.94	388,255.05	47,533.75

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 16 - CUSTOMER SERVICE					
30 - SALARIES, WAGES, & BENEFITS	65,491.88	65,491.88	5,006.48	56,792.80	8,699.08
35 - SUPPLIES	500.00	500.00	0.00	526.96	-26.96
45 - MAINTENANCE	400.00	400.00	210.14	340.12	59.88
50 - SERVICES	3,000.00	3,000.00	67.14	798.62	2,201.38
55 - PROFESSIONAL SERVICES	68,000.00	68,000.00	0.00	34,795.98	33,204.02
97 - INTERFUND ACTIVITY	375.00	375.00	0.00	375.00	0.00
Department: 16 - CUSTOMER SERVICE Total:	137,766.88	137,766.88	5,283.76	93,629.48	44,137.40

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 19 - MUNICIPAL COURT					
30 - SALARIES, WAGES, & BENEFITS	247,931.84	247,931.84	20,729.52	214,773.34	33,158.50
35 - SUPPLIES	2,300.00	2,300.00	0.00	1,079.76	1,220.24
45 - MAINTENANCE	500.00	500.00	210.14	450.10	49.90
50 - SERVICES	7,800.00	7,800.00	118.64	2,348.54	5,451.46
54 - SUNDRY	800.00	800.00	0.00	113.17	686.83
55 - PROFESSIONAL SERVICES	93,450.00	93,450.00	4,375.00	39,510.58	53,939.42
Department: 19 - MUNICIPAL COURT Total:	352,781.84	352,781.84	25,433.30	258,275.49	94,506.35

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 21 - POLICE					
30 - SALARIES, WAGES, & BENEFITS	3,803,680.05	3,803,680.05	288,752.36	3,168,771.48	634,908.57
35 - SUPPLIES	87,324.00	87,324.00	8,105.81	54,288.83	33,035.17
45 - MAINTENANCE	23,497.00	23,497.00	248.99	8,211.33	15,285.67
50 - SERVICES	162,899.90	194,643.59	130,982.70	188,164.25	6,479.34
54 - SUNDRY	3,000.00	3,000.00	0.00	399.25	2,600.75
55 - PROFESSIONAL SERVICES	1,800.00	1,800.00	0.00	1,541.00	259.00
60 - OTHER SERVICES	21,740.00	21,740.00	0.00	22,878.10	-1,138.10
65 - CAPITAL OUTLAY	5,000.00	5,000.00	0.00	1,294.56	3,705.44
97 - INTERFUND ACTIVITY	19,775.00	19,775.00	0.00	19,775.00	0.00
Department: 21 - POLICE Total:	4,128,715.95	4,160,459.64	428,089.86	3,465,323.80	695,135.84

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 23 - COMMUNICATIONS					
30 - SALARIES, WAGES, & BENEFITS	811,766.77	819,506.77	64,698.20	691,037.56	128,469.21
35 - SUPPLIES	13,365.00	13,365.00	0.00	10,945.85	2,419.15
45 - MAINTENANCE	22,050.00	22,050.00	0.00	7,474.44	14,575.56
50 - SERVICES	12,300.00	12,300.00	156.14	5,203.55	7,096.45
60 - OTHER SERVICES	600.00	600.00	0.00	191.80	408.20
97 - INTERFUND ACTIVITY	58,575.00	58,575.00	0.00	58,575.00	0.00
Department: 23 - COMMUNICATIONS Total:	918,656.77	926,396.77	64,854.34	773,428.20	152,968.57

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 25 - FIRE DEPARTMENT					
30 - SALARIES, WAGES, & BENEFITS	1,745,400.02	1,745,400.02	124,166.00	1,478,305.85	267,094.17
35 - SUPPLIES	169,348.00	169,348.00	388.63	102,842.48	66,505.52
45 - MAINTENANCE	47,949.00	47,949.00	3,351.26	37,189.30	10,759.70
50 - SERVICES	44,865.00	47,390.22	6,140.89	36,152.54	11,237.68
54 - SUNDRY	1,299.00	1,299.00	0.00	0.00	1,299.00
55 - PROFESSIONAL SERVICES	54,600.00	54,600.00	3,157.08	29,083.41	25,516.59
Department: 25 - FIRE DEPARTMENT Total:	2,063,461.02	2,065,986.24	137,203.86	1,683,573.58	382,412.66

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 30 - PUBLIC WORKS					
30 - SALARIES, WAGES, & BENEFITS	235,883.01	166,883.01	7,598.04	140,298.79	26,584.22
35 - SUPPLIES	4,700.00	4,700.00	96.14	3,184.11	1,515.89
45 - MAINTENANCE	10,000.00	10,000.00	0.00	0.00	10,000.00
50 - SERVICES	6,650.00	6,650.00	191.74	1,107.54	5,542.46
55 - PROFESSIONAL SERVICES	20,000.00	20,000.00	1,500.00	20,940.50	-940.50
97 - INTERFUND ACTIVITY	1,750.00	1,750.00	0.00	1,750.00	0.00
Department: 30 - PUBLIC WORKS Total:	278,983.01	209,983.01	9,385.92	167,280.94	42,702.07

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 31 - COMMUNITY DEVELOPMENT					
30 - SALARIES, WAGES, & BENEFITS	398,623.79	293,623.79	13,468.12	205,974.11	87,649.68
35 - SUPPLIES	8,400.00	8,400.00	650.00	4,284.30	4,115.70
50 - SERVICES	13,600.00	13,600.00	67.14	1,615.22	11,984.78
54 - SUNDRY	0.00	0.00	0.00	66.85	-66.85
55 - PROFESSIONAL SERVICES	75,000.00	180,000.00	287.50	132,813.39	47,186.61
65 - CAPITAL OUTLAY	600.00	600.00	0.00	0.00	600.00
97 - INTERFUND ACTIVITY	4,875.00	4,875.00	0.00	4,875.00	0.00
Department: 31 - COMMUNITY DEVELOPMENT Total:	501,098.79	501,098.79	14,472.76	349,628.87	151,469.92

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 32 - STREETS					
30 - SALARIES, WAGES, & BENEFITS	269,013.53	269,013.53	19,695.77	226,049.85	42,963.68
35 - SUPPLIES	94,600.00	94,600.00	9,703.11	47,533.60	47,066.40
40 - MAINTENANCE--BLDGS, STRUC	65,000.00	65,000.00	24,287.90	55,531.88	9,468.12
45 - MAINTENANCE	1,800.00	1,800.00	0.00	0.00	1,800.00
50 - SERVICES	204,000.00	204,000.00	11,541.36	141,133.37	62,866.63
55 - PROFESSIONAL SERVICES	21,000.00	21,000.00	1,520.76	13,785.73	7,214.27
97 - INTERFUND ACTIVITY	30,500.00	30,500.00	0.00	30,500.00	0.00
Department: 32 - STREETS Total:	685,913.53	685,913.53	66,748.90	514,534.43	171,379.10

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 33 - BUILDING MAINTENANCE					
30 - SALARIES, WAGES, & BENEFITS	113,755.54	113,755.54	3,029.27	97,298.86	16,456.68
35 - SUPPLIES	17,700.00	17,700.00	1,498.24	8,399.65	9,300.35
40 - MAINTENANCE--BLDGS, STRUC	45,000.00	45,000.00	0.00	47,313.13	-2,313.13
45 - MAINTENANCE	2,000.00	2,000.00	0.00	0.00	2,000.00
50 - SERVICES	104,000.00	104,000.00	7,393.18	75,604.07	28,395.93
55 - PROFESSIONAL SERVICES	16,000.00	16,000.00	0.00	1,598.84	14,401.16
65 - CAPITAL OUTLAY	75,000.00	75,000.00	4,932.45	20,396.86	54,603.14
Department: 33 - BUILDING MAINTENANCE Total:	373,455.54	373,455.54	16,853.14	250,611.41	122,844.13

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 35 - SOLID WASTE					
55 - PROFESSIONAL SERVICES	499,715.16	499,715.16	36,748.57	392,336.56	107,378.60
Department: 35 - SOLID WASTE Total:	499,715.16	499,715.16	36,748.57	392,336.56	107,378.60

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 36 - FLEET SERVICES					
30 - SALARIES, WAGES, & BENEFITS	198,984.51	198,984.51	14,576.49	169,003.76	29,980.75
35 - SUPPLIES	202,300.00	202,300.00	28,720.55	225,678.32	-23,378.32
45 - MAINTENANCE	55,000.00	55,000.00	2,685.09	88,584.12	-33,584.12
50 - SERVICES	11,650.02	11,650.02	0.00	3,014.76	8,635.26
54 - SUNDRY	850.00	850.00	7.50	1,056.04	-206.04
65 - CAPITAL OUTLAY	13,900.00	13,900.00	266.53	11,658.75	2,241.25
97 - INTERFUND ACTIVITY	1,000.00	1,000.00	0.00	1,000.00	0.00
Department: 36 - FLEET SERVICES Total:	483,684.53	483,684.53	46,256.16	499,995.75	-16,311.22

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 38 - RECREATION					
30 - SALARIES, WAGES, & BENEFITS	159,526.52	159,526.52	28,780.69	135,636.83	23,889.69
35 - SUPPLIES	11,050.00	11,050.00	25.81	7,949.04	3,100.96
45 - MAINTENANCE	500.00	500.00	0.00	0.00	500.00
50 - SERVICES	37,050.00	37,050.00	36.92	58,753.86	-21,703.86
55 - PROFESSIONAL SERVICES	11,500.00	11,500.00	0.00	16,440.00	-4,940.00
97 - INTERFUND ACTIVITY	375.00	375.00	0.00	375.00	0.00
Department: 38 - RECREATION Total:	220,001.52	220,001.52	28,843.42	219,154.73	846.79

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 39 - PARKS					
30 - SALARIES, WAGES, & BENEFITS	666,591.70	631,591.70	38,430.27	534,523.87	97,067.83
35 - SUPPLIES	48,000.00	48,000.00	202.11	39,179.14	8,820.86
40 - MAINTENANCE--BLDGS, STRUC	22,000.00	22,000.00	0.00	20,343.36	1,656.64
45 - MAINTENANCE	3,500.00	3,500.00	0.00	74.33	3,425.67
50 - SERVICES	7,300.00	7,300.00	67.14	4,726.92	2,573.08
55 - PROFESSIONAL SERVICES	2,000.00	2,000.00	0.00	2,140.08	-140.08
65 - CAPITAL OUTLAY	40,000.00	40,000.00	1,832.80	25,721.57	14,278.43
97 - INTERFUND ACTIVITY	12,800.00	12,800.00	0.00	12,800.00	0.00
Department: 39 - PARKS Total:	802,191.70	767,191.70	40,532.32	639,509.27	127,682.43
Fund: 01 - GENERAL FUND Surplus (Deficit):	516.10	-544,626.81	-918,588.07	1,875,832.42	-2,420,459.23
Fund: 03 - DEBT SERVICE FUND					
Department: 50 - 50					
72 - PROPERTY TAXES	1,499,925.74	1,499,925.74	4,545.06	1,407,613.26	92,312.48
96 - INTEREST EARNED	5,000.00	5,000.00	580.78	1,593.28	3,406.72
97 - INTERFUND ACTIVITY	87,815.00	87,815.00	0.00	87,815.00	0.00
Department: 50 - 50 Total:	1,592,740.74	1,592,740.74	5,125.84	1,497,021.54	95,719.20

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 51 - DEBT SERVICE					
61 - DEBT SERVICE	1,535,850.00	1,535,850.00	0.00	1,419,350.00	116,500.00
Department: 51 - DEBT SERVICE Total:	1,535,850.00	1,535,850.00	0.00	1,419,350.00	116,500.00
Fund: 03 - DEBT SERVICE FUND Surplus (Deficit):	56,890.74	56,890.74	5,125.84	77,671.54	-20,780.80
Fund: 05 - MOTEL TAX FUND					
Department: 55 - 55					
75 - OTHER TAXES	70,000.00	70,000.00	6,198.24	149,761.62	-79,761.62
96 - INTEREST EARNED	500.00	500.00	558.62	1,540.79	-1,040.79
Department: 55 - 55 Total:	70,500.00	70,500.00	6,756.86	151,302.41	-80,802.41

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 56 - MOTEL TAX					
50 - SERVICES	41,900.00	41,900.00	0.00	10,060.00	31,840.00
97 - INTERFUND ACTIVITY	19,570.00	19,570.00	0.00	19,570.00	0.00
Department: 56 - MOTEL TAX Total:	61,470.00	61,470.00	0.00	29,630.00	31,840.00
Fund: 05 - MOTEL TAX FUND Surplus (Deficit):	9,030.00	9,030.00	6,756.86	121,672.41	-112,642.41
Fund: 10 - CAPITAL IMPROVEMENTS FUND					
Department: 90 - 90					
96 - INTEREST EARNED	5,000.00	5,000.00	5,947.55	17,959.81	-12,959.81
98 - MISCELLANEOUS REVENUE	20,000,000.00	20,000,000.00	0.00	0.00	20,000,000.00
99 - OTHER AGENCY REVENUES	502,515.00	502,515.00	0.00	2,801,311.12	-2,298,796.12
Department: 90 - 90 Total:	20,507,515.00	20,507,515.00	5,947.55	2,819,270.93	17,688,244.07

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Income Statement

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Department: 91 - 91					
70 - CAPITAL IMPROVEMENTS	21,676,500.00	21,676,500.00	434,282.36	2,568,415.84	19,108,084.16
Department: 91 - 91 Total:	21,676,500.00	21,676,500.00	434,282.36	2,568,415.84	19,108,084.16
Fund: 10 - CAPITAL IMPROVEMENTS FUND Surplus (Deficit):	-1,168,985.00	-1,168,985.00	-428,334.81	250,855.09	-1,419,840.09
Total Surplus (Deficit):	-1,102,548.16	-1,647,691.07	-1,335,040.18	2,326,031.46	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Fund Summary

Fund	Original	Current	MTD Activity	YTD Activity	Budget
	Total Budget	Total Budget			Remaining
01 - GENERAL FUND	516.10	-544,626.81	-918,588.07	1,875,832.42	-2,420,459.23
03 - DEBT SERVICE FUND	56,890.74	56,890.74	5,125.84	77,671.54	-20,780.80
05 - MOTEL TAX FUND	9,030.00	9,030.00	6,756.86	121,672.41	-112,642.41
10 - CAPITAL IMPROVEMENTS ...	-1,168,985.00	-1,168,985.00	-428,334.81	250,855.09	-1,419,840.09
Total Surplus (Deficit):	-1,102,548.16	-1,647,691.07	-1,335,040.18	2,326,031.46	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

CITY OF JERSEY VILLAGE

PROPERTY TAX COLLECTION REPORT

JULY 2022

TAX COLLECTION SYSTEM
 TAX COLLECTOR MONTHLY REPORT
 FROM 07/01/2022 TO 07/31/2022

INCLUDES AG ROLLBACK

JURISDICTION: 0070 City of Jersey Village

YEAR	TAX RATE	TAX LEVY	PAID ACCTS
2021	00.742500	90,863.77	3,107

YEAR	TAXES DUE	MONTH ADJ	ADJUSTMENT YTD	LEVY PAID	PAID YTD	BALANCE	COLL %	YTD UNCOLL
2021	108,910.20	18,046.43-	18,046.43-	4,105.09	4,105.09	86,758.68	4.52	0.00
2020	67,027.31	792.97-	792.97-	1,490.91	1,490.91	64,743.43	2.25	0.00
2019	24,229.29	.00	0.00	1,584.27	1,584.27	22,645.02	6.54	0.00
2018	25,756.83	.00	0.00	1,678.58	1,678.58	24,078.25	6.52	0.00
2017	16,408.81	.00	0.00	1,173.04	1,173.04	15,235.77	7.15	0.00
2016	10,977.99	.00	0.00	1,056.09	1,056.09	9,921.90	9.62	0.00
2015	8,604.06	.00	0.00	272.08	272.08	8,331.98	3.16	0.00
2014	8,458.87	.00	0.00	0.00	0.00	8,458.87		0.00
2013	7,716.34	.00	0.00	0.00	0.00	7,716.34		0.00
2012	8,064.75	.00	0.00	0.00	0.00	8,064.75		0.00
2011	8,410.41	.00	0.00	0.00	0.00	8,410.41		0.00
2010	4,289.59	.00	0.00	0.00	0.00	4,289.59		0.00
2009	5,453.54	.00	0.00	0.00	0.00	5,453.54		0.00
2008	2,474.69	.00	0.00	0.00	0.00	2,474.69		0.00
2007	2,578.18	.00	0.00	0.00	0.00	2,578.18		0.00
2006	2,086.72	.00	0.00	0.00	0.00	2,086.72		0.00
2005	1,705.11	.00	0.00	0.00	0.00	1,705.11		0.00
2004	1,110.04	.00	0.00	0.00	0.00	1,110.04		0.00
2003	378.07	.00	0.00	0.00	0.00	378.07		0.00
2002	463.05	.00	0.00	0.00	0.00	463.05		0.00
2001	4.59	.00	0.00	0.00	0.00	4.59		0.00
2000	334.73	.00	0.00	0.00	0.00	334.73		0.00
****	315,443.17	18,839.40-	18,839.40-	11,360.06	11,360.06	285,243.71		0.00
CURR	108,910.20	18,046.43-	18,046.43-	4,105.09	4,105.09	86,758.68		0.00
DELO	206,532.97	792.97-	792.97-	7,254.97	7,254.97	198,485.03		0.00

TAX COLLECTION SYSTEM
 DEPOSIT DISTRIBUTION
 REVERSALS DETAIL SCHEDULE
 FROM: 07/01/2022 THRU 07/31/2022
 JURISDICTION: 70 City of Jersey Village

YEAR DEPOSIT	ACCOUNT NUMBER	EFF YR/MO	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	ATTORNEY CAUSE /REV	REFUND AMOUNT	PAYMENT AMOUNT CAT
2020	RF220707	202107	0.00	0.00	0.00	0.00 21	789.79-	789.79-RF
2020	RF220707	202107	789.79-	0.00	0.00	0.00 21	789.79	0.00 RF
2020	RF220707	202111	3.18-	0.00	0.60-	0.76-21	4.54	0.00 RF
2020	RF220707	202111	0.00	0.00	0.00	0.00 21	4.54-	4.54-RF
	2020 TOTAL		792.97-	0.00	0.60-	0.76-	0.00	794.33-
2021	RF220708	202112	264.36-	0.00	0.00	0.00 9	264.36	0.00 RF
2021	RF220708	202112	0.00	0.00	0.00	0.00 9	264.36-	264.36-RF
2021	RF220708	202112	1,469.81-	0.00	0.00	0.00 9	1,469.81	0.00 RF
2021	RF220708	202112	0.00	0.00	0.00	0.00 9	1,469.81-	1,469.81-RF
2021	RF220708	202112	0.00	0.00	0.00	0.00 9	6,060.58-	6,060.58-RF
2021	RF220708	202112	6,060.58-	0.00	0.00	0.00 9	6,060.58	0.00 RF
2021	RF220708	202201	8,210.47-	0.00	0.00	0.00 9	8,210.47	0.00 RF
2021	RF220708	202201	0.00	0.00	0.00	0.00 9	8,210.47-	8,210.47-RF
2021	RF220708	202201	4.55-	0.00	0.00	0.00 9	4.55	0.00 RF
2021	RF220708	202201	0.00	0.00	0.00	0.00 9	4.55-	4.55-RF
2021	RF220708	202201	1,035.45-	0.00	0.00	0.00 9	1,035.45	0.00 RF
2021	RF220708	202201	0.00	0.00	0.00	0.00 9	1,035.45-	1,035.45-RF
2021	RF220708	202201	180.28-	0.00	0.00	0.00 9	180.28	0.00 RF
2021	RF220708	202201	0.00	0.00	0.00	0.00 9	180.28-	180.28-RF
2021	L0705223	202206	4.46-	0.00	0.67-	1.02-2	0.00	6.15-TR
2021	RF220708	202203	1.90-	0.00	0.00	0.00 9	1.90	0.00 RF
2021	RF220708	202203	0.00	0.00	0.00	0.00 9	1.90-	1.90-RF
2021	RF220708	202112	0.00	0.00	0.00	0.00 9	181.92-	181.92-RF
2021	RF220708	202112	181.92-	0.00	0.00	0.00 9	181.92	0.00 RF
	2021 TOTAL		17,413.78-	0.00	0.67-	1.02-	0.00	17,415.47-
YEAR 2020								
	REFUNDS		792.97-	0.00	0.60-	0.76-	0.00	794.33-
	RETURNED ITEMS		0.00	0.00	0.00	0.00	0.00	0.00
	TRANSFERS/REVERSALS		0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL		792.97-	0.00	0.60-	0.76-	0.00	794.33-
YEAR 2021								
	REFUNDS		17,409.32-	0.00	0.00	0.00	0.00	17,409.32-
	RETURNED ITEMS		0.00	0.00	0.00	0.00	0.00	0.00
	TRANSFERS/REVERSALS		4.46-	0.00	0.67-	1.02-	0.00	6.15-
	TOTAL		17,413.78-	0.00	0.67-	1.02-	0.00	17,415.47-

TAX COLLECTION SYSTEM
 DEPOSIT DISTRIBUTION
 REVERSALS DETAIL SCHEDULE
 FROM: 07/01/2022 THRU 07/31/2022
 JURISDICTION: 70 City of Jersey Village

YEAR DEPOSIT	ACCOUNT NUMBER	EFF YR/MO	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	ATTORNEY CAUSE /REV	REFUND AMOUNT	PAYMENT AMOUNT CAT
	ALL YEARS							
	REFUNDS		18,202.29-	0.00	0.60-	0.76-	0.00	18,203.65-
	RETURNED ITEMS		0.00	0.00	0.00	0.00	0.00	0.00
	TRANSFERS/REVERSALS		4.46-	0.00	0.67-	1.02-	0.00	6.15-
	TOTAL		18,206.75-	0.00	1.27-	1.78-	0.00	18,209.80-

TAX COLLECTION SYSTEM
 DEPOSIT DISTRIBUTION
 SUMMARY OF PAYMENTS AND REVERSALS
 FROM: 07/01/2022 THRU 07/31/2022
 JURISDICTION: 70 City of Jersey Village

YEAR DEPOSIT	ACCOUNT NUMBER	EFF YR/MO	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	ATTORNEY CAUSE /REV	REFUND AMOUNT	PAYMENT AMOUNT
	2015 TOTAL		272.08	0.00	244.87	103.39	0.00	620.34
	2016 TOTAL		1,056.09	0.00	823.75	375.97	0.00	2,255.81
	2017 TOTAL		1,173.04	0.00	774.21	389.45	0.00	2,336.70
	2018 TOTAL		1,678.58	0.00	906.43	517.00	0.00	3,102.01
	2019 TOTAL		1,584.27	0.00	660.20	448.22	0.00	2,692.69
	2020 TOTAL		2,283.88	0.00	679.08	581.28	0.00	3,544.24
	2021 TOTAL		21,518.87	0.00	2,448.13	2,437.53	0.00	26,404.53
	TOTAL PAYMENTS		29,566.81	0.00	6,536.67	4,852.84	0.00	40,956.32
	2020 TOTAL		792.97-	0.00	0.60-	0.76-	0.00	794.33-
	2021 TOTAL		17,413.78-	0.00	0.67-	1.02-	0.00	17,415.47-
	TOTAL REVERSALS		18,206.75-	0.00	1.27-	1.78-	0.00	18,209.80-
	TOTAL FOR UNIT		11,360.06	0.00	6,535.40	4,851.06	0.00	22,746.52

Tax Collection System
Distribution Report - PROPERTY TAX
For Deposit Dates: 07/01/2022 thru 07/31/2022

Jurisdiction 0070 JERSEY VILLAGE

Year	Levy	Penalty Interest	Attorney	Adjustment Amount	Net Collections	Commissions (Excludes Attorney)	Net Payable	Disbursed to Jurisdiction	Disbursed to Attorneys
2021	4,105.09	2,447.46	2,436.51	141.19	9,130.25	(32.74)	9,097.51	6,661.00	2,436.51
2020	1,490.91	678.48	580.52	0.00	2,749.91	(10.86)	2,739.05	2,158.53	580.52
2019	1,584.27	660.20	448.22	0.00	2,692.69	(11.21)	2,681.48	2,233.26	448.22
2018	1,678.58	906.43	517.00	0.00	3,102.01	(12.93)	3,089.08	2,572.08	517.00
2017	1,173.04	774.21	389.45	0.00	2,336.70	(9.73)	2,326.97	1,937.52	389.45
2016	1,056.09	823.75	375.97	0.00	2,255.81	(9.40)	2,246.41	1,870.44	375.97
2015	272.08	244.87	103.39	0.00	620.34	(2.59)	617.75	514.36	103.39
Total:	\$11,360.06	\$6,535.40	\$4,851.06	\$141.19	\$22,887.71	(\$89.46)	\$22,798.25	\$17,947.19	\$4,851.06

General Fund
For the period ended August 31, 2022

Revenue	Adopted Budget	Current Budget	YTD Actual	% of Actual compared to Budget	Projections
Property Taxes	6,811,278.00	6,811,278.00	6,547,472.70	96.13%	6,811,278.00
Electric Franchise Taxes	360,000.00	360,000.00	332,263.88	92.30%	360,000.00
Telephone Franchise	59,000.00	59,000.00	13,694.55	23.21%	20,000.00
Gas Franchise	40,000.00	40,000.00	46,676.05	116.69%	50,000.00
Cable TV Franchise	75,000.00	75,000.00	80,004.60	106.67%	85,000.00
Telecommunication	14,000.00	14,000.00	21,327.15	152.34%	25,000.00
City Sales Tax	3,986,000.00	3,986,000.00	4,434,699.77	111.26%	4,800,000.00
Sales TX-Reduce Property Taxes	323,850.00	323,850.00	371,211.02	114.62%	371,200.00
Mixed Drink Tax	30,000.00	30,000.00	30,025.55	100.09%	32,000.00
Fines Warrants & Bonds *	918,000.00	918,000.00	558,400.25	60.83%	600,000.00
Fees & Charge for Services	379,750.00	379,750.00	395,015.34	104.02%	420,000.00
Licenses & Permits	151,700.00	151,700.00	252,275.68	166.30%	260,000.00
Interest Earned	10,000.00	10,000.00	88,037.99	880.38%	100,000.00
Interfund Activity	3,827,329.41	3,797,033.41	2,511,854.41	66.15%	3,797,033.41
Misc Revenue	60,000.00	60,000.00	99,923.60	166.54%	120,000.00
Other Agency Revenue	30,000.00	30,000.00	13,804.26	46.01%	30,000.00
Total Revenue	17,075,907.41	17,045,611.41	15,796,686.80	92.67%	17,881,511.41
Expenditures					
Administrative Service	710,699.89	814,699.89	640,010.99	78.56%	814,699.89
Legal/Other Services	3,587,713.86	4,062,713.86	2,795,756.75	68.82%	4,062,713.86
Info Technology	840,791.52	899,221.52	767,208.66	85.32%	840,791.52
Purchasing	23,675.00	23,675.00	22,340.42	94.36%	23,675.00
Accounting Services	435,788.80	435,788.80	388,255.05	89.09%	435,788.80
Customer Services	137,766.88	137,766.88	93,629.48	67.96%	137,766.88
Municipal Court	352,781.84	352,781.84	258,275.49	73.21%	352,781.84
Police Department	4,128,715.95	4,160,459.64	3,465,323.80	83.29%	4,160,459.64
Communications	918,656.77	926,396.77	773,428.20	83.49%	926,393.77
Fire Department	2,063,461.02	2,065,986.24	1,683,573.58	81.49%	2,065,986.24
Public Works	278,983.01	209,983.01	167,280.94	79.66%	209,983.01
Community Development	501,098.79	501,098.79	349,628.87	69.77%	501,098.79
Streets	685,913.53	685,913.53	514,534.43	75.01%	685,913.53
Building Maintenance	373,455.54	373,455.54	250,611.41	67.11%	373,455.54
Solid Waste	499,715.16	499,715.16	392,336.56	78.51%	499,715.16
Fleet Services	483,684.53	483,684.53	499,995.75	103.37%	483,684.53
Recreation	220,001.52	220,001.52	219,154.73	99.62%	220,001.52
Parks	802,191.70	767,191.70	639,509.27	83.36%	767,191.70
Total Expenditures	17,045,095.31	17,620,534.22	13,920,854.38	79.00%	17,562,101.22

* Part of the fines revenue collections is transfer to Court Security and Technology Fund

Utility Fund
For the period ended August 31, 2022

	Adopted Budget	Current Budget	YTD Actual	% of Actual compared to Budget	Projections
Revenue					
Fees & Charge for Services	4,770,000.00	4,770,000.00	4,647,932.00	97.44%	5,000,000.00
Interest Earned	2,000.00	2,000.00	16,849.36	842.47%	18,000.00
Interfund Activity	-	-	-		
Miscellaneous Revenue	60,000.00	60,000.00	53,578.15	89.30%	60,000.00
Other Agency Revenue	-	-	-		-
Total Revenue	4,832,000.00	4,832,000.00	4,718,359.51	97.65%	5,078,000.00
Expenditures					
Water & Sewer	4,017,836.57	4,017,836.57	3,953,686.01	98.40%	4,017,836.57
Utility Capital Projects	2,560,000.00	2,560,000.00	264,786.48	10.34%	2,000,000.00
	-	-	-		-
Total Expenditures	6,577,836.57	6,577,836.57	4,218,472.49	64.13%	6,017,836.57

MONTHLY REPORT – AUGUST 2022
JERSEY VILLAGE FIRE DEPARTMENT

EMERGENCY RESPONSES

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Fire/County	8	5	5	1	0	2	4	1					26
Fire/ETJ	1	3	3	1	0	0	3	3					14
Fire/JV	43	36	51	37	28	26	49	40					310
EMS/County	2	0	0	0	2	1	0	0					5
EMS/ETJ	10	3	3	2	2	3	0	2					25
EMS/JV	73	59	55	60	83	73	74	55					532
TOTAL	137	106	117	101	115	105	129	101					911
Transports	53	46	42	40	61	52	49	52					395
Aid received	1	3	3	2	1	1	3	6					20
Aid given	2	0	1	2	0	0	0	0					5

FIRE INSPECTIONS CONDUCTED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Inspections	104	153	96	82	84	48	54	54					675

PUBLIC EDUCATION COURSES CONDUCTED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Programs	0	0	2	1	1	2	0	2					8
Audience	0	0	120	71	23	44	0	30					288

FIRE INVESTIGATIONS CONDUCTED

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	TOTAL
	2	3	8	2	0	1	3	2					21

FIRE MARSHAL ACTIVITY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Plan Reviews	8	8	13	0	6	2	8						45
Fire Drills	2	0	3	2	1	0	0	2					10
Knox	0	0	1	0	0	0	2	3					6
Inspections	104	153	96	82	84	48	54	54					675
C of O	5	5	5	6	1	1	3	2					28
Fire Alarm Inspection	1	2	1	7	1	0	2	2					16
Fre Sprinkler Inspection	10	4	7	1	4	5	3	2					36
Hydrant Mapping	0	0	0	4	0	0	0	0					4
Hydrant Flow Test	0	0	0	0	0	0	0	0					0
Pre-Plans	0	0	0	0	0	0	0	8					8
Construction Meetings	14	20	21	1	2	4	5	9					76
Fire Lane Violations	1	3	0	0	0	0	0	0					4
Complaints	0	5	0	0	0	1	0	3					9
Emergency Call Assist	41	13	16	14	24	6	2	15					131

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

AUGUST 2022

Communication Division Monthly Report

Date	CFS - PD	CFS - FD	CFS - FMO	911 Phone	10 Digit	License Plate	Driver's License	Criminal History	TCIC Messages	Day Total
1-Aug	38	4	0	14	104	44	39	4	5	252
2-Aug	45	6	0	12	94	45	49	0	4	255
3-Aug	57	3	0	16	99	66	64	3	6	314
4-Aug	37	10	0	27	141	23	24	2	13	277
5-Aug	45	6	3	37	155	53	42	1	9	351
6-Aug	40	3	W	17	73	42	49	0	0	224
7-Aug	38	4	W	12	80	23	31	1	5	194
8-Aug	38	0	6	16	126	32	43	1	2	264
9-Aug	61	4	6	24	87	36	45	4	7	274
10-Aug	38	2	1	19	78	39	35	0	1	213
11-Aug	34	6	2	19	128	30	32	1	9	261
12-Aug	72	3	0	16	109	57	66	1	3	327
13-Aug	61	2	W	15	101	46	49	1	8	283
14-Aug	44	2	W	38	86	35	31	1	0	237
15-Aug	30	2	0	18	95	30	42	3	11	231
16-Aug	25	2	10	12	110	13	19	1	30	222
17-Aug	53	7	1	30	129	42	52	6	4	324
18-Aug	63	5	0	35	103	54	46	5	1	312
19-Aug	41	5	0	35	92	33	48	3	5	262
20-Aug	65	6	W	24	91	53	60	2	10	311
21-Aug	70	3	W	18	74	63	73	1	12	314
22-Aug	51	3	0	24	131	54	57	3	11	334
23-Aug	69	3	6	17	117	63	67	1	10	353
24-Aug	67	4	0	23	114	63	76	0	1	348
25-Aug	73	5	1	23	72	52	53	1	4	284
26-Aug	79	4	4	16	298	84	86	0	10	581
27-Aug	53	5	W	31	140	38	47	1	2	317
28-Aug	32	0	W	13	120	24	32	3	7	231
29-Aug	58	5	0	23	142	50	59	5	3	345
30-Aug	52	6	0	14	68	64	59	1	4	268
31-Aug	60	6	1	32	139	63	67	2	4	374
Totals	1589	126	41	670	3496	1414	1542	58	201	9137
Annual Totals	11455	966	187	5267	27719	10520	11110	632	1752	69608

Dispatch welcomed 2 babies this month. Baby James on the 8th to TCO Caitlin Billington and her fiance Jeremey weighing in at 7 lbs. 8 oz., and Baby Leo on the 9th to TCO Meagan and Deputy Brent Zatzkin weighing in at 7 lbs. 1 oz. Thanks to the new City policy both of these dispatchers will be able to enjoy staying home with their babies because they won't have to worry about money or insurance. TCOs Paula Velasquez and Kris Ledezma finished their Spanish online class. They also went to training at GHC-911 and are now certified to work all the 911 equipment. CS Rayne Herzog was able to get some training in at GHC-911 as well. You may notice quite a jump in the total for the Non-er calls. I was finally able to retrieve the numbers from April.

Police Department
Monthly Activity Report
August-2022

ACTIVITY	CURRENT MONTH AUGUST	PREVIOUS MONTH JULY	YTD 2022	TOTAL 2021
-----------------	---------------------------------	--------------------------------	---------------------	-----------------------

PART 1 OFFENSES

Homicide / Manslaughter	0	0	1	0
Sexual Assault	0	2	7	4
Robbery	0	0	4	6
Aggravated Assault	1	1	11	6
Burglary	2	11	32	35
Larceny	9	12	126	153
Motor Vehicle Theft	11	7	49	51
TOTAL PART I	23	33	230	255
TOTAL PART II	56	58	297	243
TOTAL OFFENSES	79	91	527	498

ADDITIONAL STATISTICS

FAMILY VIOLENCE	3	2	19	45
D.W.I.	6	4	48	173

FELONY	5	23	204	227
MISDEMEANOR	39	16	106	109
WARRANT ARREST	8	10	79	114
JUVENILE	3	3	30	16
TOTAL ARRESTS	55	52	419	466

DISPATCH

CALLS FOR SERVICE	814	616	5254	8213
TRAFFIC STOPS	736	1123	5776	6970

ACCIDENTS

INJURY	24	15	132	138
NON-INJURY	81	62	512	553
FATALITY	0	0	0	2
TOTAL	105	77	644	693

Part II Crimes: are "less serious" offenses and include: Simple Assaults, Forgery/Counterfeiting, Embezzlement/Fraud, Receiving Stolen Property, Weapon Violations, Prostitution, Sex Crimes (except rape), Crimes Against Family/Child, Narcotic Drug Laws, Liquor Laws, Drunkenness, Disturbing the Peace, Disorderly Conduct, Gambling, and DWI.



Warrant Payment Report

CITY OF JERSEY VILLAGE

9/1/2022 4:09:17 PM

Warrant Payment Totals For 08/01/2022 - 08/31/2022

Payment Activity Totals:		Transaction Total	1602
Payments	\$34,598.71		
Bonds Applied/Forfeit	\$0.00		
Bonds Posted	\$0.00		
Total Collected	\$34,598.71		
Pending Bond	\$0.00		
Pending Payments	\$0.00		
Total Collected	\$34,598.71		
Non-Cash Amt:	\$8,690.68		

Payment Activity Totals By Fees:			
(2)	\$60.00	01-10-8001	3
AR-ARREST FEE	\$60.00		12
AR-ARREST FEE	\$313.74	01-10-8001	51
COSTS	\$34.00	01-0-1213	2
FEES	\$760.00		19
FEES	\$3,829.90	01-0-1213	77
CCC20-CCC 2020	\$62.00		1
CCC20-CCC 2020	\$558.00	01-0-1213	8
CJFC-Civil Justice Fee Court	\$0.04		4
CJFC-Civil Justice Fee Court	\$0.21	01-10-8001	17
CJFS-Civil Justice Fee State	\$0.36		4
CJFS-Civil Justice Fee State	\$1.89	01-0-1213	17
CMI-CORRECTIONAL MGMT 09/01/01	\$1.00	01-0-1213	2
FEE	\$1,795.08		19
FEE	\$8,935.89	01-0-1223	83
CVC-COMP TO VICTIMS OF CRIME FUND	\$30.00	01-0-1213	2
(1)	\$10.00	01-10-8001	1
APPREHENSION	\$10.00	01-0-1213	2
FINE-Fine	\$1,247.50		9
FINE-Fine	\$5,592.00	01-10-8001	31
IDF-Indigent Defense Fee	\$34.00		17
IDF-Indigent Defense Fee	\$187.49	01-0-1213	77
JCD2-JUV CRIME & DELINQUENCY 9/1/01	\$1.00	01-0-1213	2
JCPT2-JUD CT&PERS TRNG FUND 1999	\$4.00	01-0-1213	2
JFCI-Judicial Fee City	\$11.40		19
JFCI-Judicial Fee City	\$57.45	01-10-8008	77
State	\$6.80		2
JFCT2-Judicial Fee State	\$91.80		17
JFCT2-Judicial Fee State	\$506.24	01-0-1214	77
LMCBSF-Local Building Security Fund	\$4.90		1
LMCBSF-Local Building Security Fund	\$44.10	01-10-8005	8
Fund	\$4.00		1
Fund	\$36.00	01-10-8004	8
LMJF-Local Municipal Jury Fund	\$0.10		1
LMJF-Local Municipal Jury Fund	\$0.90	01-10-8008	8
Fund	\$5.00		1
Fund	\$45.00	01-10-8001	8
SE-SPECIAL EXPENSE FEE	\$611.80		3
SE-SPECIAL EXPENSE FEE	\$1,448.60	01-10-8001	6
SECURITY	\$57.00		19
SECURITY	\$299.24	01-10-8005	81
FEE	\$76.00		19
FEE	\$382.99	01-0-1213	77
FEE	\$90.00		3
FEE	\$592.42	01-0-1213	17
FEE	\$250.00	01-0-1213	5

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022



Warrant Payment Report

CITY OF JERSEY VILLAGE

9/1/2022 4:09:17 PM

Warrant Payment Totals For 08/01/2022 - 08/31/2022

TECH-COURT TECHNOLOGY FEE	\$76.00		19
TECH-COURT TECHNOLOGY FEE	\$406.99	01-10-8004	83
TFC-TFC	\$9.00		3
TFC-TFC	\$74.24	01-10-8001	22
TITLE7-TRAFFIC FINES	\$1,829.90		10
TITLE7-TRAFFIC FINES	\$10,594.30	01-10-8001	58
DPS	\$220.00		8
DPS	\$1,460.00	01-0-1226	61
FEE	\$96.00		13
FEE	\$576.00	01-0-1227	79
TLFTA3-OMNIBASE CITY	\$64.00		13
TLFTA3-OMNIBASE CITY	\$384.00	01-10-8006	79
FEE	\$25.00	01-10-8003	10
TPF-TRUANCY PREVENTION FUND	\$28.00		14
TPF-TRUANCY PREVENTION FUND	\$177.50	01-0-1213	75
FEE	\$100.00	01-10-8002	10
TPRF-Time Payment Reimbursement Fee	\$15.00	01-10-8002	1
FEES	\$125.00	01-0-1220	10
WRNTFE-WARRANT FEE	\$1,450.00		22
WRNTFE-WARRANT FEE	\$6,112.50	01-10-8001	92
Report Total	\$43,289.39		1602
Payment Activity Totals By Transaction Type:			
Non-cash Credit	\$8,690.68	01-0-1226	273
Payment	\$34,598.71	01-0-1226	1329
Report Total	\$43,289.39		1602

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Police Department Open Positions/Recruitment

August 2022

As of August 31, 2022, the Jersey Village Police Department has the following job openings:

- Patrol Officer (2 open positions)

The Police Department has continued recruiting efforts, and is currently reviewing applications for qualified applicants.

147	LEXIS	NEXIS	8/2/2022	LAST MONTH OF CITATIONS ISSUED			8/4/2022 VIA EMAIL	NO	YES	NO	00 HRS 30 MIN ACCUM 6 HRS 00 MIN
148	KENNEDY	REBECCA	8/2/2022	ARREST REPORT FOR KENNEDY, REBECCA DOB 10/15/1990 FOR POM 2014-2016			8/4/2022 VIA EMAIL	NO	YES	NO	1 HRS 00 MIN ACCUM 1 HRS 00 MIN
149	SULLO	SULLO	8/3/2022	LAST 2 WEEKS OF CITATIONS ISSUED			8/4/2022 VIA EMAIL	NO	YES	NO	00 HRS 30 MIN ACCUM 8 HRS 30 MIN
150	SPEARHAED	INVESTIGATION	8/8/2022	ALL ARREST, INCIDENTS, SUPPLEMENTS WITH BRIGETTE REISSIG DOB 6/1/1980 INVOLVED IN			8/11/2022 VIA EMAIL	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
151	TRETSVEN	ASHLEY	8/8/2022	COPY OF STATION SURVEILLANCE FROM 7/30 1300-14100 INVOLVING A GARK GRAY CAR & SILVER ALTIMA		\$12.00	8/11/2022 VIA PU	NO	YES	N	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
152	ROSS REPORTING	SERVICES	8/9/2022	DASH,BWC CASE NOTES ANY OTHER DOCUMENTS PERTAINING TO ACCIDENT 20-1252 1/28/2020			8/16/2022 VIA MAIL USPS CRRR 7020 1810 0001 3924 7436	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
153	PHILLIPS	NERISSA	8/9/2022	COPY OF CFS FOR 9/24/2020 @ 8655 JONES # 1608			8/11/2022 VIA EMAIL	NO	YES	NO	00 HRS 30 MIN ACCUM 00 HRS 30 MIN
154	BOYKIN	KERRY	8/11/2022	CFS FOR 16125 SINGAPORE LN FROM 8/10/2020 TO 8/10/2022			8/16/2022 VIA EMAIL	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
155	TRETSVEN	AHSLEY	8/11/2022	OUTSIDE PD SURVEILLANCE FOOTAGE 8/6/2022 @ NOON-130. DARK GRAY CAR AND SILVER ALTIMA IN 'SAFE ZONE'		\$12.00	8/17/2022 VIA PU	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
156	BERHOW	CHARLES	8/11/2022	2022-9783 COPY OF BWC AND DASH CAM FOR ACCIDENT		\$12.00	8/17/2022 VIA PU	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIN
157	RIDDLE	KYLE	8/15/2022	20-17601 COPY OF BWC/DASH FOR ALL OFFICERS ON THE SCENE, BOOKING ARE PHOTOS. COPIES OF BOUGHTER TRAINING, AND CERTIFICATES FOR THE BREATHALYZER CALIBRATION, LAST CALIBRATION OF MACHINE AND USE COUT.	SENT TO AG OFFICE 8/23/2022 USPS CRRR 7020 1810 0001 3924 7443		8/23/2022 VIA EMAIL PUBLIC PAGE	YES	NO	YES	4 HRS 00 MIN ACCUM 4 HRS 00 MIN
158	SULLO	SULLO	8/15/2022	LAST 2 WEEKS OF CITATIONS ISSUED			8/16/2022 VIA EAMIL	NO	YES	NO	00 HRS 30 MIN ACCUM 9 HRS 00 MIN
159	HONDA	JOHN EAGLE	8/15/2022	COPY OF CASE 22-3285	Requestor Withdrew 8/15/2022		XXXX	XXX	XXX	XXX	XXX
160	MILLION	RACHEL	8/15/2022	COPY OF ARREST REPORT			8/24/2022 VIA PU	NO	YES	NO	6 HRS 00MIN ACCUM 6 HRS 00 MIN
161	SIMMONS	FLETCHER LLC	8/18/2022	COPY OF ACCIDENT REPORT 2022-9583 WITH911 RECORDINGS, BWC/DASH CAM OF ALL OFFICERS ON SCENE			8/22/2022 VIA USPS CRRR 7020 1810 0001 3724 7450	YES	NO	YES	2 HRS 00 MIN ACCUM 6 HRS 00 MIN
162	PADILLA	MIGUEL	8/19/2022	COPY OF ARRET REPORT FROM 2/9/2009 FOR PUBLIC INTOCATION			8/24/2022 VIA EMAIL	NO	YES	NO	2 HRS 00 MIN ACCUM 2 HRS 00 MIM
163	PERRYMAN	ANGEL	8/22/2022	COPY OF EXXON SURVEILLANCE VIDEO FOR MINOR PKLOT ACCIDENT 815-830 AM	JVPD DOES NOT HAVE ACCESS TO THIS SURVEILLANCE SYSTEM		8/22/2022 VIA EMAIL	NO	NO	NO	00 HRS 30 MIN ACCUM 00 HRS 30 MIN
164	SULLO	SULLO	8/25/2022	LAST 2 WEEKS OF CITATIONS ISSUED							
165	NJAKA	CHUKWUMA	8/29/2022	COPY OF OFFICER HORTONS BWC FROM ACCIDENT 21-12063 ON 10/15/2021	USPS CRRR 7020 1810 0001 3924 7467	\$12.00	8/30/2022 VIA USPS MAIL	NO	YES	NO	2 HRS 000 MIN ACCUM 2 HRS 00 MIN
166	SHERMAN	LAW FIRM	8/29/2022	COPY OF DOG BITE CASE 2022-11360 @ 12400 CASTLEBRIDGE							
167											

**CITY OF JERSEY VILLAGE
MUNICIPAL COURT
COLLECTIONS 2022**

	CITY PORTION			RESTRICTED FUND				STATE & OMNI & COLLECTIONS	
MONTH	CITY FINES	WARRANT COLLECTION	CITY PORTION OMNI FEES	COURT SEC. FUND	COURT TECH. FEE	JUDICIAL EFF. FEE	CHILD SAFETY	PORTION FEES	TOTAL COLLECTION
Jan	\$35,360.52	\$4,598.15	\$340.00	\$952.60	\$903.57	\$62.20	\$0.00	\$25,920.25	\$68,137.29
Feb	\$41,264.23	\$6,926.10	\$472.00	\$1,093.00	\$1,068.67	\$83.30	\$0.00	\$33,823.32	\$84,730.62
Mar	\$53,220.12	\$8,602.17	\$636.67	\$1,357.72	\$1,330.85	\$103.15	\$25.00	\$41,506.17	\$106,781.85
Apr	\$37,456.08	\$4,862.39	\$348.00	\$1,019.10	\$950.37	\$63.70	\$9.76	\$27,140.38	\$71,849.78
May	\$35,582.05	\$4,681.59	\$300.00	\$1,016.54	\$939.27	\$55.70	\$0.00	\$26,124.05	\$68,699.20
June	\$43,062.44	\$6,716.26	\$404.00	\$1,231.04	\$1,154.47	\$71.53	\$25.00	\$34,417.70	\$87,082.44
July	\$39,193.07	\$4,623.06	\$306.45	\$1,192.44	\$1,087.58	\$67.37	\$25.00	\$31,439.03	\$77,934.00
Aug	\$49,883.39	\$4,512.50	\$312.00	\$1,366.24	\$1,242.75	\$68.35	\$25.00	\$33,510.68	\$90,920.91
Sept									
Oct									
Nov									
Dec									
Totals	\$335,021.90	\$45,522.22	\$3,119.12	\$9,228.68	\$8,677.53	\$575.30	\$109.76	\$253,881.58	\$656,136.09

Municipal Courts
Activity Detail
August 1, 2022 to August 31, 2022

100.0 Percent Reporting Rate
1 Reports Received Out of a Possible 1

Court: Jersey Village

CRIMINAL CASES							
	Traffic Misdemeanors			Non-Traffic Misdemeanors			Total
	Non-Parking	Parking	City Ordinance	Penal Code	Other State Law	City Ordinance	
Cases Pending 8/1/2022:							
<i>Active Cases</i>	16,912	227	0	136	1,529	174	18,978
<i>Inactive Cases</i>	16,947	33	0	149	5,111	52	22,292
Docket Adjustments	0	0	0	0	0	0	0
Cases Added:							
New Cases Filed	666	8	0	4	48	12	738
Cases Reactivated	135	0	0	0	49	0	184
All Other Cases Added	0	0	0	0	0	0	0
Total Cases on Docket	17,713	235	0	140	1,626	186	19,900
Dispositions:							
Dispositions Prior to Court Appearance or Trial:							
Uncontested Dispositions	167	1	0	2	41	0	211
Dismissed by Prosecution	174	0	0	0	15	1	190
Total Dispositions Prior to Court Appearance or Trial	341	1	0	2	56	1	399
Dispositions at Court Appearance or Trial:							
Convictions:							
<i>Guilty Plea or Nolo Contendere</i>	0	0	0	0	0	0	0
<i>By the Court</i>	3	0	0	0	0	0	3
<i>By the Jury</i>	0	0	0	0	0	0	0
Acquittals:							
<i>By the Court</i>	0	0	0	0	0	0	0
<i>By the Jury</i>	0	0	0	0	0	0	0
Dismissed by Prosecution	3	0	0	0	0	0	3
Total Dispositions at Court Appearance or Trial	6	0	0	0	0	0	6
Compliance Dismissals:							
After Driver Safety Course	27	---	---	---	---	---	27
After Deferred Disposition	42	0	0	1	3	0	46
After Teen Court	0	0	0	0	0	0	0
After Tobacco Awareness Course	---	---	---	---	0	---	---
After Treatment for Chemical Dependency	---	---	---	0	0	---	---
After Proof of Financial Responsibility	12	---	---	---	---	---	12
All Other Transportation Code Dismissals	114	0	0	0	0	0	114
Total Compliance Dismissals	195	0	0	1	3	0	199
All Other Dispositions	0	0	0	0	0	0	0
Total Cases Disposed	542	1	0	3	59	1	606
Cases Placed on Inactive Status	441	1	0	6	52	1	501
Cases Pending 8/31/2022:							
<i>Active Cases</i>	16,730	233	0	131	1,515	184	18,693
<i>Inactive Cases</i>	17,253	34	0	155	5,114	53	22,609
Show Cause and Other Required Hearings Held	77	0	0	1	10	1	89
Cases Appealed:							
After Trial	0	0	0	0	0	0	0
Without Trial	0	0	0	0	0	0	0

CITY COUNCIL MEETING PACKED FOR THE MEETING TO BE HELD ON SEPTEMBER 13, 2022

Municipal Courts
Activity Detail
August 1, 2022 to August 31, 2022
100.0 Percent Reporting Rate
1 Reports Received Out of a Possible 1
Court: Jersey Village

CIVIL/ADMINISTRATIVE CASES	
	Total
Cases Pending 8/1/2022:	
<i>Active Cases</i>	
<i>Inactive Cases</i>	
Docket Adjustments	
Cases Added:	
New Cases Filed	
Cases Reactivated	
All Other Cases Added	
Total Cases on Docket	
Dispositions:	
Uncontested Civil Fines or Penalties	
Default Judgments	
Agreed Judgments	
Trial/Hearing by Judge/Hearing Officer	
Trial by Jury	
Dismissed for Want of Prosecution	
All Other Dispositions	
Total Cases Disposed	
Cases Placed on Inactive Status	
Cases Pending 8/31/2022:	
<i>Active Cases</i>	
<i>Inactive Cases</i>	
Cases Appealed:	
After Trial	
Without Trial	
JUVENILE/MINOR ACTIVITY	
	Total
Transportation Code Cases Filed.....	
Non-Driving Alcoholic Beverage Code Cases Filed.....	
Driving Under the Influence of Alcohol Cases Filed.....	
Drug Paraphernalia Cases Filed.....	
Tobacco Cases Filed.....	
Truant Conduct Cases Filed.....	
Education Code (Except Failure to Attend) Cases Filed.....	
Violation of Local Daytime Curfew Ordinance Cases Filed.....	
All Other Non-Traffic Fine-Only Cases Filed.....	
Transfer to Juvenile Court:	
<i>Mandatory Transfer</i>	
<i>Discretionary Transfer</i>	
Accused of Contempt and Referred to Juvenile Court (Delinquent Conduct).....	
Held in Contempt by Criminal Court (Fined or Denied Driving Privileges).....	0
Juvenile Statement Magistrate Warning:	
<i>Warnings Administered</i>	0
<i>Statements Certified</i>	0
Detention Hearings Held.....	0
Orders for Non-Secure Custody Issued.....	0
Parent Contributing to Nonattendance Cases Filed.....	0

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Municipal Courts
Activity Detail
August 1, 2022 to August 31, 2022
100.0 Percent Reporting Rate
1 Reports Received Out of a Possible 1
Court: Jersey Village

ADDITIONAL ACTIVITY		
	Number Given	Number Requests for Counsel
Magistrate Warnings:		
<i>Class C Misdemeanors</i>	0	
<i>Class A and B Misdemeanors</i>	0	
<i>Felonies</i>	0	
		Total
Arrest Warrants Issued:		
<i>Class C Misdemeanors</i>		
<i>Class A and B Misdemeanors</i>		
<i>Felonies</i>		
Capiases Pro Fine Issued		
Search Warrants Issued		
Warrants for Fire, Health and Code Inspections Filed		
Examining Trials Conducted		
Emergency Mental Health Hearings Held		
Magistrate's Orders for Emergency Protection Issued		
Magistrate's Orders for Ignition Interlock Device Issued		
All Other Magistrate's Orders Issued Requiring Conditions for Release on Bond		
Driver's License Denial, Revocation or Suspension Hearings Held		
Disposition of Stolen Property Hearings Held		
Peace Bond Hearings Held		
Cases in Which Fine and Court Costs Satisfied by Community Service:		
<i>Partial Satisfaction</i>		
<i>Full Satisfaction</i>		
Cases in Which Fine and Court Costs Satisfied by Jail Credit		
Cases in Which Fine and Court Costs Waived for Indigency		
Amount of Fines and Court Costs Waived for Indigency		\$ 3,750
Fines, Court Costs and Other Amounts Collected:		
<i>Kept by City</i>		\$ 85,419
<i>Remitted to State</i>		\$ 5,302
Total		\$ 90,921

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

CITY OF JERSEY VILLAGE
MUNICIPAL COURT
COURT ROOM ACTIVITIES

<u>DATE</u>	<u>JUDGE/ PROSECUTOR</u>	<u>TOTAL CASES</u>	<u>NO SHOWED</u>	<u>% TO TOTAL</u>	<u>SHOWED TOTAL</u>	<u>% TO TOTAL</u>	<u>PAYMENT PLAN</u>	<u>% TO TOTAL</u>	<u>DOCKET CLOSED</u>	<u>% TO TOTAL</u>
<u>August 3, 2022</u>	Judge Kisluk	86	59	69%	27	31%	7	26%	15	56%
<u>AM Docket</u>	Marcy McCorvey									
<u>August 3, 2022</u>	Judge Kisluk	55	16	29%	39	71%	13	33%	10	26%
<u>PM Docket</u>	Marcy McCorvey									
<u>August 10, 2022</u>	Judge Harris	82	19	23%	63	77%	13	21%	23	37%
<u>AM Docket</u>	Lance Long									
<u>August 10, 2022</u>	Judge Harris	59	9	15%	50	85%	21	42%	25	50%
<u>PM Docket</u>	Lance Long									
<u>August 24, 2022</u>	Judge Chancia	9	1	11%	8	89%	4	50%	2	25%
<u>AM Docket</u>	Marcy McCorvey									
<u>August 24, 2022</u>	Judge Chancia	90	80	89%	10	11%	10	100%	0	0%
<u>PM Docket</u>	N/A									
<u>August 31, 2022</u>	Judge Chancia	88	0	0%	88	100%	20	23%	41	47%
<u>AM Docket</u>	Marcy McCorvey									
<u>August 31, 2022</u>	Judge Chancia	55	0	0%	55	100%	8	15%	17	31%
<u>PM Docket</u>	Marcy McCorvey									
TOTAL		524	184	35%	340	65%	96	28%	133	39%



Location Listing

CITY OF JERSEY VILLAGE

9/1/2022

Location Listing By Location

Location Details For Dates From 08/01/2022 To 08/31/2022

Citation #	Location
Ran Stop Sign	11
E0000081	Equador St and Shanghai St
E0000084	Lakeview Dr and Jersey Dr
E0005133	Seattle St and Solomon St E
E0004595	Senate Ave and Lakeview Dr
E0001142	Shanghai St and Equador St
E0005173	Village Dr and Rio Grande St
E0004596	15500 Block Lakeview Dr - N
E0004591	16000 Block Senate Ave - N
E0000588	16500 Block Village Dr - N
E0005582	16500 Block Village Dr - N
E0000559	16600 Block Village Dr - N
Speeding	6
E0001132	15700 Block Lakeview Dr - N
E0001133	15700 Block Lakeview Dr - N
E0001139	15700 Block Lakeview Dr - N
E0001140	15700 Block Lakeview Dr - N

E0001141

15700 Block Lakeview Dr - N

E0001576

16200 Block Lakeview Dr - N

Speeding - School Zone

1

E0005180

Congo Ln and Equador St

Report Totals

18

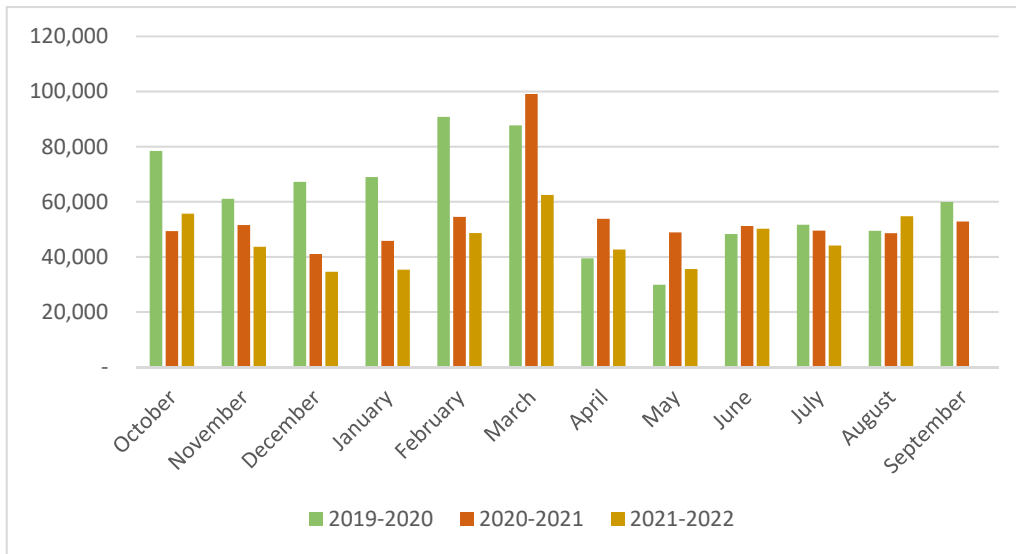
JERSEY VILLAGE MUNICIPAL COURT ACTIVITY REPORT

GENERAL PROCEEDS

FY 2019, 2020, 2021

	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>
October	78,416	49,309	55,655
November	61,065	51,540	43,670
December	67,241	41,041	34,579
January	68,972	45,799	35,361
February	90,758	54,502	48,662
March	87,719	99,058	62,459
April	39,486	53,785	42,666
May	29,873	48,861	35,582
June	48,286	51,190	50,183
July	51,684	49,497	44,123
August	49,447	48,597	54,708
September	59,882	52,813	
FY Total	\$ 732,830	\$ 645,992	\$ 507,648

Average Per Month \$ 61,069 \$ 53,833 \$ 46,150





Public Works Status Report for the month of August 2022

General –

- City Council approved contracts with Hydromax USA LLC and SewerVue Technology for utility projects that will allow for preventative maintenance planning through assessments of critical infrastructure.

Streets –

- In-house stop bar re-painting initiative covered areas on Rio Grande, St. Helier, Senate, Congo, Lakeview, Shanghai and Jersey
- Sidewalk and street panel projects are complete for this fiscal year
- Street staff replaced faded street signs throughout city
- Street sweeping and inlet cleaning conducted twice a week per the street sweeping zone map
- Digital speed sign at Senate and Congo has been repaired

Utilities –

- USIC began utility line locating on August 8th and has been responding to 811 dig locate requests on behalf of the city
- Utility Supervisor conducted a tour of JV water facilities and equipment for City of Bellaire utility staff
- Department manager and utility supervisor met with Spring Valley Public Works to discuss the existing inter-local agreement between the municipalities. Utility operators from Spring Valley to visit JV water/wastewater facilities and vice versa and will offer operational assistance to each other on an as-needed basis.

Fleet –

- Fleet outsource repairs increased due to the number of a/c's, water pumps, catalytic converters, alternators and starters going out; these failures mainly occurred with PD vehicles
- The extreme heat caused multiple issues with fleet vehicles (i.e. radiator going out, etc) due to constant use
- Work order response and the auction of vehicles continued as scheduled

Community Development –

- 97 building inspections, 23 plan reviews, 0 engineering reviews and 22 hours of building official services were conducted during the month of August.
- Regular code enforcement inspections, following up with reported violations, and removing bandit signs across the city as necessary
- Incode code enforcement module is went live on August 11th. Code enforcement meetings with Tyler Technologies are on-going to iron out details of the new code enforcement module

Building Maintenance –

- Building maintenance work orders are being addressed as a collective effort from all departments; ACM team to guide the effort

Jersey Meadow Golf Course
Monthly Report

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

FY 2021-2022													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2397	2623	3906	2991	2480	3650	4267	4246	4035	4380	3415		38390
Tournament Rounds	372	478	179	385	360	528	803	437	397	264	320		4523
Range buckets	1585	1715	1766	1750	1590	2184	2801	1915	2014	1976	1721		21017
Unearned Revenue	(556.33)	514.85	-5949.83	1,720.67	1612.93	-274.22	-575.20	58.13	538.58	-4,859.49	344.70		-7425.21
All Memberships	2,549.04	1,542.74	5,865.67	3,997.46	3,767.58	3,141.31	3,663.03	1,891.30	7,780.17	2,813.16	4,790.16		41,801.62
Green Fees	65,544.86	78,370.08	124,320.31	100,457.95	81,773.18	126,316.61	153,285.75	153,551.91	145,932.85	171,330.00	124,186.22		1,325,069.72
Tournament Fees	10,948.44	13,288.54	4,891.74	12,613.60	12,335.54	18,762.63	35,021.54	14,233.05	13,847.52	8,068.96	10,794.64		154,806.20
Range Fees	14,489.57	14,786.57	16,660.55	13,857.89	14,225.30	19,619.82	22,168.32	16,538.79	16,676.60	17,234.86	13,717.04		179,975.31
Club Rental	570.00	550.00	750.00	470.00	575.00	1,065.00	1,245.00	1,405.00	765.00	1,180.00	700.00		9,275.00
Sales of Merchandise	17,121.81	19,125.27	28,937.12	16,692.98	12,081.97	24,827.62	22,286.23	34,034.97	30,282.60	29,456.16	24,641.63		259,488.36
Concession Fees	4,234.29	4,478.32	4,472.80	3,616.67	3,428.00	5,717.07	7,183.73	6,065.59	6,009.66	6,473.69	5,195.28		56,875.10
Miscellaneous Fees	745.00	572.50	1,227.50	4,620.00	2,122.50	3,080.00	1,090.00	797.50	945.00	1,382.50	1,135.00		17,717.50
Total Income	115,646.68	133,228.87	181,175.86	158,047.22	131,922.00	202,255.84	245,368.40	228,576.24	222,777.98	233,079.84	185,504.67	-	2,037,583.60
Weather Totals	3RO/5W	3RO/3W/1H	1RO/4WD/1H	4RO/5WD	3RO/9W	2RO/3WD/1CM	3WD/1CM	2WD/3CM	2CM	2CM			16RO/40WD/2H/11CM
Income Per Round	\$41.05	\$42.30	\$44.37	\$45.12	\$44.56	\$47.72	\$47.79	\$48.39	\$48.39	\$50.63	\$48.29	\$0.00	\$46.68
FY 2020-2021													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	4199	3833	3206	3215	2280	3783	4087	2324	3072	2821	2836	2533	38189
Tournament Rounds	432	411	259	331	305	440	529	124	203	191	291	190	3706
Range buckets	2502	2139	1223	1788	1486	2241	2466	1307	1502	1498	1382	1258	20792
Unearned Revenue	(1,828.70)	-1677.03	-4123.64	2,577.07	2064.97	-958.42	206.90	-92.10	575.09	-127.91	-155.38	-27.46	-3566.61
Star Memberships	2,377.46	2,736.33	5,954.76	7,521.62	1,915.74	4,635.35	3,159.33	1,995.45	4,803.60	3,233.89	3,180.76	6,454.90	47,969.19
Green Fees	141,058.90	124,752.60	109,221.89	105,315.36	71,692.37	119,546.11	121,128.32	62,875.00	80,447.99	80,645.70	81,404.77	71,499.41	1,169,588.42
Tournament Fees	13,045.47	13,682.26	8,298.51	10,179.60	9,200.71	14,142.00	18,269.46	2,903.42	4,212.42	4,527.46	8,223.60	4,834.56	111,519.47
Range Fees	17,672.31	16,345.86	11,579.13	15,033.71	11,146.53	19,095.87	20,049.84	13,537.90	12,704.06	14,081.06	11,890.88	12,542.44	175,679.59
Club Rental	390.00	400.00	200.00	225.00	275.00	648.00	680.00	468.75	500.00	495.00	605.00	450.00	5,336.75
Sales of Merchandise	17,709.62	19,202.56	24,247.44	13,485.64	14,168.19	24,726.37	26,656.07	13,570.96	18,020.66	18,184.21	18,934.56	14,113.44	223,019.72
Concession Fees	6,097.49	4,843.35	3,944.58	3,819.87	2,830.15	5,123.29	5,450.52	3,378.74	4,157.36	3,740.46	3,714.91	3,334.53	50,435.25
Miscellaneous Fees	2,450.00	2,530.00	3,888.25	4,914.50	2,224.50	3,717.50	1,762.50	407.50	937.50	785.70	960.51	515.00	25,093.46
Total Income	198,972.55	182,815.93	163,210.92	163,072.37	115,518.16	190,676.07	197,362.94	99,045.62	126,358.68	125,565.57	128,759.61	113,716.82	1,805,075.24
Weather Totals	1RO/1CM	2RO/2W/1H	4RO/4W/1H	4RO/9W	7RO/7W	5W/1CM	1RO/4W/1CM	5RO/9W/5CM	3RO/5W	1RO/13W/	5WD	3RO/7W/	31RO/70W/8CM/2H
Income Per Round	\$42.85	\$42.83	\$46.57	\$43.14	\$43.15	\$44.28	\$42.03	\$39.68	\$36.94	\$40.66	\$40.21	\$39.40	\$42.03
FY 2019-2020													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2822	2566	3505	2388	2490	2854	119	4916	4325	4935	4516	4202	39638
Tournament Rounds	447	418	203	289	384	159	0	148	354	252	314	330	3298
Range buckets	1508	1433	1478	1209	1581	1335	0	2205	1892	2053	2105	2245	19044
Unearned Revenue	400.91	-317.89	-2154.02	888.22	2151.38	-869.36		-1196.43	(2,268.55)	-886.59	-1067.16	-2251.51	-7571.00
Star Memberships	5,042.78	2,178.46	4,127.77	4,402.75	3,400.19	8,901.18		7,176.37	6,040.07	4,346.20	3,191.19	5,543.08	54,350.04
Green Fees	80,370.21	78,523.77	110,211.22	60,955.71	72,572.18	82,188.50	2,954.35	163,982.17	138,989.99	157,398.71	147,675.64	137,051.64	1,232,874.09

Jersey Meadow Golf Course
Monthly Report

Tournament Fees	13,053.96	12,342.40	5,437.16	8,154.89	10,871.77	4,486.89		3,982.41	10,281.47	7,587.12	8,601.62	10,372.60	95,172.29
Range Fees	10,699.65	8,606.44	13,836.14	7,972.55	10,145.66	10,230.65		15,918.29	13,079.70	15,253.98	15,050.54	17,622.61	138,416.21
Club Rental	300.00	320.00	360.00	320.00	575.00	545.00			505.00	350.00	525.00	400.00	4,200.00
Sales of Merchandise	16,110.06	14,074.31	18,896.41	11,981.09	13,269.78	11,835.19	224.37	21,452.21	22,601.63	23,408.83	20,116.55	24,693.77	198,664.20
Concession Fees	3,716.48	3,343.51	3,615.00	3,134.23	3,516.51	3,098.47	94.01	5299.63	4,980.36	5,047.86	5,384.34	5,803.02	47,033.42
Miscellaneous Fees	424.00	1,253.00	675.00	4,824.00	2,533.00	2,230.00	60.00	900.00	940.00	2,467.50	3,445.00	2,735.00	22,486.50
Total Income	130,118.05	120,324.00	155,004.68	102,633.44	119,035.47	122,646.52	3,332.73	217,514.65	195,149.67	214,973.61	202,922.72	201,970.21	1,785,625.75
Weather Totals	4W/2RO/1CM	1W/5RO/1CM/1H	1W/1RO/1H	13W/5RO/0CM	5W/6RO/1CM	5W/1CM/7CVD-19	27 CVD-19	1W/2RO/1CM	1W/3RO/1M	4W/1RO/1M	3W/2RO/1M	1W/3RO/1H	39W/29RO/8CM/4H/34CV
Income Per Round	\$38.14	\$39.70	\$41.27	\$36.36	\$39.49	\$38.04	\$28.01	\$41.77	\$40.90	\$40.78	\$41.57	\$43.84	\$40.50

Jersey Meadow Golf Course
Monthly Report

Fy 2018-2019													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2389	2319	2117	1993	1873	3241	4169	3196	3346	4392	3809	2770	35614
Tournament Rounds	582	393	299	257	297	367	526	636	682	304	304	331	4978
Range buckets	1265	955	970	1031	1046	1284	1368	1181	1591	1606	1544	1351	15192
Unearned Revenue	-1472.95	-1668.62	-3443.07	1,430.45	60.48	-134.21	504.86	-1359.80	(2,370.72)	-229.23	-201.60	-865.64	(9,750.05)
Star Memberships	2,094.31	1,601.02	3,748.62	2,358.88	1,996.45	6,057.91	5,552.78	3475.34	2,823.76	4,319.36	4588.93	4294.91	42,912.27
Green Fees	65,328.60	52,816.14	68,371.79	42,809.31	44,185.56	85,369.39	103,277.89	88751.10	96,727.91	121,034.15	104445.40	77863.67	950,980.91
Tournament Fees	17,318.04	11,240.60	7,232.24	6,767.13	7,847.31	11,481.95	16,021.51	17097.50	21,215.16	8,816.48	9044.27	10591.82	144,674.01
Range Fees	6,576.03	4,475.29	9,669.19	5,207.18	6,205.01	7,889.27	7,087.90	5831.73	7,207.86	9,019.33	8733.55	7613.81	85,516.15
Club Rental	624.66	325.00	200.00	300.00	240.00	220.00	500.00	480.00	660.00	440.00	260.00	280.00	4,529.66
Sales of Merchandise	15,603.17	12,923.62	11,727.68	7,095.43	14,064.14	14,104.40	20,214.49	19090.89	21,910.22	18,239.02	22489.56	16744.87	194,207.49
Concession Fees	4,576.77	3,087.86	2,869.59	2,652.55	2,637.97	4,628.91	4,886.33	4433.14	4,587.18	4,734.94	4221.99	3379.30	46,696.53
Miscellaneous Fees	1,236.00	258.00	723.00	2,475.00	1,538.94	3,071.00	1,389.00	670.00	1,019.00	570.00	605.00	590.00	14,144.94
Total Income	\$111,884.63	85,058.91	101,099.04	71,095.93	78,775.86	132,688.62	159,434.76	138,469.90	153,780.37	166,944.05	154,187.10	120,492.74	\$1,473,911.91
Weather Totals	7W / 3RO	11W/4RO/1H	11W/2RO/1H	15W/3RO	10W/3RO	5W	7W	6W/1RO/1CM	6W/2RO	2W/1CM	4W	5W/3RO/1CM	89W/21RO3CM/2H
Income Per Round	\$37.45	\$31.39	\$41.72	\$29.91	\$35.35	\$35.13	\$32.67	\$35.58	\$38.07	\$34.68	\$36.42	\$37.75	\$35.49
FY 2017 - 2018													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,102	3,070	2,024	1,729	1,589	3470	3759	3530	3086	3,189	3,797	2,067	34,412
Tournament Rounds	555	369	275	317	262	374	449	585	491	307	319	228	4,531
Range buckets	1,391	1,398	770	895	787	1696	1884	1508	1322	1,280	1,359	852	15,142
Unearned Revenue			-24.63	967.27	-639.7	-367.01	-218.17	-1096.72	-349.85	-1530.91	-278.61	-431.73	-3970.06
Star Memberships	1,083.00	1,075.00	1,177.43	886.16	1,747.32	3,162.05	4,582.19	2,639.33	3,504.48	3,017.77	3,433.05	1038.59	27,346
Green Fees	76,440.71	83,616.18	56,482.97	41,148.61	34,012.15	92,628.33	105,731.34	97,318.89	89,853.79	88,257.01	94,600.16	54,390.33	914,480
Tournament Fees	15,749.55	10,763.90	8,833.94	9,282.22	6,489.84	10,364.94	13,093.08	16,466.79	15,368.94	9,305.25	9,077.39	7,464.76	132,261
Range Fees	6,820.25	7,163.03	5,664.41	4,636.80	4,335.16	10,101.88	9,859.66	9,101.61	7,509.12	7,112.74	7,161.08	4,782.61	84,248
Club Rental	150.00	555.00	430.00	230.00	60.00	420.00	524.66	280.00	460.00	475.52	380.00	200.00	4,165
Sales of Merchandise	16,065.54	15,566.43	10,147.15	8,019.54	10,197.37	17,132.64	16,095.62	18,707.26	14,255.38	15,682.44	14,648.24	9,488.43	166,006
Concession Fees	4,070.46	4,003.81	2,587.61	2,170.15	1,979.37	4,541.22	4,790.23	5,333.66	4,121.71	3,529.24	4,120.95	2,579.58	43,828
Miscellaneous Fees	653.99	210.00	795.00	2,745.00	1,710.00	1,665.00	1,035.00	690.00	490.00	480.00	525.00	190.00	11,189
Total Income	\$121,033.50	\$122,953.35	\$86,093.88	\$70,085.75	\$59,891.51	\$139,649.05	\$155,493.61	\$149,440.82	\$135,213.57	\$126,329.06	\$133,667.26	\$79,702.57	\$1,383,523.99
Weather Totals	5W / 1RO	0	6W/4RO/1H	7W/5RO&ICE	5W / 6RO	IW/IRO/2CM	1 CM	4 W	3W / 3 RO	7W / 1 RO	4W / 1RO	16W / 6 RO	58W/28RO/3CM/1H
Income Per Round	\$32.80	\$35.44	\$36.95	\$33.35	\$31.76	\$35.60	\$35.91	\$35.94	\$36.92	\$35.71	\$31.71	\$34.46	\$34.82

Jersey Meadow Golf Course
Monthly Report

FY 2016 - 2017														
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals	
Rounds played	2,521	2,355	1,972	1,584	2,223	2,331	3,281	3,253	2,881	2,835	2,057	3,166	30,459	
Tournament Rounds	771	472	325	341	336	549	473	812	517	596	310	517	6,019	
Range buckets	1,783	1,256	968	632	991	1,279	1,412	1,263	1,155	1,295	956	1,286	14,276	
Star Memberships	2,235.00	1,570.00	25.00	1,029.00	1,510.00	1,024.00	2,221.00	1,144.00	1,219.00	800.00	620.00	555.00	13,952	
Green Fees	71,022.49	65,681.11	50,027.42	38,520.25	61,122.97	55,752.79	88,247.62	87,096.00	74,742.39	73,059.53	53,137.49	79,790.70	798,201	
Tournament Fees	23,727.00	15,666.88	9,089.41	9,620.52	9,547.76	15,065.14	15,118.67	25,088.25	15,155.20	19,660.62	8,650.70	16,188.44	182,579	
Range Fees	8,258.92	6,360.11	4,774.40	4,514.09	6,347.68	6,640.74	7,981.02	7,154.62	6,139.70	6,290.14	5,154.24	7,231.26	76,847	
Club Rental	340.00	260.00	100.00	125.00	275.00	150.00	475.00	450.00	470.00	425.00	375.00	213.86	3,659	
Sales of Merchandise	8,480.22	10,003.82	11,483.44	6,450.19	12,081.93	12,342.40	12,562.48	12,120.38	14,895.60	13,280.56	7,315.30	11,177.14	132,193	
Concession Fees	3,607.96	2,907.70	2,282.52	1,852.88	2,529.79	3,058.07	4,267.45	4,599.10	3,209.21	5,744.57	2,244.09	3,790.50	40,094	
Miscellaneous Fees	60.00	722.47	219.00	5,601.50	1,621.00	1,773.00	1,123.32	540.00	345.00	300.00	390.00	225.00	12,920	
Total Income	\$117,731.59	\$103,172.09	\$78,001.19	\$67,713.43	\$95,036.13	\$95,806.14	\$131,996.56	\$138,192.35	\$116,176.10	\$119,560.42	\$77,886.82	\$119,171.90	\$1,260,444.72	
Weather Totals	2 W	5 W/1CM/1H	4 W/2RO/1H	3 W/7RO	6W/1CM/1RO	3W/5RO/1CM	2W/1CM/3RO	3W/1CM	4W/1CM/2RO	4W/1RO/2CM	6W / 5RO	4W/2RO	46W/28RO/8CM/2H	
							10 TT				Harvey		10 TT	
Income Per Round	\$35.08	\$35.94	\$33.95	\$34.64	\$36.55	\$32.91	\$34.57	\$33.71	\$33.83	\$34.61	\$32.64	\$32.21	\$34.17	
FY 2015 - 2016														
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals	
Rounds played	2,839	2,010	1,964	2,015	2,397	2,561	2,433	2,911	2,591	3,012	1,874	2,215	28,822	
Tournament Rounds	89	73	33		154	57	428	571	672	428	430	458	3,393	
Range buckets	1,045	528	626	857	1,195	1,224	1,152	1,354	1,444	1,484	922	1,132	12,963	
Star Memberships	2,320.00	1,840.00	2,160.00	2,720.00	3,200.00	2,880.00	3,120.00	3,195.00	4,105.00	4,720.00	1,680.00	2,765.00	34,705	
Green Fees	81,461.98	58,415.91	56,870.74	61,260.67	71,371.18	78,811.81	77,316.60	88,465.87	74,355.72	88,449.72	49,618.51	60,651.53	847,050	
Tournament Fees	3,507.47	3,480.00	1,600.50		5,307.31	2,457.42	13,699.36	17,393.71	19,728.37	13,160.39	12,453.56	13,837.02	106,625	
Range Fees	6,099.17	3,205.02	3,985.47	4,891.36	7,045.93	6,953.50	7,080.21	6,496.23	6,269.88	7,647.03	4,584.13	6,253.36	70,511	
Sales of Merchandise	5,520.79	4,143.21	4,484.56	3,588.10	4,733.45	7,385.19	7,318.89	7,988.63	10,044.66	11,428.74	8,048.85	7,391.68	82,077	
Concession Fees	3,615.16	2,390.07	2,115.33	2,117.89	2,454.64	2,951.94	3,371.51	4,035.94	3,650.00	3,548.87	2,127.83	2,529.94	34,909	
Miscellaneous Income	3,946.41	1,958.57	2,801.66	1,458.15	3,350.88	2,642.18	797.99	75.00	625.00	4,181.00	165.00	45.00	22,047	
Total Income	\$106,470.98	\$75,432.78	\$74,018.26	\$76,036.17	\$97,463.39	\$104,082.04	\$112,704.56	\$127,650.38	\$118,778.63	\$133,135.75	\$78,677.88	\$93,473.53	\$1,197,924.35	
Weather Totals	5 rain	7 rain/1 closed	8 rain/1 closed	6 rain	3 rain	5 rain	6 rain/2 closed	1 A/1 RO/5 rain	1 RO/ 6 rain	2 rain	2 RO / 12 rain	5 rain	74 R / 1 A / 4 closed	
Income Per Round	\$35.57	\$35.33	\$35.98	\$36.39	\$36.95	\$38.66	\$38.30	\$35.74	\$35.14	\$37.33	\$33.42	\$33.94	\$36.11	
FY 2014 - 2015														
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals	
Rounds played	3,309	2,227	1,938	1,741	1,857	2,353	2,787	2,175	2,559	3,101	2,683	2,788	29,518	
Tournament Rounds	282	72	9	82	88	122	86	427	282	24	150	40	1,664	
Range buckets	1,205	641	514	662	828	747	1,054	570	828	1,119	1,022	1,038	10,228	
Star Memberships	2,800.00	1,440.00	2,480.00	3,200.00	3,280.00	3,760.00	4,560.00	4,160.00	5,040.00	5,280.00	3,040.00	3,630.00	42,670	
Green Fees	93,432.44	65,090.39	52,482.91	50,493.14	55,649.84	67,830.42	82,135.12	69,453.93	73,951.39	89,770.24	79,091.67	82,386.10	861,768	
Tournament Fees	11,123.00	2,937.00	387.00	3,529.00	3,129.71	4,620.00	4,300.00	13,300.96	8,646.00	1,212.00	5,491.00	2,000.00	60,676	
Range Fees	7,330.62	3,963.32	3,113.21	3,748.13	5,169.54	4,715.30	6,622.06	3,757.32	5,067.31	6,489.92	5,983.85	6,385.83	62,346	
Sales of Merchandise	7,737.66	6,531.42	5,201.81	3,940.79	3,821.79	5,315.21	6,723.45	6,429.09	7,312.73	6,651.59	6,020.07	8,047.46	73,733	
Concession Fees	5,320.35	2,303.14	1,699.47	1,673.08	2,006.87	2,573.29	3,161.08	3,508.66	2,945.26	3,050.58	2,780.99	2,863.49	33,886	

Jersey Meadow Golf Course
Monthly Report

Miscellaneous Income	6,978.24	1,694.18	3,203.26	2,857.26	3,025.80	2,979.57	3,634.69	3,312.38	5,031.37	9,249.57	3,373.41	6,628.33	51,968
Total Income	\$134,722.31	\$83,959.45	\$68,567.66	\$69,441.40	\$76,083.55	\$91,793.79	\$111,136.40	\$103,922.34	\$107,994.06	\$121,703.90	\$105,780.99	\$111,941.21	\$1,187,047.06
Weather Totals	3 rain	8 rain/1 closed	8 rain/1 closed	15 weather days	8 weather days	9 rain	8 rain	14 rain	7 rain	1 rain	4 rain	8 rain	93/2
Income Per Round	\$36.74	\$35.89	\$33.94	\$36.34	\$37.43	\$35.57	\$37.10	\$38.34	\$36.24	\$37.26	\$36.27	\$38.30	\$36.70

Jersey Meadow Golf Course
Monthly Report

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

FY 2013 - 2014													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2,915	2,352	2,125	2,234	2,158	2,914	3,457	3,175	3,344	3,457	3,350	2,749	34,230
Tournament Rounds	178	75	0	30	30	95	246	363	203	13	17	44	1,294
Range buckets	1,088	698	720	912	900	842	1,506	1,307	1,212	1,018	1,024	901	12,128
Star Memberships	3,120.00	4,390.00	3,330.00	6,640.00	3,840.00	5,120.00	4,240.00	4,710.00	7,310.00	3,440.00	3,440.00	3,280.00	52,860
Green Fees	78,645.99	63,957.07	54,503.69	59,507.83	61,185.05	83,182.58	100,859.16	89,579.55	95,691.73	97,238.07	97,159.65	76,287.19	957,798
Tournament Fees	6,989.00	2,680.43	0.00	1,316.00	1,209.00	2,534.96	9,242.34	12,779.32	7,574.00	585.00	765.00	1,778.00	47,453
Range Fees	6,647.62	4,336.49	4,162.33	5,026.01	5,483.68	5,532.44	9,420.71	8,235.84	7,269.11	6,702.15	6,660.53	5,748.74	75,226
Sales of Merchandise	6,732.73	4,941.18	4,868.91	3,557.24	4,717.04	7,505.23	9,270.66	8,478.68	7,672.13	7,363.93	7,248.10	5,954.23	78,310
Concession Fees	4,015.08	2,590.27	1,934.64	2,341.60	2,520.77	3,237.75	4,575.36	4,251.76	4,177.83	3,535.74	3,767.37	3,083.69	40,032
Miscellaneous Income	6,106.08	3,660.45	5,745.04	3,590.43	3,913.54	6,608.67	8,326.80	7,177.72	7,189.39	10,967.77	8,019.90	6,743.05	78,049
Total Income	\$112,256.50	\$86,555.89	\$74,544.61	\$81,979.11	\$82,869.08	\$113,721.63	\$145,935.03	\$135,212.87	\$136,884.19	\$129,832.66	\$127,060.55	\$102,874.90	\$1,329,727.02
Weather Totals	6 rain	8 rain/1 closed	10 rain/1 closed	9 rain & freeze	12 weather days	8 rain/ice	2 rain	6 rain	6 rain	4 Rain	3 rain	7 rain	81/2
Income Per Round	\$35.28	\$33.85	\$33.51	\$33.28	\$36.12	\$36.09	\$38.26	\$36.89	\$36.53	\$36.42	\$36.72	\$35.66	\$35.94
FY 2012 - 2013													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,018	2,701	2,244	1,888	2,550	3,207	2,986	3,685	3,335	3,481	3,654	2,915	35,664
Tournament Rounds	252	138	0	156	92	179	440	90	350	0	82	40	1,819
Range buckets	1,225	1,124	943	806	1,180	1,569	1,345	1,471	1,206	1,262	1,355	1,008	14,494
Star Memberships	4,350.00	4,050.00	4,230.00	4,880.00	3,660.00	6,850.00	4,510.00	5,280.00	6,030.00	4,150.00	4,640.00	3,455.00	56,085
Green Fees	86,691.45	77,195.74	66,045.80	50,321.20	74,964.54	94,102.73	89,278.09	100,813.49	94,131.86	98,224.36	100,669.60	78,876.70	1,011,316
Tournament Fees	8,655.62	5,338.38	0.00	4,745.00	2,760.00	2,766.50	15,348.30	3,910.50	12,267.00	0.00	3,755.00	1,350.00	60,896
Range Fees	5,976.93	5,252.15	4,365.00	4,511.84	6,538.66	8,935.26	7,721.35	8,554.73	7,279.42	6,721.38	7,694.45	5,895.41	79,447
Sales of Merchandise	8,211.11	6,279.45	5,291.47	5,096.26	7,156.90	6,303.31	7,527.24	9,687.40	8,406.51	7,139.90	8,140.62	6,834.45	86,075
Concession Fees	4,346.28	3,229.36	2,428.81	2,219.61	2,973.60	3,707.31	4,715.23	4,243.94	4,231.43	3,478.68	3,953.92	3,033.14	42,561
Miscellaneous Income	8,632.04	7,495.90	5,620.06	5,243.28	4,711.82	7,607.33	7,745.64	10,292.53	8,570.49	10,133.72	10,472.34	6,591.64	93,117
Total Income	\$126,863.43	\$108,840.98	\$87,981.14	\$77,017.19	\$102,765.52	\$130,272.44	\$136,845.85	\$142,782.59	\$140,916.71	\$129,848.04	\$139,325.93	\$106,036.34	\$1,429,496.16
Weather Totals	1 rain	2 rain/1 closed	6 rain/1 closed	11 rain	6 rain	1 rain	5 rain	3 rain/2 maint.	1 rain	8 rain	3 rain	4 rain	51/4
Income Per Round	\$37.47	\$36.91	\$37.32	\$35.29	\$37.51	\$36.45	\$38.63	\$36.42	\$36.60	\$36.11	\$36.05	\$34.71	\$36.64
FY 2011 - 2012													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,197	2,584	2,384	2,523	1,930	3,094	3,742	3,759	3,335	3,037	3,316	3,149	36,050
Tournament Rounds	252	220	0	71	119	58	456	311	301	115	21	109	2,033
Range buckets	1,348	1,116	979	1,137	689	1,472	1,821	1,605	1,467	927	1,191	1,227	14,979
Star Memberships	3,450.00	2,850.00	3,420.00	4,720.00	3,215.00	5,015.00	6,740.00	5,690.00	4,950.00	3,890.00	4,847.00	3,675.00	52,462
Green Fees	86,961.06	75,789.86	66,383.52	70,031.71	49,635.21	86,204.47	109,812.57	101,462.44	96,117.30	84,902.59	89,724.88	87,838.57	1,004,864
Tournament Fees	6,976.00	8,911.01	0.00	2,125.00	3,870.00	2,446.00	16,031.00	12,603.07	10,326.00	4,672.24	882.00	3,847.00	72,689
Range Fees	6,802.86	5,318.24	4,844.98	5,507.43	3,280.61	7,335.68	9,617.08	7,870.86	7,048.26	5,095.15	5,629.80	6,001.17	74,352
Sales of Merchandise	7,610.47	6,144.44	8,357.47	5,799.85	5,647.97	8,602.16	13,579.42	15,595.32	11,351.62	9,054.05	8,974.84	7,509.52	108,227

Jersey Meadow Golf Course
Monthly Report

Concession Fees	3,829.49	2,640.15	2,549.98	2,739.64	1,954.47	3,838.73	5,659.13	5,245.18	4,728.65	3,673.72	3,812.72	4,014.84	44,687
Miscellaneous Income	7,053.00	6,609.23	8,529.79	7,177.18	8,492.85	9,448.03	10,858.82	11,964.72	14,350.84	8,464.58	10,883.66	10,891.51	114,724
Total Income	\$122,682.88	\$108,262.93	\$94,085.74	\$98,100.81	\$76,096.11	\$122,890.07	\$172,298.02	\$160,431.59	\$148,872.67	\$119,752.33	\$124,754.90	\$123,777.61	\$1,472,005.66
Weather Totals	1 rain	4 rain/1 closed	7 rain/1 closed	6 rain	8 rain	8 rain	3 rain	2 rain/2 maint.	4 rain	10 rain	3 rain	6 rain	62/4
Income Per Round	\$34.57	\$37.59	\$38.03	\$36.00	\$35.57	\$37.40	\$39.44	\$38.02	\$39.58	\$36.76	\$35.93	\$36.86	\$37.27

Jersey Meadow Golf Course
Monthly Report

FY 2010 - 2011													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,643	2,534.00	2,366.00	2,179.00	2,297.00	3,312.00	3,522.00	3,690.00	3,179.00	3,526	3,029	3,338	36,615
Tournament Rounds	294	68	20	22	77	176	468	193	273	0	30	63	1,684
Range buckets	1,510	1,058	916	888	1274	1876	2048	1770	1257	1,472	1,083	1,135	16,287
Star Memberships	3075.00	2952.50	3835.00	2320.00	3520.00	3860.00	6380.00	6930.00	5710.00	4695.00	4460.00	3375.00	51,113
Green Fees	101,562.24	67,761.92	64,035.46	61,557.60	65,186.16	91,510.28	102,436.44	105,157.54	88,722.13	100,567.92	79,639.48	92,029.90	1,020,167
Tournament Fees	9,094.00	2,664.00	600.00	880.00	2,545.00	6,039.00	17,102.50	7,620.00	9,933.00	0.00	1,330.50	3,087.00	60,895
Range Fees	7,443.85	5,011.14	4,410.23	4,189.24	5,695.23	8,978.85	10,252.89	8,390.40	6,227.00	6,703.44	5,361.79	5,459.55	78,124
Sales of Merchandise	6,734.53	4,917.85	6,226.12	4,002.56	4,432.63	7,361.35	9,508.45	9,991.97	8,419.59	7,303.99	6,060.27	6,186.80	81,146
Concession Fees	3,581.73	1,901.35	1,982.47	1,769.18	1,796.90	3,822.67	4,904.61	4,531.72	3,851.24	3,425.06	2,734.75	3,382.25	37,684
Miscellaneous Income	7,687.65	5,445.04	6,054.75	3,064.49	3,199.22	6,996.28	8,449.28	10,103.68	13,433.44	8,449.96	7,207.17	8,411.14	88,502
Total Income	\$139,179.00	\$90,653.80	\$87,144.03	\$77,783.07	\$86,375.14	\$128,568.43	\$159,034.17	\$152,725.31	\$136,296.40	\$131,145.37	\$106,793.96	\$121,931.64	\$1,417,630.32
Weather Totals	0 rain	5 rain/1 closed	6 rain/2 closed	16 rain	7 rain/freeze	3 rain/close	0 rain	1 rain	1 rain	5 rain	0 rain	4 rain	48/3
Income Per Round	\$34.57	\$33.71	\$34.92	\$34.29	\$34.90	\$35.75	\$38.26	\$37.55	\$37.83	\$35.86	\$33.45	\$34.86	\$35.68
FY 2009 - 2010													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2,787	2,676	1,560	1,793	1,627	2,733	3,109	3,650	3,115	2,694	3,108	2,819	31,671
Tournament Rounds	176	56	18	50	39	210	630	318	191	106	224	140	2,158
Range buckets	774	1,042	403	577	732	1294	1704	1732	1117	743	1,176	1,028	12,322
Star Memberships	2700.00	2850.00	2325.00	2960.00	3035.00	4750.00	5025.00	5805.00	5885.00	3555.00	4535.00	2805.00	46,230
Green Fees	78,163.14	72,799.20	43,991.37	47,155.91	42,930.20	71,732.46	84,216.76	101,977.53	83,465.56	76,115.18	82,571.47	76,588.52	861,707
Tournament Fees	6,126.00	2,824.80	444.78	2,135.00	1,642.00	6,486.04	21,182.46	11,408.00	6,786.00	2,475.00	5,375.00	4,874.24	71,759
Range Fees	4,345.85	5,197.37	1,815.11	2,687.57	3,608.29	6,477.58	8,578.17	9,026.51	5,391.05	3,714.83	6,032.45	5,152.87	62,028
Sales of Merchandise	4,941.78	5,032.06	5,025.00	5,026.29	3,846.26	7,538.45	10,722.17	10,200.46	7,924.24	7,138.28	8,416.68	6,215.64	82,027
Concession Fees	2,803.45	2,170.75	1,164.27	1,396.99	1,314.78	2,360.74	3,573.23	3,373.94	2,942.60	2,415.79	2,542.38	2,559.23	28,618
Miscellaneous Income	4,127.54	5,618.95	4,115.81	4,023.44	3,989.91	7,178.92	8,167.90	10,002.32	14,955.42	7,893.33	9,647.04	7,796.88	87,517
Total Income	\$103,207.76	\$96,493.13	\$58,881.34	\$65,385.20	\$60,366.44	\$106,524.19	\$141,465.69	\$151,793.76	\$127,349.87	\$103,307.41	\$119,120.02	\$105,992.38	\$1,239,887.19
Weather Totals	12 rain	4 rain/1 closed	16rain/1 closed	12 rain&freeze	9 rain	5 rain	5 rain	3 rain	6 rain	14 rain	3 rain	7 rain	96/2
Income Per Round	\$33.92	\$34.28	\$35.84	\$33.87	\$34.41	\$34.58	\$36.49	\$36.79	\$36.74	\$35.63	\$34.39	\$34.87	\$35.29
FY 2008 - 2009													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,073	2,824	2,263	2,903	2,765	3,064	3,454	4,292	3,705	3,492	3,553	2,971	38,359
Tournament Rounds	436	217	40	59	166	172	253	621	222	90	182	274	2,732
Range buckets	1,473	1,336	896	1501	1283	1482	1808	2449	1747	1,442	1,568	1,234	18,219
Star Memberships	3,675.00	2,175.00	2,850.00	3,300.00	3,375.00	2,625.00	4,725.00	5,600.00	4,875.00	4,275.00	3,900.00	3,375.00	44,750
Green Fees	85,378.23	81,782.92	63,107.88	85,114.72	75,556.66	83,037.88	98,381.09	118,199.30	101,442.89	92,519.10	97,926.16	79,959.42	1,062,406
Tournament Fees	16,915.15	8,620.00	1,734.00	1,618.25	5,782.56	5,966.00	7,105.22	24,132.78	9,199.52	3,574.37	3,384.00	11,096.02	99,128
Range Fees	7,543.82	6,492.82	4,726.70	7,260.72	6,467.39	7,234.18	9,423.98	12,183.42	8,925.09	7,124.29	8,068.39	6,298.10	91,749
Sales of Merchandise	7,680.45	5,845.06	5,749.02	6,175.08	7,378.24	7,647.01	8,649.23	9,469.04	9,003.92	7,768.97	8,691.51	6,723.18	90,781

Jersey Meadow Golf Course
Monthly Report

Concession Fees	3,646.01	2,257.19	1,771.73	2,303.93	2,331.45	2,416.99	3,417.68	4,094.73	3,271.77	3,054.93	2,968.04	2,587.46	34,122
Miscellaneous Income	9,671.94	7,325.63	7,825.08	7,667.00	9,325.27	6,641.10	7,269.75	10,287.23	14,040.61	12,834.43	10,524.28	7,107.67	110,520
Total Income	\$134,510.60	\$114,498.62	\$87,764.41	\$113,439.70	\$110,216.57	\$115,568.16	\$138,971.95	\$183,966.50	\$150,758.80	\$131,151.09	\$135,462.38	\$117,146.85	\$1,533,455.63
Weather Totals	4 rain	3 rain/1 closed	5 rain/1 closed	3 rain	4 rain	9 rain	5 rain	0 rain	1 rain	4 rain	3 rain	7 rain	48/2
Income Per Round	\$37.29	\$36.94	\$36.87	\$37.18	\$36.45	\$34.90	\$36.21	\$36.31	\$37.15	\$35.42	\$35.22	\$35.06	\$36.23

Jersey Meadow Golf Course
Monthly Report

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

FY 2007 - 2008													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,192	2,480	2,736	2,093	2,660	3,294	3,571	3,931	3,740	3,937	3,454	2,602	37,690
Tournament Rounds	671	239	52	14	136	92	633	403	236	25	22		2,523
Range buckets	1,319	1,048	1046	670	1139	1692	2003	1847	1599	1,598	1,235	1,143	16,339
Star Memberships	1,125.00	1,550.00	1,725.00	2,325.00	3,450.00	7,350.00	3,300.00	5,100.00	6,125.00	7,275.00	4,725.00	3,200.00	47,250
Green Fees	85,660.56	66,972.27	79,060.69	60,368.18	75,060.02	96,735.43	98,765.00	112,642.50	104,126.56	105,197.39	97,231.84	74,327.25	1,056,148
Tournament Fees	20,010.12	8,577.00	1,944.01	626.00	4,597.00	3,000.95	19,915.27	14,606.25	8,681.00	808.25	1,249.00		84,015
Range Fees	6,998.33	5,620.11	5,594.84	3,316.53	5,701.59	8,831.93	10,254.45	10,181.57	8,019.81	7,948.89	6,211.84	5,264.15	83,944
Sales of Merchandise	6,323.97	6,795.17	7,157.44	4,211.03	5,220.90	8,454.32	8,533.52	10,289.47	9,891.12	8,167.06	8,573.44	4,885.10	88,503
Concession Fees	2,720.64	2,116.80	1,881.42	1,429.58	2,044.44	2,845.78	3,576.02	4,247.24	3,361.53	3,120.31	3,078.02	2,131.87	32,554
Miscellaneous Income	3,649.17	3,294.29	2,554.38	2,735.65	4,626.10	4,846.64	11,084.79	12,245.83	14,991.62	10,154.55	10,227.21	6,841.60	87,252
Total Income	\$126,487.79	\$94,925.64	\$99,917.78	\$75,011.97	\$100,700.05	\$132,065.05	\$155,429.05	\$169,312.86	\$155,196.64	\$142,671.45	\$131,296.35	\$96,649.97	\$1,479,664.60
Weather Totals	4 rain	4 rain/1 closed	5 rain/1 closed	9 rain	5 rain	5 rain	1 rain	2 rain	8 rain	6 rain	10 rain	6 closed-lke	65/2
Income Per Round	\$32.45	\$34.34	\$35.22	\$34.50	\$34.78	\$36.83	\$36.19	\$37.89	\$37.49	\$34.17	\$36.41	\$35.91	\$35.62
FY 2006 - 2007													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	2,568	2,743	2,148	1,634	2,112	2,933	3,492	3,239	2,647	2,625	2,954	2,977	32,072
Tournament Rounds	831	241			78	167	365	163	506	17	83	354	2,805
Range buckets	852	1,017	619	328	632	1329	1282	1032	828	573	963	1,334	10,789
Star Memberships	825.00	1,125.00	900.00	1,200.00	2,025.00	2,550.00	2,025.00	2,025.00	2,700.00	1,925.00	1,950.00	2,850.00	22,100
Green Fees	75,052.08	77,054.99	61,958.41	46,047.63	56,727.00	82,002.01	99,339.96	89,832.90	74,158.69	70,256.48	77,765.35	86,213.98	896,409
Tournament Fees	26,126.45	8,229.66			2,340.00	5,984.52	12,937.27	5,764.00	18,891.57	544.00	2,336.64	15,028.00	98,182
Range Fees	4,486.00	5,059.11	2,966.69	1,641.14	3,305.97	6,574.96	6,450.73	5,493.95	4,170.50	2,964.69	4,660.35	6,313.05	54,087
Sales of Merchandise	5,756.99	6,144.51	4,545.42	2,018.11	4,485.95	7,001.69	6,762.30	7,439.75	7,492.20	5,128.58	6,279.02	5,522.72	68,577
Concession Fees	2,753.47	1,831.77	849.49	837.97	1,471.62	2,361.81	3,116.86	2,325.47	2,603.71	1,741.09	2,161.42	2,346.82	24,402
Miscellaneous Income	2,861.56	2,584.60	3,755.19	2,290.00	2,423.00	3,468.25	5,474.79	5,195.82	5,667.66	9,645.66	4,445.60	4,146.88	51,959
Total Income	\$117,861.55	\$102,029.64	\$74,975.20	\$54,034.85	\$72,778.54	\$109,943.24	\$136,106.91	\$118,076.89	\$115,684.33	\$92,205.50	\$99,598.38	\$122,421.45	\$1,215,716.48
Weather Totals				15 rain/cold	6 rain/cold	5 rain	3 rain	9 rain	12 rain	15 rain	4 rain	1 rain	
Income Per Round	\$34.43	\$33.82	\$34.49	\$32.33	\$32.31	\$34.64	\$34.76	\$34.11	\$35.83	\$34.17	\$32.15	\$35.90	\$34.22
FY 2005 - 2006													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,071	2,326	2,455	2,571	2,094	3,000	3,817	3,241	2,760	2,838	3,056	3,060	34,289
Tournament Rounds	342	372	122	14	123	275	216	303	254	214	107	273	2,615
Range Buckets	1,348	854	1,032	863	754	1,468	1,666	1,125	915	958	1,123	1,143	13,249
Star Memberships	825.00	750.00	525.00	1,950.00	975.00	1,500.00	1,598.00	945.00	1,785.00	2,250.00	750.00	1,095.00	14,948
Green Fees	83,308.78	64,013.19	68,822.00	67,352.18	54,583.70	78,298.53	106,519.47	83,888.84	74,680.30	78,797.17	77,376.73	81,821.30	919,462
Tournament Fees	11,166.20	11,292.59	4,058.00	623.00	5,168.84	8,581.15	7,073.12	8,324.82	6,950.00	5,527.00	3,878.00	10,384.78	83,028
Range Fees	6,370.11	4,580.34	5,192.32	4,300.89	3,572.44	6,376.90	7,462.75	5,430.79	4,506.92	4,860.93	5,547.94	5,670.09	63,872
Sales of Merchandise	6,352.08	4,710.74	5,973.00	5,587.32	4,895.17	5,634.42	7,388.88	6,373.86	6,177.10	5,357.32	6,436.83	6,133.67	71,020

Jersey Meadow Golf Course
Monthly Report

Concession Fees	2,790.10	1,842.23	1,655.27	1,581.45	1,144.16	1,846.17	2,892.01	2,455.09	2,292.43	1,865.99	2,056.32	2,395.12	24,816
Miscellaneous Income	1,592.00	3,000.28	1,843.00	1,676.00	1,660.18	1,954.00	6,361.74	8,579.88	5,424.63	5,062.01	4,973.97	2,453.64	44,581
Total Income	\$112,404.27	\$90,189.37	\$88,068.59	\$83,070.84	\$71,999.49	\$104,191.17	\$139,295.97	\$115,998.28	\$101,816.38	\$103,720.42	\$101,019.79	\$109,953.60	\$1,221,728.17
Weather Totals													
Income Per Round	\$32.69	\$33.15	\$33.97	\$31.38	\$32.04	\$31.36	\$34.14	\$32.46	\$33.19	\$33.25	\$31.70	\$32.66	\$32.70

Jersey Meadow Golf Course
Monthly Report

FY 2004 - 2005													
	October	November	December	January	February	March	April	May	June	July	August	September	YTD Totals
Rounds played	3,118	2,006	2,531	2,293	1,589	2,474	3,064	2,758	2,956	2,912	2,893	2,488	31,082
Tournament Rounds	277	106	70	3	36	150	277	408	263	57	60	110	1,817
Range buckets	0	665	1163	891	476	1101	1550	1293	1226	748	1,068	852	11,033
Star Memberships	480.00	0.00	675.00	2,181.00	675.00	2,100.00	2,850.00	1,950.00	1,725.00	1,500.00	1,425.00	1,050.00	16,611
Green Fees	74,189.66	51,783.51	62,571.20	59,311.24	41,562.60	66,557.58	85,036.07	71,311.04	74,745.97	77,384.45	71,587.00	62,165.00	798,205
Tournament Fees	12,244.20	4,070.00	2,690.00	350.00	1,362.23	4,532.00	8,260.76	13,663.66	9,030.60	2,289.01	2,365.00	4,048.00	64,905
Range Fees	360.00	2,817.98	3,872.64	3,668.49	2,028.03	4,701.63	6,928.84	6,292.07	6,066.74	3,544.83	4,894.00	4,313.66	49,489
Sales of Merchandise	4,790.63	2,674.76	6,274.93	4,686.93	3,987.02	5,930.59	8,513.16	6,768.94	6,379.57	8,554.90	6,392.00	4,394.00	69,347
Concession Fees	2,886.22	3,589.83			916.00	1,535.00	2,196.04	2,163.80	2,638.75	2,088.86	2,074.00	1,650.00	21,739
Miscellaneous Income	180.00	60.00	1,401.00	930.00	727.00	1,408.00	2,183.09	2,724.00	6,716.64	3,941.67	4,276.00	12,914.17	37,462
Total Income	\$95,130.71	\$64,996.08	\$77,484.77	\$71,127.66	\$51,257.88	\$86,764.80	\$115,967.96	\$104,873.51	\$107,303.27	\$99,303.72	\$93,013.00	\$90,534.83	\$1,057,758.19
Weather Totals						10 R; 20 S	2R; 28 S	3R; 28S	30S; No R	12R; 19 S	7R; 25 S	4R; 26S	
Income Per Round	\$27.88	\$30.77	\$29.53	\$30.03	\$31.13	\$32.27	\$33.86	\$32.51	\$32.80	\$32.94	\$31.02	\$34.44	\$31.65
FY 2003 - 2004													
	October	November	December	January	February	March	April	May	June	July	August	September	Totals
Rounds played	2,838	2,605	2,735	2,186	1,829	2,824	3,261	3,203	1,952	0	0	3,841	27,274
Tournament Rounds	582	317	12	29	240	140	370	153	82	32	0	537	1,912
Range buckets	1,247	1124	1015	614	512	903	1746	1431	576	0	0	0	9,168
Star Memberships	880.00	485.00	617.00	2,840.00	1,620.00	2,485.00	2,810.00	1,670.00	50.00	0.00	0.00	1,220.00	\$14,677.00
Green Fees	70,103.87	65,595.91	64,691.42	52,796.04	43,975.88	66,495.18	81,103.98	82,362.52	25,167.00	0.00	0.00	77,631.05	629,922.85
Tournament Fees	18,430.40	10,762.40	464.40	1,015.00	2,747.00	3,595.00	3,718.50	5,235.00	2,912.21	2,956.16	0.00	11,150.00	62,986.07
Range Fees	4,026.35	3,865.34	3,230.29	2,270.18	1,911.88	3,048.27	6,152.89	5,249.27	1,827.36	0.00	0.00	175.00	31,756.83
Sales of Merchandise	5,129.89	4,224.64	7,198.84	4,165.57	4,035.75	5,954.69	7,510.77	5,908.66	4,261.91	424.55	0.00	6,037.47	54,852.74
Concession Fees	2,013.15	3,492.29	2,560.00	1,977.00	1,731.20	1,740.36	2,485.45	2,965.09	3,108.38	0.00	0.00	81.92	22,154.84
Miscellaneous Income	2,240.00	1,920.00	1,323.00	1,275.00	1,640.00	840.82	499.00	953.00	3,285.75	250.00	0.00	192.00	14,418.57
Total Income	\$102,823.66	\$90,345.58	\$80,084.95	\$66,338.79	\$57,661.71	\$84,159.32	\$104,280.59	\$104,343.54	\$40,612.61	\$3,630.71	\$0.00	\$96,487.44	\$830,768.90
Income Per Round	\$29.81	\$30.75	\$28.93	\$28.67	\$27.09	\$27.56	\$27.95	\$30.59	\$19.94	\$0.00	\$0.00	\$21.76	\$27.96
FY 2002 - 2003													
	October	November	December	January	February	March	April	May	June	July	August	September	Totals
Rounds played	2,637	3,056	2,275	2,460	1,777	3,199	3,900	4,354	3,915	3,647	3,280	2,557	37,057
Tournament Rounds	0	159	0	0	188	138	66	287	62	59	17	248	1,224
Range buckets	843	1084	861	752	415	1256	2003	1941	1532	1,500	1,529	1,232	14,948
Star Memberships	400.00	300.00	1,115.00	7,465.00	3,578.00	4,420.00	5,205.00	3,990.00	2,610.00	1,895.00	1,790.00	805.00	\$33,573.00
Green Fees	59,060.50	83,865.33	59,280.09	57,262.20	41,843.58	76,659.46	100,788.23	107,607.15	95,050.74	82,944.99	78,205.60	59,952.70	902,520.57
Tournament Fees	10,519.97	5,164.20	0.00	0.00	2,598.97	4,602.65	1,840.00	10,473.00	1,550.00	2,130.00	595.00	8,425.00	47,898.79
Range Fees	2,136.97	3,105.58	2,242.99	2,007.38	990.85	3,100.81	5,061.68	4,843.09	3,583.54	3,625.44	5,109.22	3,918.18	39,725.73
Sales of Merchandise	4,852.77	5,794.15	4,434.45	2,578.44	2,578.83	5,989.11	6,515.03	7,535.29	5,503.11	5,638.05	5,540.26	3,653.07	60,612.56
Concession Fees	3,692.00	3,146.00	2,056.00	2,079.00	1,494.00	2,970.00	2,969.95	3,999.34	5,224.34	3,331.06	3,097.78	2,473.09	36,532.56
Miscellaneous Income	1,650.00	1,860.00	2,265.00	1,419.00	1,695.00	2,130.00	2,550.00	2,805.00	6,380.00	6,588.00	2,295.00	2,160.00	33,797.00

Jersey Meadow Golf Course
Monthly Report

Total Income	\$82,312.21	\$103,235.26	\$71,393.53	\$72,811.02	\$54,779.23	\$99,872.03	\$124,929.89	\$141,252.87	\$119,901.73	\$106,152.54	\$96,632.86	\$81,387.04	\$1,154,660.21
Income Per Round	\$31.06	\$32.02	\$30.89	\$26.56	\$26.06	\$28.60	\$30.19	\$29.58	\$29.49	\$28.13	\$28.77	\$28.73	\$29.29

Jersey Meadow Golf Course
Monthly Report

FY 2001 - 2002													
	October	November	December	January	February	March	April	May	June	July	August	September	Totals
Rounds played	3,203	3,061	2,774	2,800	2,969	3,734	4,385	4,735	4,182	4,139	3,580	3,592	43,154
Tournament Rounds													
Range buckets	1,388	1,374	844	1,261	1,316	1,897	2,131	2,143	1,818	1,813	1,506	1,476	18,967
Star Memberships				3,075.00	1,650.00	2,275.00	1,725.00	1,125.00	725.00	550.00	775.00	950.00	\$12,850.00
Green Fees/Cart Fees	72,224.98	77,087.14	65,224.37	68,447.62	70,028.61	91,055.04	111,535.50	119,348.59	104,195.50	104,907.23	89,569.50	79,854.95	1,053,479.03
Tournament Fees	17,967.54	10,416.85	1,552.00	0.00	3,741.00	2,498.00	12,004.42	6,740.00	2,220.70	0.00	1,919.00	17,433.92	76,493.43
Range Fees	3,924.83	3,699.12	2,181.79	3,236.49	3,508.36	4,850.70	5,791.90	5,805.72	4,675.54	4,822.48	4,043.98	3,696.75	50,237.66
Sales of Merchandise	7,501.72	7,470.10	8,574.76	4,093.24	4,597.56	8,690.81	7,429.96	7,877.93	8,103.63	5,589.34	5,526.70	4,663.97	80,119.72
Concession Fees	4,471.00	3,728.00	2,457.00	850.00	4,046.00	3,656.00	4,778.00	4,932.00	4,636.00	4,331.00	3,382.00	2,992.00	44,259.00
Miscellaneous Income					3,348.03	10.00		2,115.00	5,080.00	1,880.00	1,860.00	3,030.00	17,323.03
Total Income	\$106,090.07	\$102,401.21	\$79,989.92	\$75,777.35	\$90,919.56	\$113,035.55	\$143,264.78	\$147,944.24	\$129,636.37	\$122,080.05	\$107,076.18	\$112,621.59	\$1,334,761.87
Income Per Round	\$33.12	\$33.45	\$28.84	\$27.37	\$30.07	\$29.66	\$32.28	\$31.01	\$30.83	\$29.36	\$29.69	\$31.09	\$30.63
FY 2000 - 2001													
	October	November	December	January	February	March	April	May	June	July	August	September	Totals
Rounds played	3,632	2,387	2,224	1,526	2,087	2,196	3,929	3,482	3,097	3,564	3,433	3,480	35,037
Tournament Rounds													
Range buckets				567	755	1,194	1,757	1,498	1,293	1,252	1,229	1,218	10,763
Green Fees/Cart Fees	100,532.00	59,091.00	57,691.00	42,849.85	53,215.20	55,637.91	108,176.93	93,704.77	79,608.10	86,599.86	76,676.57	82,458.86	\$896,242.05
Tournament Fees	19,585.00	7,087.00	6,235.00	0.00	0.00	4,107.87	9,607.00	14,018.50	332.64	792.00	2,186.00	4,023.02	67,974.03
Range Fees	6,702.00	3,778.00	3,198.00	2,365.14	3,229.47	5,533.59	7,552.85	6,458.97	5,754.22	5,431.94	4,280.78	3,776.78	58,061.74
Sales of Merchandise	19,858.00	4,548.00	5,884.00	3,055.92	2,960.74	8,316.70	9,143.74	7,896.28	7,636.53	6,951.08	8,554.69	6,491.01	91,296.69
Concession Fees	285.00	808.00	417.00	1,726.00	2,278.00	2,982.00	4,942.00	3,701.00	3,099.00	3,441.00	3,256.00	3,505.00	30,440.00
Miscellaneous Income	-571.00	3,254.00	2,407.00										
Total Income	\$146,391.00	\$78,566.00	\$75,832.00	\$49,996.91	\$61,683.41	\$76,578.07	\$139,422.52	\$125,779.52	\$96,430.49	\$103,215.88	\$94,954.04	\$100,254.67	\$1,144,014.51
Income Per Round	\$40.31	\$32.91	\$34.10	\$32.76	\$29.56	\$34.87	\$35.49	\$36.12	\$31.14	\$28.96	\$27.66	\$28.81	\$32.65
Notes: 1. October, November, December 2000 Golf Course under private management contract. City took over management January 1, 2001.													
2. Green Fees and Cart Fees combined into one fee beginning January 2002.													
3. Food and drinks contracted out to private vendor as of January 2001.													
4. Star Membership program began in January 2002.													
5. FY 2000 -2001 - records in Smith Systems Software, no printouts available and the software is offline.													
6. Concession Fees shown in time period of purchase, not when received.													
7. Income/Round: Income does not include Star Memberships; Rounds includes Rounds Played and Tournament Rounds.													
8. Miscellaneous Income includes: Cart fee, Handicap Service, Leagues, expired Gift Certificates, Miscellaneous merchandise and Junior Camp.													
9. As of April, 2016, Leagues are accounted for in Rounds played and in Green Fees.													
10. FY 2016-2017 - Line Item added: Club Rental.													
11. Abbreviations: W-weather RO-rain out CM-course maintenance TT-temporary tees H-holiday CV-COVID-19													
12. FY 2016-2017 - Miscellaneous Income changed to Miscellaneous Fees per Finance.													



Jersey Village, TX

Golf Course Monthly Financial Statements

Group Summary

For Fiscal: 2021-2022 Period Ending: 08/31/2022

Category...	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Used
Fund: 11 - GOLF COURSE FUND						
Department: 80 - 80						
85 - FEE & CHARGES FOR SERVICE	2,110,800.00	2,110,800.00	185,160.28	2,038,731.69	-72,068.31	96.60%
96 - INTEREST EARNED	150.00	150.00	744.53	1,565.12	1,415.12	1,043.71%
97 - INTERFUND ACTIVITY	237,098.86	237,098.86	0.00	0.00	-237,098.86	0.00%
Department: 80 - 80 Total:	2,348,048.86	2,348,048.86	185,904.81	2,040,296.81	-307,752.05	86.89%
Department: 81 - CLUB HOUSE						
30 - SALARIES, WAGES, & BENEFITS	532,755.26	532,755.26	42,292.77	469,349.49	63,405.77	88.10%
34 - COST OF SALES	159,500.00	159,500.00	25,414.70	209,469.23	-49,969.23	131.33%
35 - SUPPLIES	17,350.00	17,350.00	-143.97	13,108.50	4,241.50	75.53%
45 - MAINTENANCE	5,950.00	5,950.00	69.99	9,950.08	-4,000.08	167.43%
50 - SERVICES	39,000.00	39,000.00	180.00	24,786.99	14,213.01	63.56%
54 - SUNDRY	79,900.00	79,900.00	9,058.46	85,564.49	-5,664.49	107.09%
55 - PROFESSIONAL SERVICES	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00%
60 - OTHER SERVICES	20,000.00	20,000.00	0.00	21,000.52	-1,000.52	105.00%
97 - INTERFUND ACTIVITY	148,950.00	148,950.00	0.00	0.00	148,950.00	0.00%
Department: 81 - CLUB HOUSE Total:	1,006,905.26	1,006,905.26	76,871.95	833,229.30	173,675.96	82.75%
Department: 82 - COURSE MAINTENANCE						
30 - SALARIES, WAGES, & BENEFITS	640,887.88	640,887.88	37,335.87	436,082.31	204,805.57	68.04%
35 - SUPPLIES	141,200.00	141,200.00	9,732.61	131,771.66	9,428.34	93.32%
40 - MAINTENANCE--BLDGS, STRUC	4,000.00	4,000.00	0.00	1,532.00	2,468.00	38.90%
45 - MAINTENANCE	10,000.00	10,000.00	0.00	7,060.97	2,939.03	70.61%
50 - SERVICES	8,000.00	8,000.00	258.00	6,567.69	1,432.31	82.10%
54 - SUNDRY	90,500.00	90,500.00	85,583.00	460,827.40	-370,327.40	509.80%
55 - PROFESSIONAL SERVICES	3,000.00	3,000.00	0.00	1,329.80	1,670.20	44.33%
97 - INTERFUND ACTIVITY	375.00	375.00	0.00	0.00	375.00	0.00%
Department: 82 - COURSE MAINTENANCE Total:	897,962.88	897,962.88	132,909.48	1,045,171.83	-147,208.95	116.39%
Department: 83 - BUILDING MAINTENANCE						
35 - SUPPLIES	5,600.00	5,600.00	173.89	4,383.35	1,216.65	78.27%
40 - MAINTENANCE--BLDGS, STRUC	16,000.00	16,000.00	2,287.60	19,143.46	-3,143.46	119.65%
45 - MAINTENANCE	2,000.00	2,000.00	0.00	1,725.96	274.04	86.30%
50 - SERVICES	25,000.00	25,000.00	1,832.04	16,375.47	8,624.53	65.50%
55 - PROFESSIONAL SERVICES	800.00	800.00	0.00	692.00	108.00	86.50%
Department: 83 - BUILDING MAINTENANCE Total:	49,400.00	49,400.00	4,293.53	42,320.24	7,079.76	85.67%
Department: 87 - GC CAPITAL IMPROVEMENT						
70 - CAPITAL IMPROVEMENTS	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76	103.78%
Department: 87 - GC CAPITAL IMPROVEMENT Total:	63,125.00	63,125.00	1,073.48	65,510.76	-2,385.76	103.78%
Department: 88 - EQUIPMENT MAINTENANCE						
30 - SALARIES, WAGES, & BENEFITS	68,555.72	68,555.72	5,055.59	62,576.07	5,979.65	91.28%
35 - SUPPLIES	29,150.00	29,150.00	117.21	25,930.52	3,219.48	88.96%
45 - MAINTENANCE	6,000.00	6,000.00	0.00	4,545.06	1,454.94	75.75%
50 - SERVICES	500.00	500.00	0.00	0.00	500.00	0.00%
97 - INTERFUND ACTIVITY	226,450.00	226,450.00	0.00	0.00	226,450.00	0.00%
Department: 88 - EQUIPMENT MAINTENANCE Total:	330,655.72	330,655.72	5,172.80	93,051.65	237,604.07	28.14%
Fund: 11 - GOLF COURSE FUND Surplus (Deficit):	0.00	0.00	-34,416.43	-38,986.97	-38,986.97	0.00%
Report Surplus (Deficit):	0.00	0.00	-34,416.43	-38,986.97	-38,986.97	0.00%

CITY COUNCIL MEETING FOR THE MONTH OF SEPTEMBER 2022

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
11 - GOLF COURSE FUND	0.00	0.00	-34,416.43	-38,986.97	-38,986.97
Report Surplus (Deficit):	0.00	0.00	-34,416.43	-38,986.97	-38,986.97

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Golf Course Fund
For the period ended August 31, 2022

	Adopted Budget	Current Budget	YTD Actual	% of Actual compared to Budget	Projections
Revenue					
Fees & Charge for Services	2,110,800.00	2,110,800.00	2,038,731.69	96.59%	2,140,000.00
Interest Earned	150.00	150.00	1,565.12	1043.41%	2,000.00
Interfund Activity	237,098.86	237,098.86	-	0.00%	237,098.86
Miscellaneous Revenue	-	-	-	0.00%	-
Other Agency Revenue	-	-	-	0.00%	-
Total Revenue	2,348,048.86	2,348,048.86	2,040,296.81	86.89%	2,379,098.86
Expenditures					
Club House	1,006,905.26	1,006,905.26	833,229.30	82.75%	1,006,905.26
Course Maintenance	897,962.88	897,962.88	1,045,171.83	116.39%	1,100,000.00
Building Maintenance	49,400.00	49,400.00	42,320.24	85.67%	49,400.00
Capital Improvement	63,125.00	63,125.00	65,510.76	103.78%	65,600.00
Equipment Maintenance	330,655.72	330,655.72	93,051.65	28.14%	330,655.72
Total Expenditures	2,348,048.86	2,348,048.86	2,079,283.78	88.55%	2,552,560.98



Jersey Village Parks & Recreation

To: Mayor Warren and City Council

CC: Austin Bless, City Manager

From: Robert Basford, Assistant City Manager

Date: September 6, 2022

Subject: Parks & Recreation August 2022 Monthly Update

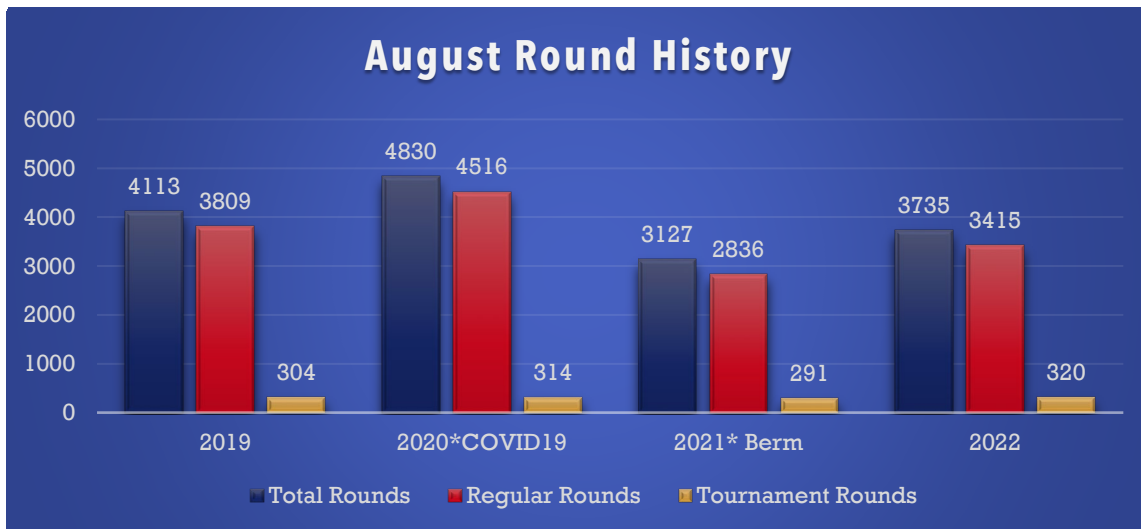
CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

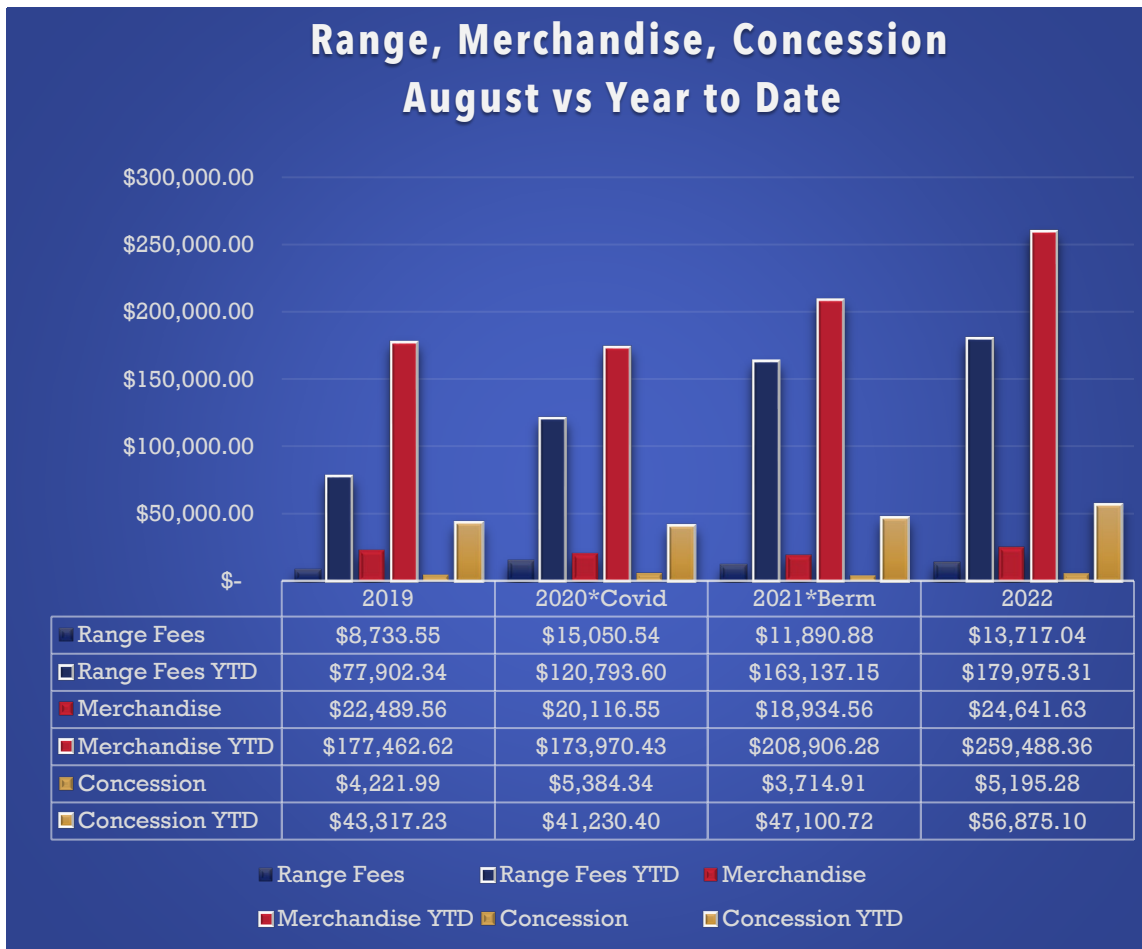
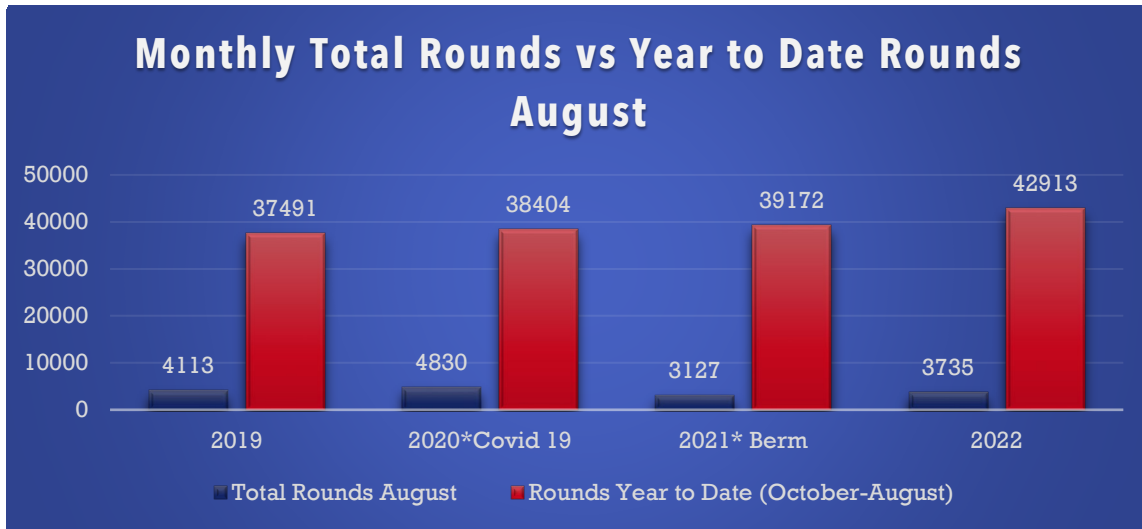
Jersey Meadow Golf Club

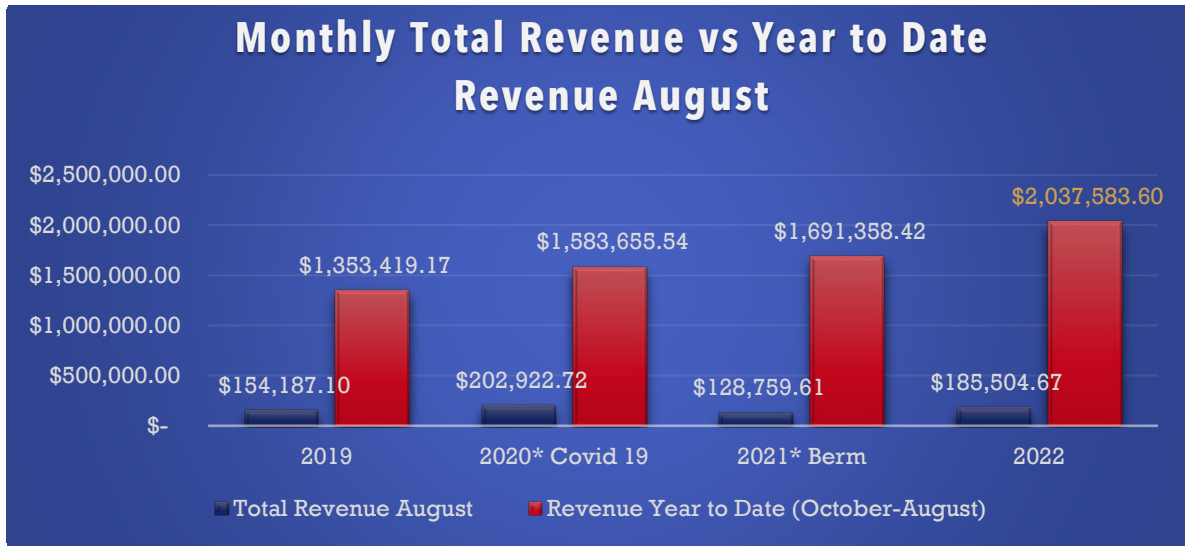
Financial Report (Monthly and Year to Date)

Monthly

For the month of August, the course recorded its second-best revenue to date. Some much-needed weather contributed to lower hours of operation and reduced revenue as well as the back-to-school rush. The course received \$124,186.22 in green fees, and \$10,794.64 in tournament fees. The course hosted 3415 rounds and 320 rounds of tournament play for a total of 3735 rounds. We held 2 course maintenance days during the month of August. Merchandise Sales totaled \$24,641.63. This month produced a total golf course monthly revenue of \$185,504.67. We have surpassed the 2-million-dollar mark for the first time ever and will surpass the 2.11 million budgeted in 11-80-85.







Clubhouse Maintenance Report

- The course maintenance team has had a productive month of August outside of the rain. Staff placed additional focus on verti-cutting the greens to reduce thatch as well as cutting at a shorter length and customers should have experienced quicker greens as a result. With the additional rain came rapid growth so staff increased their mowing routine during this month.

Parks & Recreation

Parks

- Parks staff inspected and repaired an irrigation leak at the new marquee on Senate and Seattle.
- Parks staff installed three new dog poo waste stations in the city, one is located at the entrance of Clark Henry Park. The second one is located at the corner of the bridge on the Clark Henry Hike and Bike Trail. The third dog poo waste station is located at the Jersey Drive entrance of Carol Fox.
- The Carol Fox bathroom is 90% operational. We are currently waiting on Center Point to run overhead lines and connect the meter. Once this is done, we will have power to the bathroom which will provide both interior and exterior lighting.
- Staff installed changing stations in each bathroom of Carol Fox Restroom.
- Staff removed a few trees from Philippine Park that came down in the storms.
- In addition, a big tree came down at Clark Henry Park, we have cut most of the tree cut up and are waiting for the ground to dry up so we can access the tree.
- The Cy Fair Lions Club is donating two benches, these benches are made out of recycled stretchable plastic. It takes 5 thousand pounds of plastic to make one bench. They have decided to donate both benches to the City of Jersey Village.
- We had a few ac vents in city hall that were not blowing air, we went and assessed the situation and came up with a plan to get this fixed. We noticed that the return vent duct was busted and not connected. We reconnected the pipe and the airflow was returned to the two offices that didn't have air flow.
- We installed a new drug take back box out front of the police department.

- The police department IT server room's ac was having issues staying on, we took a look at the machine and took care of the error code and not had issues since. The portable ac in that room also broke at the same time we purchased a new ac for that room and the room is the temperature it needs to be.
- Clark Henry home plates are finished up, the home plates have been dropped in and a mixture of mound clay and field conditioner has been mixed into the surrounding area around the home plate on both back fields.
- Currently waiting on a response from Playcraft systems on the wiggle worm at Clark Henry. Staff reached out a few weeks back and the consultant that was assigned to me went on vacation. We recently spoke and she requested pictures of the problem, and I sent them back to her. We are now waiting on a response from her of prices and lead times.

Recreation

Opening Through June 30	2022	2021	2020	Notes
Hours of operation	267	266	273	
Total hourly swimmer count	8121	~7700	7050	~ Missing data, extracted from averages
Resident Day Passes sold (child)	340	N/A	N/A	excludes opening weekend
Resident Day Passes sold (Adult)	182	N/A	N/A	excludes opening weekend
Resident Season Passes sold	142	135	N/A	
Nonresident Day Passes Sold (child)	378	N/A	N/A	excludes opening weekend
Nonresident Day Passes Sold (Adult)	272	N/A	N/A	excludes opening weekend
Nonresident season passes sold	1	N/A	N/A	
Pool Membership Revenue	\$ 26,752.98	\$ 15,867.00	\$ 11,191.00	

July 1-July 31	2022	2021	2020	Notes
Hours of operation	262	~260	280	includes weather deductions
total hourly swimmer count	4013	~6000	4821	~ Missing data, extracted from averages
Resident Day Passes sold (child)	225	N/A	N/A	
Resident Day Passes sold (Adult)	152	N/A	N/A	
Resident Season Passes sold	2	N/A	N/A	
Nonresident Day Passes Sold (child)	182	N/A	N/A	
Nonresident Day Passes Sold (Adult)	157	N/A	N/A	
Nonresident season passes sold	0	N/A	N/A	
Pool Membership Revenue	\$ 5,000.00	\$ 4,457.00	\$ 2,721.00	

Aug 1- September 5	2022	2021	2020	Notes
Hours of operation	174	~185	195	includes weather deductions
total hourly swimmer count	2565	N/A	3558	~ Missing data, extracted from averages

Resident Day Passes sold (child)	84	N/A	N/A	
Resident Day Passes sold (Adult)	65	N/A	N/A	
Resident Season Passes sold	0	N/A	N/A	
Nonresident Day Passes Sold (child)	74	N/A	N/A	
Nonresident Day Passes Sold (Adult)	44	N/A	N/A	
Nonresident season passes sold	0	N/A	N/A	
Pool Membership Revenue	\$ 2,287.80	\$ 2,417.00	\$ 1,796.00	

- This month Recreation staff was able to secure Medals, Stickers and a Food truck for the Lazy Day 1.5k to be held on October 1st. Currently, staff is still trying to get t-shirts for this event ordered. Other than that, this event is for the most part planned. The bulk of the work left for this event is mostly marketing.
- This month Recreation staff was able to secure a DJ and 7 food trucks for our Fall Frolic event to be held October 28th. The committee is currently working on the Trunk-or-Treat aspect of the event as well as the activities that will take place during this event.
- This month Recreation staff was able to secure Snow, Santa, 8 Food trucks and the Champions Forrest Baptist Church parking lot (will be used as parking during Holiday in The Village). The market component of this event is still currently being planned, as well as the Parade of lights component.
- This month we had two farmers markets take place on August 7th & 21st.
- This month Recreation staff was able to create the Play Guide for the upcoming Fall/Winter season of recreational activities. The Play Guide has already been submitted to Minute Men Press and is set to release on September 7th. A digital copy of our Play Guide has already been posted to our website.
- During this month Aquatics experienced a shift in the operating hours of the pool. During the month of August, we saw our staff numbers drop from 18 to 9 as some of our staff headed off to college and back to school. After August 14th Clark Henry Pool switched to operating only on the weekends. The last operating weekend for 2022 pool season is Labor Day weekend (September 3, 4, 5). On Labor Day Monday, Clark Henry Pool, will be open from 12-5PM. The very last day that the pool is open to the public is Doggy Dip Day which is September 6th from 6:45PM-8:45PM.
- This month recreation staff was able to meet with the National Academy of Athletics (NAA). This organization is trying to partner with the city to provide more recreational opportunities. The NAA has submitted a program proposal and staff is currently in the reviewing process.

Date	Address	Type
8/2/2022	16534 Delozier St Jersey Village TX 77040	Boat in Driveway
8/4/2022	15421 Lakeview Dr Jersey Village Tx	fallen tree branches
8/4/2022	16122 Congo Ln Jersey Village TX 77040	Exterior Maintenance
8/8/2022	16134 Crawford St Jersey Village TX 77040	Rubbish in driveway
8/8/2022	15318 Jersey Dr Jersey Village TX 77040	low tree over street/sidewalk
8/9/2022	15830 Northwest Freeway Jersey Village 77040	Exterior Maintenance
8/10/2022	16205 Lakeview Dr Jersey Village TX 77040	RV in driveway
8/11/2022	15305 Welwyn Dr Jersey Village TX 77041	Possible junk vehicle
8/11/2022	16518 Jersey Dr Jersey Village TX 77040	Boat in Driveway
8/15/2022	8125 Jones RD Jersey Village TX 77040	Graffiti
8/16/2022	16314 Jersey Dr Jersey Village TX 77040	Trees low
8/16/2022	15509 Mauna Loa LN Jersey Village TX	Trees Low
8/16/2022	16106 Jersey Dr Jersey Village TX 77040	Portable toilet
8/16/2022	15302 Lakeview Dr Jersey Village	Trees low
8/16/2022	15502 Mauna Loa Ln Jersey Village TX 77040	Trees low
8/16/2022	15514 Shanghai St Jersey Village TX 77040	Trees low
8/16/2022	15510 Shanghai St Jersey village Tx	Trees low
8/16/2022	16218 Tahoe Dr Jersey Village TX 77040	Commercial Vehcile
8/17/2022	15406 Juneau Ln Jersey Village	Rubbish in driveway
8/17/2022	15813 Juneau Ln jersey village	parked on unpaved surface
8/17/2022	16884 Northwest Fwy Jersey village tx	Banner signs
8/17/2022	8223 Jones Rd Jersey village	Pennant signs
8/18/2022	15622 Jersey Dr	low trees
8/18/2022	15714 Juneau Ln Jersey villaget	Rubbish in driveway
8/19/2022	15326 Mauna loa ln	Commercial Vehcile
8/19/2022	16110 Congo LN Jersey village	RV in driveway
8/23/2022	15901 Juneau LN Jersey village tx	Rubbish in driveway
8/23/2022	8414 N Tahoe Dr Jersey village	Trailer in driveway
8/23/2022	15402 Mauna Loa LN Jersey village	High grass/weeds
8/23/2022	16201 Tahoe Dr Jersey Village TX 77040	Rubbish
8/25/2022	7831 Zilonis Ct Jersey village tx	Trees low
8/26/2022	15711 Juneau Ln Jersey village	Low trees
8/26/2022	15706 Juneau Ln Jersey Village	low trees
8/26/2022	15814 Jersey Dr	Low trees
8/26/2022	15817 Jersey Dr Jersey Village TX	low trees
8/26/2022	15802 Jersey Dr Jersey Village TX 77040	low trees
8/26/2022	15725 Jersey Dr Jersey Village TX	Low Trees
8/26/2022	15714 Jersey Dr Jersey Village	Low tees
8/26/2022	39 Pebble Beach Ct Jersey Village	NO permit
8/26/2022	15509 Jersey Dr Jersey Village	Low trees
8/26/2022	15510 Jersey Dr Jersey Village TX	sign in row, no address #, low trees
8/26/2022	15501 Jersey Dr Jersey Village	low trees
8/26/2022	15502 Jersey Dr Jersey Village Tx	low trees
8/26/2022	15522 Jersey Dr Jersey Village	sign in row
8/26/2022	15713 Elwood Dr Jersey Village TX	sign in row, low trees
8/26/2022	15706 Juneau Ln Jersey Village	low trees

8/26/2022	15711 Juneau Ln Jersey village	low trees
8/29/2022	16546 Village Dr	tree low
8/30/2022	15702 Juneau Ln	no permit/ Tree
8/30/2022	15809 Seattle	High grass/weeds
8/30/2022	16425 Jersey Dr Jersey Village Tx	High grass/weeds
8/31/2022	16201 Singapore	RV in driveway

MINUTES OF THE REGULAR MEETING OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, HELD ON AUGUST 15, 2022, AT 7:00 P.M. IN THE CIVIC CENTER, 16327 LAKEVIEW, JERSEY VILLAGE, TEXAS.

A. CALL TO ORDER AND ANNOUNCE A QUORUM IS PRESENT

The meeting was called to order by Mayor Warren at 7:01 p.m. with the following present:

Mayor, Bobby Warren	City Manager, Austin Bleess
Council Member, Drew Wasson	City Secretary, Lorri Coody
Council Member, Sheri Sheppard	City Attorney, Justin Pruitt
Council Member, Michelle Mitcham	
Council Member, James Singleton	
Council Member, Jennifer McCrea	

Council Members Michelle Mitcham and Jennifer McCrea participated in the meeting via videoconference.

The following Planning and Zoning Commission Members were present:

Rick Faircloth, Chairman	Debra Mergel, Commissioner
Eric Henao, Vice Chairman	Ty Camp, Commissioner
Ashley Brown, Commissioner	

Commissioners Charles A. Butler, III and Courtney Standlee were not present at this meeting.

Staff in attendance: Robert Basford, Assistant City Manager; Mark Bitz, Fire Chief; Kirk Riggs, Chief of Police; Isabel Kato, Finance Director; Abram Syphrett, Director of Innovation and Technology; and Maria Thorne, Administrative Assistant.

B. INVOCATION, PLEDGE OF ALLEGIANCE

1. **Prayer and Pledge by:** Ty Camp, Planning and Zoning Commissioner

C. PRESENTATIONS

1. **None**

D. CITIZENS' COMMENTS

Citizens who have signed a card and wish to speak to the City Council will be heard at this time. In compliance with the Texas Open Meetings Act, unless the subject matter of the comment is on the agenda, the City staff and City Council Members are prevented from discussing the subject and may respond only with statements of factual information or existing policy. Citizens are limited to five (5) minutes for their comments to the City Council.

Mark Maloy, 7803 Hamilton Circle, Jersey Village, Texas (713) 461-1430 - Mr. Maloy spoke to City Council about the tax rate of .7425. He also gave some background information about discussions had by City Council during the July budget workshops concerning the setting of the tax rate to fund the budget. He also gave background information about prior year discussions and increasing taxes. He feels that the City has amassed a large sum of monies in order to fund projects, including a new City Hall on the south side of US HWY 290. He is against setting a rate that will bring in more funds than are needed.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Jim Fields, 16413 Saint Helier, Jersey Village, Texas (713) 466-0804 – Mr. Fields spoke to City Council about raising taxes. He is not in favor of raising taxes. He mentioned that we have a golf course that is still being supported by the City. He also mentioned that salaries for City staff are too high. He feels that \$500,000 was wasted on the TIRZ project. He is not in favor of the new project for Village Center and he feels that the TIRZ3 project costs too much. He mentioned that he feels that the program for selling our vehicles is not working and he wants to put the golf course club house on hold.

Eric Henao, 15601 Singapore Lane, Jersey Village, Texas (832) 567-0974 – Mr. Henao spoke to City Council about the Citizen’s Academy for police and fire that he and his wife have recently attended. It was a very good and informative class and he recommends that all residents take this class. It is a free opportunity. He also mentioned that learning about these departments and their equipment has helped him understand how tax dollars are used. He feels we have one of the best fire departments and police departments in the Houston area. He feels that the Council and Staff take care of matters to the best of their ability and make sure that residents are taken care of with needed services. As a result, he willingly pays his taxes.

Kimberly Henao, 15601 Singapore Lane, Jersey Village, Texas (832) 689-9878 – Ms. Henao spoke to City Council about historical information concerning the growth of the City during the 1970’s. Her research included information concerning home expansions, streets, safety for citizens, street signs and much more.

E. JOINT PUBLIC HEARING WITH PLANNING AND ZONING COMMISSION

- 1. Conduct a Joint Public Hearing with the City of Jersey Village Planning and Zoning Commission for the purpose of receiving oral comments from any interested person(s) concerning the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.**

Mayor Warren called the item and Chairman Rick Faircloth announced a quorum for the Planning and Zoning Commission. Mayor Warren opened the Joint Public Hearing at 7:21 p.m., for the purpose of receiving oral comments from any interested person(s) concerning the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F. He made note that all notice and posting requirements have been met. Mayor Warren called for public comments.

With no one else signing up to speak at the hearing, Mayor Warren and Chairman Faircloth closed the joint public hearing at 7:21 p.m. and the Planning and Zoning Commission retired from the City Council meeting at 7:21 p.m. to conduct its posted meeting agenda and prepare a final report in connection with this joint public hearing.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

F. FISCAL 2022-2023 MUNICIPAL BUDGET AND TAX RATE ITEMS

1. Discuss and take appropriate action concerning any final changes to the proposed 2022-2023 Municipal Budget.

Isabel Kato, Finance Director, introduced the item. Background information is as follows:

Section 102-007 of the Local Government Code provides that upon closing the public hearing on the proposed municipal budget, the governing body of the municipality shall take action on the proposed budget. In doing so, the governing body may make any changes to the budget that it considers warranted by the law that is in the best interest of the municipal taxpayers.

City Council held the public hearing on the 2022-2023 Municipal Budget on July 18, 2022, and postponed adopting the budget until August 15, 2022.

Additionally, on July 18, 2022, City Council passed Resolution No. 2022-41, setting the maximum proposed ad valorem tax rate of \$0.760157 per \$100 value, as this was the rate used to calculate revenues for the proposed budget that was the subject of the public hearing held on July 18, 2022.

Since the public hearing, on July 25, 2022, under Tax Code Section 26.01(a-1), the Harris County Chief Appraiser has provided us with an estimate of taxable property and our tax accessor has calculated the no-new-revenue tax rate and the voter-approval tax rate based upon these certified estimates as follows:

PROPOSED TAX RATE	\$0.760157 per \$100
NO-NEW-REVENUE TAX RATE	\$0.670132 per \$100
VOTER-APPROVAL TAX RATE	\$0.837308 per \$100

Taking into consideration this updated information, this item is to provide City Council the opportunity to discuss and provide for any needed changes to the 2022-2023 municipal budget before adopting same.

Additionally, after reviewing the calculations based upon the certified estimates, Staff recommends a budget for FY 2022-2023 based upon a lower tax rate of \$0.7425 per \$100 value as opposed to the rate of \$0.760157 which was initially used for the proposed budget reviewed during the public hearing on July 18, 2022.

If City Council agrees with Staff’s recommendation, the following changes to the FY 2022-2023 Municipal Budget are required:

01-10-7621 Current Property Taxes	\$44,429
01-12-9760 Transfer to CIP	\$34,829
01-15-3520 Food	\$ 2,400
01-21-3520 Food	\$ 2,400
01-25-3520 Food	\$ 2,400

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

01-39-3520 Food	\$ 2,400
10-90-9751 Transfer from Gen Fund	\$34,839
10-91-7040 FD Covered Park	(\$50,000)
10-91-7049 Christmas Tree	(\$43,000)
10-91-7056 Carol Fox Pk Sandbox	(\$150,000)
10-91-7073 FY 24 Street Project	(\$162,596)
10-91-7090 Police Bay Door Rep	(\$21,000)
10-91-7103 New City Hall Const	(\$11,000,000)
10-91-7138 Seattle St (Senate W)	\$891,560
10-91-7139 FY 23 Street Project	(\$3,356,200)
10-91-7142 PMP Dog Park Imp	(\$30,000)
10-91-7148 Decorative Street Lights	(\$300,000)

Mayor Warren explained that we must work on estimates from the Harris County Appraisal District, and receiving these numbers are not always as prompt as we would like, which makes budget work difficult.

He mentioned that we have increased the exemption and these changes will enable the City to keep the tax rate the same as last year.

It was explained that City Council over the years has made a conscious effort to bring salaries in the city up to market in order to attract experienced and knowledgeable workers, especially for the police and fire departments. This year, we will increase staff in the fire department by six (6) new fire fighters and one (1) new sergeant in the police department.

It was also mentioned that our staff is cognizant that they work for the residents, and they continuously look for ways to save monies. An example is the in-house remodeling work done in the fire department.

With no further discussion on the matter, Council Member Singleton moved to approve the City of Jersey Village 2022-2023 budget revisions which include a change in the General fund and Capital Improvement Fund. Council Member McCrea seconded the motion. The vote follows:

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

2. Consider Ordinance No. 2022-32, adopting the City of Jersey Village municipal budget for fiscal year 2022-2023.

Isabel Kato, Finance Director, introduced the item. Background information is as follows:

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Council has held the public hearings on the proposed budget for fiscal year 2022-2023 and the proposed budget has been filed with the City Secretary.

Section 102-007 of the Local Government Code requires that upon conclusion of the public hearing on the budget, the City Council shall take action on the proposed budget. In addition, a vote to adopt the budget must be a record vote.

Staff recommends that Council adopt a budget for fiscal year 2022-2023 that includes the recommended changes discussed in the previous item.

The budget adoption process was discussed in order to help residents understand this very complex process.

With no further discussion on the matter, Council Member Singleton moved to approve Ordinance No. 2022-32, adopting the City of Jersey Village municipal budget for fiscal year 2022-2023. Council Member Mitcham seconded the motion. The record vote follows:

Council Member Wasson:	Aye	Council Member Singleton:	Aye
Council Member Sheppard:	Aye	Council Member Mccrea:	Aye
Council Member Mitcham:	Aye		

Mayor Warren, although present, did not vote.

The motion carried.

ORDINANCE NO. 2022-32

AN ORDINANCE APPROVING AND ADOPTING THE BUDGET OF THE CITY OF JERSEY VILLAGE, TEXAS, FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 2022; MAKING APPROPRIATIONS AS REFLECTED IN SAID BUDGET; MAKING CERTAIN FINDINGS AND CONTAINING OTHER PROVISIONS RELATING TO THE SUBJECT; AND PROVIDING FOR SEVERABILITY.

3. Conduct a separate vote to ratify the property tax increase reflected in the 2022-2023 budget adopted on August 15, 2022.

Isabel Kato, Finance Director, introduced the item. Background information is as follows:

Council has adopted a budget that will raise more total property taxes than last year's budget by \$675,909 a 10.0% increase from last year's budget, and of that amount \$27,813,994 is tax revenue to be raised from new property added to the tax roll this year.

Section 102.007(c) of the Local Government Code states that a governing body adopting a budget that requires raising more revenue from property taxes than in the previous year, must conduct a separate vote to ratify the property tax increase reflected in the newly adopted budget.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

This vote, must be a record vote that is in addition to and separate from the vote adopting the budget or the vote required to set the tax rate that is provided for by Chapter 26, Tax Code, or other law.

Mayor gave some background information on this process in order to clarify for the residents the actions that the Council is taking by the record vote.

There were questions about the numbers provided in this item. Finance Director Kato explained the numbers being presented.

With no further discussion on the matter, Council Member Singleton moved to ratify the property tax increase of 10.0% reflected in the newly adopted municipal budget for fiscal year 2022-2023. Council Member Sheppard seconded the motion. The record vote follows:

Council Member Wasson:	Aye	Council Member Singleton:	Aye
Council Member Sheppard:	Aye	Council Member McCrea:	Aye
Council Member Mitcham:	Aye		

Mayor Warren, although present, did not vote.

The motion carried.

4. Conduct Public Hearing on proposed tax rate increase.

Mayor Warren opened the public hearing at 7:38 p.m. in order to give all interested persons the right to express support for or opposition to the proposed tax rate of \$0.760157 per \$100; a rate that exceeds the lower of the voter-approval rate or the no-new-revenue rate.

After opening the meeting, he called upon Isabel Kato, Finance Director to summarize the subject of the public hearing. Ms. Kato gave information outlining the proposal to set the tax rate at \$0.760157 per \$100; a rate that exceeds the lower of the voter-approval rate or the no-new-revenue rate.

In completing the Finance Director’s summary, Mayor Warren called upon those signing up to speak as follows:

Susan Edwards, 16001 Jersey Drive, Jersey Village, Texas (713) 817-3290 – Ms. Edwards stated that she appreciates the information provided in this meeting thus far. She stated that she was thankful about receiving the salary information. She was first against this tax increase mainly because we were recently given an increase in the home exemptions and now, we are getting a tax rate increase. She felt it was hypocritical. However, now it appears that the budget has been worked out and she appreciates all the work done concerning this process.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

In response to Ms. Edward's comments, City Council explained the process. The State regulates the process, and we must work on estimates early on in order to avoid exceeding the voter-approval rate. As such we set a maximum tax rate back in July. This rate is typically adjusted as we get better information from the Appraisal District.

Brian McCauley, 16401 Smith Street, Jersey Village, Texas (346) 324-4816 – Mr. McCauley spoke to City Council about his position concerning increased taxes. He feels that City Council should be speaking about lowering taxes not raising taxes. He wants Council to keep it in mind that residents want lower taxes and if this means the City doing less, he is okay with that. He is against any tax rate increase.

Mayor Warren explained that he too does not want to pay higher taxes, but sometimes City services are needed, and these services have a cost. He gave the example of the need for new fire fighters and the expense incurred with these additions. He also gave information about inflation over the past five (5) years and stated that taking these numbers into account taxes are less now than they were back in 2017.

Mark Maloy, 7803 Hamilton Circle, Jersey Village, Texas (713) 461-1430 – Mr. Maloy spoke to City Council about the budget and the tax rate. He spoke about the changes that were approved to the 2022-2023 municipal budget and how the rate to fund the budget was lowered from .761057 to .7425. He went on to express his displeasure with the funds spent on the City's golf course. He does not support golf course expenditures.

Jim Fields, 16413 Saint Helier, Jersey Village, Texas (713) 466-0804 – Mr. Fields spoke to City Council about city salaries and these expenditures. He stated that he felt offended by comments made earlier during this meeting. He also felt that cuts could be made in the budget in order to reduce the tax rate. He made mention to the increased growth in our parks and recreation department and how the number of City sponsored events have increased over the years. He feels that we need to pull back on these types of events so that the need to raise taxes is reduced.

In response to Mr. Field's comments concerning City events, City Council pointed out that the fireworks show given at a recent City event was not paid for by City funds. The show was paid for by a private business.

With no other persons signing up to speak to express support for or opposition to the proposed tax rate of \$0.760157 per \$100; a rate that exceeds the lower of the voter-approval rate or the no-new-revenue rate, Mayor Warren closed the public hearing at 8:03 p.m.

- 5. Discuss and consider approval of a motion to set the tax rate for debt service for tax year 2022.**

BACKGROUND INFORMATION:

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Adoption of the debt service tax rate must be a separate item on the agenda for the meeting. The Council must adopt the debt service tax rate by official action and the rate must equal the calculated and described debt service rate outlined in Section 26.04 (e) (3) (c) of the Tax Code.

The staff recommends that Council adopt the debt service tax rate of \$.118731 per \$100 value for the tax year 2022. The suggested motion for this item is below.

With limited discussion on the matter, Council Member Singleton moved to approve setting the Debt Service tax rate of \$.118731 per \$100 value for the year 2022. Council Member Wasson seconded the motion. The vote follows:

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

6. Discuss and consider approval of a motion to set the tax rate for maintenance and operation for tax year 2022.

BACKGROUND INFORMATION:

Adoption of the maintenance and operation tax rate must be a separate item on the agenda for the meeting. The adoption of this tax rate will take place after adopting the budget for the year.

If City Council adopted a budget for FY 2022-2023 based upon Staff's recommendations of a lower tax rate of \$0.7425 per \$100 value for the tax year 2022, then the Maintenance and Operation (M&O) tax rate of \$.623769 is needed to fund the 2022-2023 Municipal Budget.

If City Council adopted a budget for FY 2022-2023 based upon the rate used to calculate revenues for the proposed budget that was the subject of the public hearing held on July 18, 2022, then the Maintenance and Operation (M&O) tax rate of \$.641426 is needed to fund the 2022-2023 Municipal Budget.

Nonetheless, the Governing Body is permitted to set an M&O tax rate no higher than \$.641426 which is the Voter Approval M&O tax rate.

With no further discussion on the matter, Council Member Wasson moved to approve setting the Maintenance and Operation tax rate of \$.623769 per \$100 value for the year 2022. Council Member Sheppard seconded the motion. The vote follows:

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

7. Consider Ordinance No. 2022-33, providing for the levy and collection of ad valorem taxes by the City of Jersey Village, Texas, for the year 2022.

BACKGROUND INFORMATION:

Council is required to adopt the ordinance setting the tax rate for debt service; setting the tax rate for maintenance and operation; and setting the total tax rate for the year 2022.

In setting the 2022 ad valorem tax rate, the Governing Body may not set a tax rate that exceeds the voter approval rate of \$.837308 which, if set, is effectively a 12.77% percent increase in the tax rate compared to last year.

In setting the rate, it should be noted that if a rate of \$.760157 is used it is effectively a 2.38 percent increase in the tax rate compared to last year, and if a rate of \$.7425 is used it is effectively a 0% percent increase in the tax rate compared to last year, either one of these rates are needed to fund the 2022-2023 Municipal Budget.

All these rates exceed the no-new-revenue tax rate but not the voter-approval tax rate.

The vote on the ordinance setting a tax rate that exceeds the no-new-revenue tax rate must be a record vote, and at least 60 percent of the members of the governing body must vote in favor of the ordinance.

A motion to adopt an ordinance setting a tax rate that exceeds the no-new-revenue tax rate must be made in the following form:

"I move that the property tax rate be increased by the adoption of a tax rate of \$.7425 which is effectively a 0% percent increase in the tax rate."

Council engaged in discussion about the 0% increase. City Attorney Pruitt explained that the 0% mentioned in this item is not correct. It should be .10799066. Accordingly, the numbers were recalculated in accordance with the tax code as follows:

If a rate of \$.760157 is used it is effectively a 13.43% percent increase in the tax rate compared to last year, and if a rate of \$.7425 is used it is effectively a 10.80% percent increase in the tax rate compared to last year, either one of these rates are needed to fund the 2022-2023 Municipal Budget.

With no further discussion on the matter, Council Member Singleton moved to approve Ordinance No. 2022-33, providing for the levy and collection of ad valorem taxes by the City of Jersey Village, Texas, for the year 2022; providing for the date on which such taxes shall be due and payable; and providing for penalty and interest on all taxes not timely paid. I further move that property taxes be increased by the adoption of a tax rate of \$.7425, which is effectively a .10799066 percent increase in the tax rate. Council Member Mitcham seconded the motion. The record vote follows:

Council Member Wasson: Aye Council Member Singleton: Aye

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Council Member Sheppard: Aye Council Member McCrea: Aye
Council Member Mitcham: Aye

Mayor Warren, although present, did not vote.

The motion carried.

ORDINANCE NO. 2022-33

AN ORDINANCE PROVIDING FOR THE LEVY AND COLLECTION OF AD VALOREM TAXES BY THE CITY OF JERSEY VILLAGE, TEXAS, FOR THE YEAR 2022; PROVIDING FOR THE DATE ON WHICH SUCH TAXES SHALL BE DUE AND PAYABLE; PROVIDING FOR PENALTY AND INTEREST ON ALL TAXES NOT TIMELY PAID; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES INCONSISTENT OR IN CONFLICT HERewith; AND PROVIDING FOR SEVERABILITY.

G. CITY MANAGER’S REPORT

City Manager Bless gave his report. In addition to the report, he told City Council that the City was not approved for the 2021 home elevations grant.

- 1. Monthly Fund Balance Report, Enterprise Funds Report, Governmental Funds Report, Property Tax Collection Report – June 2022, General Fund Budget Projections as of July 2022, and Utility Fund Budget Projections – July 2022.**
- 2. Fire Departmental Report and Communication Division’s Monthly Report**
- 3. Police Department Monthly Activity Report, Warrant Report, Staffing/Recruitment Report, and Police Open Records Requests**
- 4. Municipal Court Collection Report, Municipal Court Activity Report, Municipal Court Courtroom Activity Report, Speeding and Stop Sign Citations within Residential Areas Report, and Court Proceeds Comparison Report**
- 5. Public Works Departmental Status Report**
- 6. Golf Course Monthly Report, Golf Course Financial Statement Report, Golf Course Budget Summary, and Parks and Recreation Departmental Report**
- 7. Code Enforcement Report**

H. CONSENT AGENDA

The following items are considered routine in nature by the City Council and will be enacted with one motion and vote. There will not be separate discussion on these items unless requested by a Council Member, in which event the item will be removed from the Consent Agenda and considered by separate action.

Each Consent Agenda item appears below with background information.

- 1. Consider approval of the Minutes for the Regular Session Meeting held on July 18, 2022, and the Special Session Meeting held on July 19, 2022.**

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

2. **Consider Resolution No. 2022-49, receiving the 2022 calculations for the no-new-revenue tax rate and the voter-approval tax rate, which were calculated using the certified estimate of taxable value required by Section 26.04 (c-2) of the Tax Code.**

BACKGROUND INFORMATION:

The 86th Legislature passed SB2, which made substantial changes to the Tax Code.

One of the major changes involves calculating the no-new-revenue tax rate (formally known as the effective tax rate) and the voter-approval tax rate (formally known as the rollback rate) based upon a certified estimate of taxable value as set out in the Tax Code at Section 26.04 (c-2).

In accordance with Section 26.04 (c-2) these rates have been calculated and in accordance with Section 26.04(e) are being submitted to you for receipt.

This item is to receive the 2022 calculations for the no-new-revenue tax rate and the voter-approval rate.

RESOLUTION NO. 2022-49

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, RECEIVING THE 2022 CALCULATIONS OF THE NO-NEW-REVENUE TAX RATE AND THE VOTER-APPROVAL TAX RATE, WHICH WERE CALCULATED USING THE CERTIFIED ESTIMATE OF TAXABLE VALUE REQUIRED BY SECTION 26.04 (C-2) OF THE TAX CODE.

3. **Consider Resolution No. 2022-50, authorizing the City Manager to enter into a contract with SewerVue Technology to conduct a pilot project to assess the condition of the City's wastewater infrastructure utilizing Pipe Penetrating Radar technology.**

BACKGROUND INFORMATION:

The City of Jersey Village has received a proposal from SewerVue Technology to conduct a pilot project to assess the condition of the City's wastewater infrastructure. Deterioration of underground infrastructure is a common problem faced by utility providers of all types. Current inspection technologies are unable to effectively analyze utility lines made of concrete and similar materials. SewerVue Technology has the ability to provide unobtainable information about defects within or outside water, wastewater and other industrial pipes.

The City's sanitary sewer lines are mostly made up of cast iron, c900 and pvc. SewerVue utilizes a remote surveyor robot to merge closed circuit television camera (CCTV) data with ground penetrating radar measurements to accurately identify pipe wall thickness, composition defects, rebar cover, locate cracks, voids and cavities outside underground pipes. The technology provides imagery of all identified elements, allows for preventative maintenance planning with a thorough assessment of critical infrastructure and enables the prevention of failures.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

The scope of work for the project pilot will include a crawler-based inspection of 5,931.31 linear feet of sanitary sewer lines to include:

- 10” line located between De Lozier Street and St. Helier Street
- 10” line located between Jersey Drive and Acapulco Drive
- 15” line located along Village Drive

The cost to conduct a pilot project to assess the City’s wastewater infrastructure will be paid through the Utility Fund Consultant Services line item (lines 02-45-5510 and 02-45-5515) factored into the 2021-2022 budget.

SewerVue Technology has performed assessments for utility providers and municipal clients worldwide. Additionally, SewerVue Technology owns the Patents to the Pipe Penetrating Radar technology developed by their team of engineers. This is a proprietary/sole source technology.

RESOLUTION NO. 2022-50

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, AUTHORIZING THE CITY MANAGER TO ENTER INTO A CONTRACT WITH SEWERVUE TECHNOLOGY TO CONDUCT A PILOT PROJECT TO ASSESS THE CONDITION OF THE CITY’S WASTEWATER INFRASTRUCTURE UTILIZING PIPE PENETRATING RADAR TECHNOLOGY.

4. **Consider Resolution No. 2022-51, consenting to and approving the appointment of Robert Swanson as the Harris County Municipalities Waste Disposal representative to the Gulf Coast Authority Board of Directors for the term ending August 31, 2023.**

BACKGROUND INFORMATION:

The City of Jersey Village is a member of the Municipalities Waste Disposal Council (MWDC) and the MWDC appoints one Representative to the Gulf Coast Authority. A letter from Scott Bounds, General Counsel for the Gulf Coast Authority, is attached explaining the appointment process.

Accordingly, this item is to consent to and approve the appointment of Robert Swanson (a former council member for the City of Hilshire Village in Harris County) as the Harris County Municipalities Waste Disposal representative to the Gulf Coast Authority Board of Directors for the term ending August 31, 2023.

RESOLUTION NO. 2022-51

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, CONSENTING TO AND APPROVING THE APPOINTMENT OF ROBERT SWANSON AS THE HARRIS COUNTY MUNICIPALITIES WASTE DISPOSAL REPRESENTATIVE TO THE GULF COAST AUTHORITY BOARD OF DIRECTORS FOR THE TERM ENDING AUGUST 31, 2023.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Council Member Sheppard moved to approve items 1 through 4 on the Consent Agenda. Council Member Singleton seconded the motion. The vote follows:

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

I. REGULAR AGENDA

- 1. Consider Resolution No. 2022-52, receiving the Planning and Zoning Commission's Final Report concerning the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.**

Rick Faircloth, Chairman, Planning and Zoning Commission, introduced the item. Background information is as follows:

The Planning and Zoning Commission met on July 11, 2022, to discuss and take appropriate action regarding the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.

The Commission recommended in its preliminary report, which was submitted to Council at its July 18, 2022, meeting, that Council grant the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F. Additionally, the Commission requested that a Joint Public Hearing be ordered for August 15, 2022.

On August 15, 2022, the City Council and the Planning and Zoning Commission conducted the joint public hearing and the Planning and Zoning Commission makes its final report recommending that City Council grant the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.

With limited discussion on the matter, Council Member Singleton moved to approve Resolution No. 2022-52, receiving the Planning and Zoning Commission's Final Report concerning the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F. Council Member McCrea seconded the motion. The vote follows:

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

RESOLUTION NO. 2022-52

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, RECEIVING THE PLANNING AND ZONING COMMISSION'S FINAL REPORT CONCERNING THE APPLICATION REQUEST OF REESE BROWN, FILED ON BEHALF OF MIRAMONT INTERESTS, LC, FOR A SPECIFIC USE PERMIT TO ALLOW THE OPERATION OF CHILD DAY-CARE ON THE 1.43-ACRE TRACT OF LAND LOCATED AT 8630 JONES ROAD, JERSEY VILLAGE, TX 77065 WITHIN THE CITY LIMITS IN ZONING DISTRICT F.

- 2. Consider Ordinance No. 2022-34, amending the Comprehensive Zoning Ordinance of the City, by granting Miramont Interests, LC, a specific use permit (the "specific use permit") to allow the operation of a child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F; providing requirements and conditions for the specific use permit; containing findings and other provisions relating to this ordinance; providing a penalty in an amount not to exceed two thousand dollars (\$2,000) for violations hereof; providing for severability; and providing an effective date.**

Lorri Coody, City Secretary, introduced the item. Background information is as follows:

The Planning and Zoning Commission met on July 11, 2022, to discuss and take appropriate action regarding the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.

The Planning and Zoning Commission submitted its preliminary report to Council on July 18, 2022, and a Joint Public Hearing was ordered for August 15, 2022.

On August 15, 2022, the City Council and the Planning and Zoning Commission conducted a joint public hearing and the Planning and Zoning Commission made its final report and recommendations.

All of the procedural requirements of Section 14-84(c)(2) items a through c have been met. This item is to approve the ordinance that will enact the final recommendation from the Planning and Zoning Commission regarding the application request of Reese Brown, filed on behalf of Miramont Interests, LC, for a specific use permit to allow the operation of child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F.

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

With limited discussion on the matter, Council Member Wasson moved to approve Ordinance No. 2022-34, amending the Comprehensive Zoning Ordinance of the City, by granting Miramont Interests, LC, a specific use permit (the “specific use permit”) to allow the operation of a child day-care on the 1.43-acre tract of land located at 8630 Jones Road, Jersey Village, TX 77065 within the city limits in zoning District F; providing requirements and conditions for the specific use permit; containing findings and other provisions relating to this ordinance; providing a penalty in an amount not to exceed two thousand dollars (\$2,000) for violations hereof; providing for severability; and providing an effective date. Council Member Sheppard seconded the motion. The vote follows:

Ayes: Council Members Wasson, Sheppard, Mitcham, Singleton, and McCrea

Nays: None

The motion carried.

ORDINANCE NO. 2022-34

AN ORDINANCE OF THE CITY OF JERSEY VILLAGE, TEXAS (THE “CITY”), AMENDING THE COMPREHENSIVE ZONING ORDINANCE OF THE CITY, BY GRANTING MIRAMONT INTERESTS, LC, A SPECIFIC USE PERMIT (THE “SPECIFIC USE PERMIT”) TO ALLOW THE OPERATION OF A CHILD DAY-CARE ON THE 1.43-ACRE TRACT OF LAND LOCATED AT 8630 JONES ROAD, JERSEY VILLAGE, TX 77065 WITHIN THE CITY LIMITS IN ZONING DISTRICT F; PROVIDING REQUIREMENTS AND CONDITIONS FOR THE SPECIFIC USE PERMIT; CONTAINING FINDINGS AND OTHER PROVISIONS RELATING TO THIS ORDINANCE; PROVIDING A PENALTY IN AN AMOUNT NOT TO EXCEED TWO THOUSAND DOLLARS (\$2,000) FOR VIOLATIONS HEREOF; PROVIDING FOR SEVERABILITY; AND, PROVIDING AN EFFECTIVE DATE.

J. MAYOR AND COUNCIL COMMENTS

Pursuant to Texas Government Code § 551.0415, City Council Members and City staff may make a reports about items of community interest during a meeting of the governing body without having given notice of the report. Items of community interest include:

- Expressions of thanks, congratulations, or condolence;
- Information regarding holiday schedules;
- An honorary or salutory recognition of a public official, public employee, or other citizen, except that a discussion regarding a change in the status of a person's public office or public employment is not an honorary or salutory recognition for purposes of this subdivision;
- A reminder about an upcoming event organized or sponsored by the governing body;
- Information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; and

REGULAR MEETING OF THE CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS – AUGUST 15, 2022

- Announcements involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

Council Member Singleton: Council Member Singleton encouraged residents to be aware of the safety needs of students returning to school. He thanked all for coming tonight and encourages continued communications.

Council Member Wasson: Council Member Wasson stated that in this City we receive incredible value for every dollar spent by the City. He pointed out that during the budget sessions, some residents encouraged increasing taxes if needed. He went on to explain the cost of services provided by the City. He feels that our tax dollars are used effectively to maintain the City and its infrastructure.

Council Member Sheppard: Council Member Sheppard stated it takes constraint and balance to not spend a lot of money, but we must provide improvements and we must take care of our amenities. None of us want to pay more than we have to, but we must do the best we can to provide the services that we need.

Council Member McCrea: Council Member McCrea expressed her surprise that she was only contacted by one resident concerning the budget and tax rates. She also made comment that the State has implemented a wacky system that creates confusion. She encourages residents to call with their questions in order to get true information. She thanked all the employees for their hard work. She really respects staff's decisions and hard work.

Council Member Mitcham: Council Member Mitcham agrees with all that has been said. She appreciates the time and effort put into the budget by Staff. She feels that they help save dollars. She encourages residents to contact Council Members with their questions.

Mayor Warren: Mayor Warren thanked everyone for their comments and for attending the meeting. He also encourages residents to contact City Council with questions. It is difficult to respond to questions during the meeting as the law prevents the Council from responding to questions that are not specifically on the agenda. He explained the budget and tax process and how Council works hard to find a compromise so that all comes together and works.

K. ADJOURN

There being no further business on the agenda the meeting was adjourned at 8:31 p.m.

Lorri Coody, TRMC, City Secretary



**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022 **AGENDA ITEM:** F2

AGENDA SUBJECT: Review of Investment Policy

Department/Prepared By: Isabel Kato **Date Submitted:** August 18, 2022

EXHIBITS: Resolution No. 2022-54
 Exhibit A - Investment Policy

BUDGETARY IMPACT:	Required Expenditure:	\$0.00
	Amount Budgeted:	\$0.00
	Appropriation Required:	\$0.00

BACKGROUND INFORMATION:

The Texas State Legislature passed the Public Funds Investment Act in 1994 in response to financial crises in California caused when a public agency invested heavily in risky funds. To ensure public funds in Texas would not be placed in a similar situation, the act was drafted, defining the means and limitations public agencies must comply with before investing the funds. All local and state governments are bound by provisions dictated by the Public Fund Investment Act. All agencies covered by the Public Funds Investment Act must write an investment plan. This plan must address the safety of the investment and also list the types of funds into which the agency is entitled to invest. The Public Funds Investment Act places several requirements on investments made by public agencies. One of the allowable investment tools are the investment pools. All investment pools must be continuously rated at AAA or AAA-m by nationally recognized ratings agency. In the case of the City of Jersey Village, we invest in TexPool and in the City’s depository bank Wells Fargo. Tex Pool currently provides investment services to over 2,000 communities throughout the State of Texas and it is also rated AAA-m by Standard & Poor’s. This rating is the highest rating a local government investment pool can achieve.

Furthermore, The Texas Government Code, Public Funds Investment Act Section 2256.005(e) requires that Council review the City’s investment policy and investment strategies not less than annually, and that Council adopt a written instrument by rule, order, ordinance, or resolution stating that it has reviewed the investment policy and investment strategies and that the written instrument so adopted shall record any changes made to either the investment policy or investment strategies.

The investment policy submitted for Council Review with this item contains no changes from the policy last reviewed and approved by Council on September 20, 2021.

Staff recommends that the investment policy and investment strategies be reviewed and approved in accordance with the Public Funds Investment Act.

RECOMMENDED ACTION:

Motion: To approve Resolution 2022-54, reviewing and approving the investment policy and investment strategies used for city funds in compliance with the Texas Government Code.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-54

A RESOLUTION OF THE CITY OF JERSEY VILLAGE, TEXAS, REVIEWING AND APPROVING THE INVESTMENT POLICY AND INVESTMENT STRATEGIES USED FOR CITY FUNDS IN COMPLIANCE WITH THE TEXAS GOVERNMENT CODE.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS:

That the City of Jersey Village Investment Policy, a copy of which is attached hereto as “Exhibit A” and made a part hereof, is hereby reviewed and approved in compliance with the Texas Government Code, Public Funds Investment Act Section 2256.005(e).

PASSED AND APPROVED this the 12th day of September, A.D., 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



CITY OF JERSEY VILLAGE ADMINISTRATIVE PROCEDURES	
SUBJECT: Investment Policy	EFFECTIVE DATE: 12/16/96
DEPARTMENT HEAD APPROVAL: MC	ORIGINAL DATE:
CITY MANAGER APPROVAL: MC	REVIEW/APPROVE: 09/12/2022

TABLE OF CONTENTS

I. INVESTMENT AUTHORITY AND SCOPE OF POLICY	1
General Statement	1
Funds Included	1
City's Investment Officer	1
II. INVESTMENT OBJECTIVES	2
General Statement	2
Safety and Maintenance of Adequate Liquidity	2
Diversification	2
Yield	2
Maturity	2
Quality and Capability of Investment Management	2
Investment Strategies	2
III. INVESTMENT TYPES	3
Prohibited	4
IV. INVESTMENT RESPONSIBILITY AND CONTROL	5
Investment Institutions Defined	5
Qualifications for Approval of Broker/Dealers	5
Standards of Operation	5
Delivery Vs. Payment	5
Audit Control	5
Standard of Care	6
V. INVESTMENT REPORTING AND PERFORMANCE EVALUATION	6
Quarterly Report	6
Notification of Investment Changes	7
VI. INVESTMENT COLLATERAL SAFEKEEPING	7
Collateral or Insurance	7
Safekeeping	7
ATTACHMENT A	9
Investment Strategy	9

I. INVESTMENT AUTHORITY AND SCOPE OF POLICY

General Statement

This policy serves to satisfy the statutory requirements of Local Government Code 116.112 and Government Code Chapter 2256 to define and adopt a formal investment policy. This policy will be reviewed at least annually according to Section 2256.005(e).

Funds Included

This investment policy applies to all financial assets of all funds of the City of Jersey Village, Texas, at the present time and any funds to be created in the future and any other funds held by the City, unless expressly prohibited by law or unless it is in contravention of any depository contract between the City and any bank which may have a depository contract with the City.

City's Investment Officer

The City Finance Director shall be the City's investment officers. In accordance with Sec. 116.112(a, Local Government Code and/or Chapter 2256, Sec. 2256.005(f) and (g), the investment officer may invest City funds that are not immediately required to pay obligations of the City.

If the investment officer has a personal business relationship with an entity, or is related within the second degree by affinity or consanguinity to an individual, seeking to sell an investment to the City, the investment officer must file a statement disclosing that personal business interest or relationship with the Texas Ethics Commission and the City Council in accordance with Government Code 2256.005(i).

II. INVESTMENT OBJECTIVES

General Statement

The City will invest according to investment strategies for each fund that are adopted by City Council and in accordance with this investment policy and written administrative procedures and federal and state laws.

Safety and Maintenance of Adequate Liquidity

The City of Jersey Village is concerned with the return of its principal; therefore, safety of principal is a primary objective in any and all investment

The City's investment portfolio will be structured in conformance with an asset/liability management plan which provides for liquidity necessary to pay obligations as they become due.

Diversification

It will be the policy of the City of Jersey Village to diversify its portfolio to eliminate the risk of loss resulting from over concentration of assets in a specific maturity, a specific issuer or a specific class of investments. Investments of the City shall always be selected to provide for stability of income and reasonable liquidity.

Yield

It is the objective of the City to earn the maximum rate of return allowed on its investments within the policies imposed by its safety and liquidity objectives, investment strategies for each fund, and state and federal law governing investment of public funds.

Maturity

Portfolio maturities will be structured to meet the obligations of the City first and then to achieve the highest return of interest. When the City has funds that will not be needed to meet current-year obligations, maturity restraints will be imposed based upon the investment strategy for each fund. The maximum allowable stated maturity of any individual investment owned by the City is six months.

Quality and Capability of Investment Management

It is the City's policy to provide the training required by the Public Funds Act, Sec. 2256.008 and periodic training in investments for the City Investment Officer and subordinates through courses and seminars offered by professional organizations and associations in order to insure the quality, capability and currency of the City Investment Officer in making investment decisions. The investment officer shall attend at least one training session relating to the office's responsibility under the act within 12 months after assuming the duties of investment officer.

Investment Strategies

In accordance with the Public Funds Investment Act, Section 2256.005(d), a separate written investment strategy will be developed for each of the funds under the City of Jersey Village's control. Each investment strategy must describe the investment objectives for the particular fund using the following priorities of importance:

- (1) understanding of the suitability of the investment to the financial requirements of the entity;
- (2) preservation and safety of principal;
- (3) liquidity;
- (4) marketability of the investment if the need arises to liquidate the investment before maturity;
- (5) diversification of the investment portfolio;

- (6) yield; and
- (7) maturity restrictions.

Attachment A include investment strategies for all funds. In accordance with the Public Funds Investment Act, Section 2256.005(e), investment strategies will be reviewed at least annually. The review will be done within 90 days after September 30, the closing date of the City's fiscal year.

III. INVESTMENT TYPES

The City of Jersey Village Investment Officer shall use any or all of the following authorized investment instruments consistent with governing law (Government Code 2256):

- A. Except as provided by Government Code 2256.009(b), the following are authorized investments:
 - (1) obligations of the United States or its agencies and instrumentalities;
 - (2) direct obligations of the State of Texas or its agencies and instrumentalities;
 - (3) collateralized mortgage obligations directly issued by a federal agency or instrumentality of the United States, the underlying security for which is guaranteed by an agency or instrumentality of the United States;
 - (4) other obligations, the principal and interest of which are unconditionally guaranteed or insured by, or backed by the full faith and credit of, this state or the United States or their respective agencies and instrumentalities; and
 - (5) obligations of states, agencies, counties, cities, and other political subdivisions of any state rated as to investment quality by a nationally recognized investment rating firm not less than A or its equivalent.
- B. Certificates of deposit if issued by a state or national bank domiciled in this state or a savings and loan association domiciled in this state and is:
 - (1) guaranteed or insured by the Federal Deposit Insurance Corporation or its successor; or
 - (2) secured by obligations that are described by Section 2256.009(a) of the Public Funds Investment Act, including mortgage backed securities directly issued by a federal agency or instrumentality that have a market value of not less than the principal amount of the certificates, but excluding those mortgage backed securities of the nature described by Section 2256.009(b) of the Public Funds Investment Act; or
- C. A fully collateralized repurchase agreement, as defined in the Public Funds Investment Act, that:
 - (1) has a defined termination date;
 - (2) is secured by obligations described by Section 2256.009(a)(1) of the Public

Funds Investment Act; and

- (3) requires the securities being purchased by the City to be pledged to the City, held in the City's name, and deposited at the time the investment is made with the City or with a third party selected and approved by the City; and
- (4) is placed through a primary government securities dealer, as defined by the Federal Reserve, or a financial institution doing business in this state.

Notwithstanding any law, the term of any reverse security repurchase agreement may not exceed 90 days after the date the reverse security repurchase agreement is delivered.

Money received by the City under the terms of a reverse security repurchase agreement shall be used to acquire additional authorized investments, but the term of the authorized investments acquired must mature not later than the expiration date stated in the reverse security repurchase agreement.

E. Eligible investments pools (as discussed in the Public Funds Investment Act, Sec. 2256.016-2256.019) if the City Council by resolution authorizes investment in the particular pool. An investment pool shall invest the funds it receives from entities in authorized investments permitted by the Public Funds Investment Act. The City by contract may delegate to TexPool the authority to hold legal title as custodian of investments purchased with its local funds.

Prohibited

The City of Jersey Village Investment Officer does not have authority to use any of the following investment instruments which are strictly prohibited:

- (1) obligations whose payment represents the coupon payments on the outstanding principal balance of the underlying mortgage-backed security collateral and pay no principal;
- (2) obligations whose payment represents the principal stream of cash flow from the underlying mortgage-backed security collateral and bears no interest;
- (3) collateralized mortgage obligations that have a stated final maturity date of greater than 10 years; and
- (4) collateralized mortgage obligations the interest rate of which is determined by an index that adjusts opposite to the changes in a market index.

IV. INVESTMENT RESPONSIBILITY AND CONTROL

Investment Institutions Defined

The City of Jersey Village Investment Officer shall invest City funds with any or all of the following institutions or groups consistent with federal and state law and the current depository bank contract:

- (1) any depository bank
- (2) Other state or national banks domiciled in Texas that are insured by FDIC
- (3) TexPool

Qualifications for Approval of Broker/Dealers

In accordance with 2256.005(k), a written copy of this investment policy shall be presented to any person seeking to sell to the City an authorized investment. The registered principal of the business organization seeking to sell an authorized investment shall execute an affidavit substantially to the effect that the registered principal has:

- (1) received and thoroughly reviewed the investment policy of the City; and
- (2) acknowledged that the City has implemented reasonable procedures and controls in an effort to preclude imprudent investment activities arising out of investment transactions conducted between the City and the organization.

The investment officer may not buy any securities from a person who has not delivered to the City an affidavit in substantially the form provided above according to Section 2256.005(1).

Standards of Operation

The City Investment Officer shall develop and maintain written administrative procedures for the operation of the investment program, consistent with this investment policy.

Delivery Vs. Payment

It will be the policy of the City that all Treasury Bills, Notes and Bonds and Government Agencies' shall be purchased using the "Delivery vs. Payment" (DVP) method through the Federal Reserve System. By so doing, City funds are not released until the City has received, through the Federal Reserve wire, the securities purchased.

Audit Control

The City of Jersey Village City Council, will have an annual financial audit of all City funds by an independent auditing firm, as well as an annual compliance audit of management controls on investments and adherence to the City established investment policies in accordance with Gov. Code 2256.005(m)

Standard of Care

In accordance with Government Code 2256.006, investments shall be made with the same judgment and care, under prevailing circumstances, that a person of prudence, discretion, and intelligence would exercise in the management of the person's own affairs, not for speculation, but for investment, considering the probable safety of capital and the probable income to be derived. Investment of funds shall be governed by the following investment objectives, in order of priority: preservation and safety of principal; liquidity; and yield.

In determining whether an investment officer has exercised prudence with respect to an investment decision, the determination shall be made taking into consideration:

- (1) the investment of all funds, or funds under the City's control, over which the officer had responsibility rather than a consideration as to the prudence of a single investment; and
- (2) whether the investment decision was consistent with the written investment policy of the City.

V. INVESTMENT REPORTING AND PERFORMANCE EVALUATION

Quarterly Report

In accordance with Government Code 2256.023, the Investment Officer shall prepare and submit to the City Council not less often than quarterly a written report of investment transactions for all funds for the preceding reporting period within a reasonable time after the end of the period. The report must:

- (1) describe in detail the investment position of the City on the date of the report;
- (2) be prepared by the Investment Officer;
- (3) be signed by Investment Officer;
- (4) contain a summary statement of each pooled fund group that states the:
 - a. beginning market value for the reporting period;
 - b. additions and changes to the market value during the period; and
 - c. ending market value for the period;
- (5) state the book value and market value of each separately invested asset at the beginning and end of the reporting period by the type of asset and fund type invested;
- (6) state the maturity date of each separately invested asset that has a maturity date;
- (7) state the account or fund or pooled group fund in the City for which each individual investment was acquired; and
- (8) state the compliance of the investment portfolio of the City as it relates to:
 - a. the investment strategy expressed in the City's investment policy; and
 - b. relevant provisions of this chapter.

- (9) state the total rate of return.
- (10) state the Market Value of pledged securities.

Notification of Investment Changes

It shall be the duty of the City Investment Officers to notify the City Council of any significant changes in current investment methods and procedures prior to their implementation, regardless of whether they are authorized by this policy or not.

VI. INVESTMENT COLLATERAL SAFEKEEPING

Collateral or Insurance

The City of Jersey Village Investment Officer shall insure that all City funds are fully collateralized or insured consistent with federal and state law and the current depository contract. Unless the City approves a surety bond as provided by law, the depository bank shall secure the funds of the City by pledging with the City, subject to the approval of the City as to kind and value, "investment securities" as defined by Article 2529b-1, Vernon's Texas Civil Statutes.

The securities pledged shall be transferred to and held by hereinafter referred to as the "Safekeeping Bank". The securities pledged shall have a separate financial institution approved by the City, a market value greater than or equal to one hundred percent (100%) of the funds which the City may have on deposit at any one time, reduced by the amount of Federal Deposit Insurance Corporation (FDIC) insurance available. Should the market value of the securities pledged ever be less than one hundred percent (100%) of the funds secured, the Bank shall immediately cause additional securities approved by the City to be pledged with the City, in such aggregate amount as may be necessary to restore the market value of the securities pledged to one hundred percent (100%) of the amount of funds secured. The Bank shall have the right to substitute or withdraw pledged securities upon obtaining prior written approval of the City.

The City Council may, by written order, require the Depository bank to execute a new bond or pledge additional or other securities at any time the City Council considers it advisable or necessary for protection of the City. If the Depository Bank fails for any reason to comply within five (5) days of service of the order, the City may terminate this Contract. The City Council must approve all securities prior to their being pledged. Securities may only be released from pledge by resolution of the City Council. The City Council's executed resolution, or a certified copy thereof, constitutes written proof of the release.

Safekeeping

All purchased securities shall be held in safekeeping by the City, by a third party financial institution, or by the Federal Reserve Bank.

All certificates of deposit, insured by the FDIC, purchased outside the Depository Bank shall be held

in safekeeping by either the City or a third party financial institution.

All pledged securities by the Depository Bank shall be held in safekeeping by the City, by a third party financial institution, or a Federal Reserve Bank.

The security agreement(s) for all purchased securities will adhere to the Financial Institutions Reform, Recovery, and Enforcement Act of 1989 (FIRREA) § 1823(e), guidelines, which requires that to be valid against the FDIC a security agreement, including a pledge of collateral for a deposit, must satisfy the following requirements:

1. The pledge must be in writing.
2. The pledge agreement must be approved by the depository's board of directors or loan committee, and that approval must be reflected in the minutes of the board or committee.
3. The pledge agreement must be an official record of the depository from the time it was executed.

ATTACHMENT A

Investment Strategy

The City of Jersey Village maintains portfolios which utilize three specific investment strategy considerations designed to address the unique characteristics of the fund groups represented in the portfolios:

- A. Investment strategies for operating funds and commingled pools containing operating funds have as their primary objective to assure that anticipated cash flows are matched with adequate investment liquidity. The secondary objective is to create a portfolio structure which will experience minimal volatility during economic cycles. This may be accomplished by purchasing high quality, short-to-medium-term securities which will complement each other in a laddered or barbell maturity structure. The dollar weighted average maturity of 365 days or less will be calculated using the stated final maturity date of each security.
- B. Investment strategies for debt service funds shall have as the primary objective the assurance of investment liquidity adequate to cover the debt service obligation on the required payment date. Securities purchased shall not have a stated final maturity date which exceeds the debt service payment date.
- C. Investment strategies for special projects or special purpose fund portfolios will have as their primary objective to assure that anticipated cash flows are matched with adequate investment liquidity. The stated final maturity dates of securities held should not exceed the estimated project completion date.

The City may use TexPool, to accomplish this strategy.

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: F3

AGENDA SUBJECT: Consider Resolution No. 2022-55, approving the 2022 Flood Insurance Assessment.

Department/Prepared By: Austin Bless

Date Submitted: August 18, 2022

EXHIBITS: Resolution No. 2022-55
EX A – 2022 Flood Insurance Assessment

BUDGETARY IMPACT:	Required Expenditure:	\$	0.00
	Amount Budgeted:	\$	0.00
	Appropriation Required:	\$	0.00

BACKGROUND INFORMATION:

As part of the Community Rating System (CRS) program the City of Jersey Village annually conducts a Flood Insurance Assessment (FIA). A FIA is an analysis of a community's level of flood insurance coverage that identifies where increased coverage would be beneficial.

As part of this, the City has collected information from the Community Information System on four main topics. Those topics are:

1. Insurance Overview
2. Policies by building occupancy
3. Policies by FIRM Zone
4. Pre- and post-FIRM policy summary

Overall the Jersey Village has 54% of its buildings covered by flood insurance. Of the buildings in the SFHA the coverage rate is 69%. Both of these rates have dropped since 2021. Given the flooding our region has experienced over the past several years these rates could be higher.

Staff concludes that more efforts could be made to bring awareness to the need of flood insurance, especially to those in Zone X. As such staff is recommending more action be taken to increase awareness of flood insurance and encouragement of people to buy it. Staff will put more information about flood insurance in the JV Star and similar citywide outreaches. Staff will also send a letter to everyone in the SFHA.

The full assessment is made apart of the resolution as Exhibit A.

As Council will recall, the City is a member of the Community Rating System (CRS) at a level 7. Because of this, the average savings per policy in the SFHA is \$193 per year. Collectively the community saves \$110,424 on flood insurance because of this. We are working on moving to a Level 6 rating in 2023, and if we achieve that the average savings per policy in the SFHA would be \$258 per year, and the community would collectively save \$156,115.

RECOMMENDED ACTION:

Motion: To approve Resolution 2022-55, approving the 2022 Flood Insurance Assessment.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-55

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, APPROVING THE 2022 FLOOD INSURANCE ASSESSMENT.

WHEREAS, The City of Jersey Village is a part of the Community Rating System (CRS); and

WHEREAS, CRS recommends a Flood Insurance Assessment so trends in flood insurance may be easily tacked; **NOW THEREFORE**,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS THAT:

Section 1. The City Council approves the 2022 Flood Insurance Assessment attached hereto as Exhibit A.

PASSED AND APPROVED this 12th day of September 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



Flood Insurance Assessment

As part of the Community Rating System (CRS) program, the City of Jersey Village annually conducts a Flood Insurance Assessment (FIA). A FIA is an analysis of a community's level of flood insurance coverage that identifies where increased coverage would be beneficial.

As part of this program, the City has collected information from the Community Information System on four main topics as follows:

1. Insurance Overview
2. Policies by building occupancy
3. Policies by FIRM Zone
4. Pre- and post-FIRM policy summary

Level of Flood Insurance Coverage - In Jersey Village there are approximately 2,311 buildings. Of that number 728 are in a Special Flood Hazard Area (SFHA). The city has reviewed summary data for building occupancy, which provides the number of policies, the premium paid, and the amount of insurance coverage for four categories of buildings. City staff has also reviewed the average amount of coverage by category.

The data shows that most buildings that have flood insurance are fairly well covered. However, in the past year the number of policies in force has dropped by approximately 140.

	Policies in Force	Premium	Insurance in Force
Single Family	1223	\$ 924,041.00	\$ 387,912,600
2-4 Family	0	\$ -	\$ -
All other Residential	1	\$ 208.00	\$ 40,000
Non-Residential	27	\$ 69,202.00	\$ 13,475,500
Total	1,251	\$ 993,451.00	\$ 401,428,100

In reviewing the data based upon where the flood insurance policies exist it shows that not all buildings in the SFHA are covered. It also shows that there are many buildings in Zone X that are not covered. The data is below:

	Policies in Force	Premium	Insurance in Force
A1-30 & AE Zones	502	\$ 550,235.00	\$ 148,156,000.00
A Zones	0	\$ -	\$ -
X Zone Standard	353	\$ 253,146.00	\$ 119,370,100.00
X Zone Preferred	396	\$ 190,070.00	\$ 133,902,000.00
Total	1,251	\$ 993,451.00	\$ 401,428,100.00

A breakdown of buildings that have flood insurance

	Buildings in City	Insured Buildings	Percent of Buildings Insured
Buildings in SFHA	728	502	69%
Buildings in X	1583	749	47%
Total	2311	1251	54%

Staff concludes that more efforts could be made to bring awareness to the need of flood insurance, especially to those in Zone X. As such staff is recommending more action be taken to increase awareness of flood insurance and encouragement of people to buy it.

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: F4

AGENDA SUBJECT: Consider Resolution No. 2022-56, accepting and approving an amendment to the Bylaws of the Village Center Local Government Corporation.

Dept./Prepared By: Lorri Coody, City Secretary **Date Submitted:** September 2, 2022

EXHIBITS: Resolution No. 2022-56
EX A – Amendments to LGC Bylaws

BUDGETARY IMPACT:	Required Expenditure:	\$
	Amount Budgeted:	\$
	Appropriation Required:	\$

CITY MANAGER APPROVAL:

BACKGROUND INFORMATION:

The Board of Directors of the Village Center Local Government Corporation (the “LGC”) has filed a written application to the City Council of the City of Jersey Village requesting acceptance and approval of an amendment to the LGC’s Bylaws to, among other things, reflect the broadened scope of the LGC.

This item is for City Council to consider accepting and approving the Board’s request to amend the Bylaws of the LGC.

RECOMMENDED ACTION:

MOTION: To approve Resolution No. 2022-56, accepting and approving an amendment to the Bylaws of the Village Center Local Government Corporation.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-56

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, ACCEPTING AND APPROVING AN AMENDMENT TO THE BYLAWS OF THE VILLAGE CENTER LOCAL GOVERNMENT CORPORATION.

WHEREAS, the Board of Directors (the “Board”) of the Village Center Local Government Corporation (the “LGC”) has filed a written application to the City Council (the “Council”) of the City of Jersey Village (the “City”) requesting acceptance and approval of an amendment to the LGC’s Bylaws (the “Bylaws”) to, among other things, reflect the broadened scope of the LGC; and

WHEREAS, the Council desires to accept and approve the Board’s request amend the Bylaws of the LGC; **NOW THEREFORE**,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

Section 1. **THAT** the facts and matter set forth in the preamble of this Resolution are hereby found to be true and correct, and incorporated herein for all purposes.

Section 2. **THAT** the Council hereby accepts and authorizes the Board’s request to amend the Bylaws, with such amendment being attached to this Resolution as “Exhibit A”.

Section 3. **THAT** in the event any clause, phrase, provision, sentence, or part of this Resolution or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Resolution as a whole or any part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, whether there be one or more parts.

PASSED, APPROVED, AND ADOPTED this 12th day of September 2022.

FOR THE CITY:

BOBBY WARREN, MAYOR

ATTEST:

Lorri Coody, City Secretary



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

EXHIBIT A – AMENDMENTS TO LGC BYLAWS

BYLAWS OF THE VILLAGE CENTER LOCAL GOVERNMENT CORPORATION

June, 2019

TABLE OF CONTENTS

<u>ARTICLE</u>	<u>TITLE</u>	<u>PAGE</u>
ARTICLE I	PURPOSES	3
ARTICLE II	BOARD OF DIRECTORS.....	4
<i>Section 1.</i>	<i>Appointment, Classes, Powers, Number, and Term of Office</i>	<i>4</i>
<i>Section 2.</i>	<i>Meetings of Directors</i>	<i>5</i>
<i>Section 3.</i>	<i>Annual Meetings</i>	<i>5</i>
<i>Section 4.</i>	<i>Regular Meetings.....</i>	<i>5</i>
<i>Section 5.</i>	<i>Special and Emergency Meetings</i>	<i>5</i>
<i>Section 6.</i>	<i>Quorum.....</i>	<i>5</i>
<i>Section 7</i>	<i>Resignation.....</i>	<i>6</i>
<i>Section 8.</i>	<i>Conduct of Business.....</i>	<i>6</i>
<i>Section 9.</i>	<i>Executive Committee, Other Committees.....</i>	<i>6</i>
<i>Section 10.</i>	<i>Compensation of Directors</i>	<i>5</i>
<i>Section 11.</i>	<i>Director's Reliance on Consultant Information</i>	<i>6</i>
ARTICLE III	OFFICERS	7
<i>Section 1.</i>	<i>Titles and Term of Office</i>	<i>7</i>
<i>Section 2.</i>	<i>Powers and Duties of the Chairperson</i>	<i>7</i>
<i>Section 3.</i>	<i>Powers and Duties of the Vice Chairperson</i>	<i>7</i>
<i>Section 4.</i>	<i>Treasurer</i>	<i>7</i>
<i>Section 5.</i>	<i>Secretary</i>	<i>8</i>
<i>Section 6.</i>	<i>Compensation</i>	<i>8</i>
<i>Section 7.</i>	<i>Officer's Reliance on Consultant Information</i>	<i>8</i>
ARTICLE IV	MISCELLANEOUS PROVISIONS.....	8
<i>Section 1.</i>	<i>Fiscal Year.....</i>	<i>8</i>
<i>Section 2.</i>	<i>Seal</i>	<i>8</i>
<i>Section 3.</i>	<i>Notice and Waiver of Notice</i>	<i>8</i>
<i>Section 4.</i>	<i>Gender</i>	<i>9</i>
<i>Section 5.</i>	<i>Appropriations and Grants</i>	<i>9</i>
ARTICLE V	INDEMNIFICATION OF DIRECTORS AND OFFICERS	9
<i>Section 1.</i>	<i>Right to Indemnification</i>	<i>9</i>
<i>Section 2.</i>	<i>Advance Payment.....</i>	<i>9</i>
<i>Section 3.</i>	<i>Indemnification of Employees and Agents</i>	<i>10</i>
<i>Section 4.</i>	<i>Appearance as a Witness</i>	<i>10</i>
<i>Section 5.</i>	<i>Non-exclusivity of Rights</i>	<i>10</i>
<i>Section 6.</i>	<i>Insurance</i>	<i>10</i>
<i>Section 7.</i>	<i>Notification</i>	<i>10</i>
<i>Section 8.</i>	<i>Savings Clause.....</i>	<i>10</i>
ARTICLE VI	PROVISIONS RELATING TO MINORITY CONTRACTING	11
ARTICLE VII	CODE OF ETHICS	11
<i>Section 1.</i>	<i>Policy and Purposes.</i>	<i>11</i>
<i>Section 2.</i>	<i>Conflicts of Interest.....</i>	<i>11</i>
<i>Section 3.</i>	<i>Acceptance of Gifts</i>	<i>12</i>
<i>Section 4.</i>	<i>Bribery</i>	<i>12</i>
<i>Section 5.</i>	<i>Nepotism</i>	<i>13</i>
ARTICLE VIII	AMENDMENTS	13

BYLAWS OF THE VILLAGE CENTER LOCAL GOVERNMENT CORPORATION

ARTICLE I: PURPOSES

- A. The Village Center Local Government Corporation (the LGC”) is organized under the provisions of Subchapter D of Chapter 431, Texas Transportation Code (the “Act”), Chapter 394 of the Texas Local Government Code (the “Code”), and the LGC’s Articles of Incorporation (the “Articles”) as adopted by the City Council (the “Council”) of the City of Jersey Village, Texas (the “City”).
- B. The LGC is organized for the purposes of:
1. aiding, assisting, and acting on behalf of the City in the performance of any and all of the City’s governmental functions related to the implementation of the Project and Financing Plans (the “Plans”) of the City’s Tax Increment Reinvestment Zone Number Two (the “TIRZ”), as such Plans ~~relate in any way to the hotel and hospitality industry~~ now or may exist within the TIRZ;
 2. promoting, developing, encouraging, and maintaining economic development ~~of the hotel and hospitality industry~~ within the TIRZ; and
 3. administering, managing, and supervising economic development vehicles and tools implemented by or on behalf of the City ~~for the hotel and hospitality industry~~ within the TIRZ.
- C. The LGC is formed pursuant to the provisions of the Act, as it now or may hereafter be amended, and the Code, which authorizes the LGC to assist and act on behalf of the City and to engage in activities in the furtherance of the purposes for its creation.
- D. The LGC shall have and exercise all of the rights, powers, privileges, authority, and functions given by the general laws of Texas to non-profit corporations incorporated under the Act including, without limitation, Article 1396, Vernon's Texas Civil Statutes.
- E. The LGC shall have all other powers of a like or different nature not prohibited by law which are available to Texas non-profit corporations and which are necessary or useful to enable the LGC to perform the purposes for which it is created, including the power to issue bonds, notes, or other obligations, and otherwise exercise its borrowing power to accomplish the purposes for which it was created, provided that the LGC shall not issue bonds without the consent of the Council.
- F. The LGC shall be a governmental unit within the meaning of Subdivision (2), Section 101.001, Texas Civil Practice and Remedies Code. The operations of the LGC are governmental and not proprietary functions for purposes of the Texas Tort Claims Act, Section 101.001 et seq., Texas Civil Practice and Remedies Code. The LGC shall have the power to acquire land in accordance with the Act as amended from time to time.

ARTICLE II: BOARD OF DIRECTORS

Section 1. *Appointment, Classes, Powers, Number, and Term of Office.*

- A.** All powers of the LGC shall be vested in a Board of Directors (the “Board”). The Board shall initially consist of nine (9) persons, each a Director of the LGC (a “Director”) ~~Each Director shall be appointed by position to the Board by the Council. With the exception of the economic development representative, each Director shall serve on the Board to the extent such Director’s selected or appointed position is in effect with the City.~~
- B.** The Board shall be composed of the Mayor of the City (the “Mayor”), the five (5) members of the Council, the Chair of the Board of the City’s Tax Increment Reinvestment Zone No. 2 (the “TIRZ”), ~~a hotel and hospitality industry~~ an economic development representative appointed by the Council, and the City Manager. Additional Directors may be added to the Board as prescribed herein. The initial Board shall be those Directors named in the Articles. Subsequent Directors shall be appointed by position to the Board as prescribed herein. Any Director may be removed from the Board at any time, with or without cause, by the Council
- C.** The term for the Mayor’s Director position shall run concurrently with and be necessitated upon the Mayor’s active term of office with the City. A Councilmember’s Director position shall run concurrently with and be necessitated upon the Councilmember’s active term of office with the City. The City Manager’s Director position shall run concurrently with and be necessitated upon the City Manger’s active employment as the City Manager of the City. If the Mayor, any Councilmember, or the City Manager should cease to actively serve the City in such capacity, then the Directorship associated with such position shall also cease as to such person and there shall be a vacancy on the Board.
- D.** The term of the Director position for ~~a hotel and hospitality~~ the economic development representative shall be ~~for a term of four years, or until his or her successor is appointed determined by the Council; unless such Director has been appointed to fill an unexpired term, in which case the term of the Director shall expire on the expiration date of the term of the Director whose position he or she was appointed to fill.~~
- E.** Any Director may be removed from office at any time, with or without cause, by the Council.
- F.** The number of Directors may only be increased or decreased by an amendment to these Bylaws and to the Articles with the consent of the Council.
- G.** If any of the following persons is not serving as a member of the Board, he or she may serve as an ex-officio, non-voting member of the Board:
1. City Attorney;
 2. City Finance Director; and
 3. City Secretary.
- H.** Any person designated as an ex-officio member of the Board is entitled to notice of meetings of the Board and to attend such meetings of the Board.

Section 2. Meetings of Directors.

- A. The Directors may hold their meetings and may have an office and keep the books of the LGC at such place or places within the City as the Board may from time to time determine; provided, however, in the absence of any such determination, such place shall be the registered office of the LGC in the State of Texas.
- B. The Board shall meet in accordance with and file notice of each meeting of the Board for the same length of time and in the same manner and location as is required of a City under Chapter 551, Texas Government Code (the “Open Meetings Act”).
- C. The LGC, the Board, and any committee of the Board exercising the powers of the Board are subject to Chapter 552, Texas Government Code.

Section 3. Annual Meetings.

The annual meeting of the Board shall be held at the time and at the location in the City designated by the resolution of the Board for the purposes of transacting such business as may be brought before the meeting.

Section 4. Regular Meetings.

Regular meetings of the Board shall be held at such times and places as shall be designated, from time to time, by resolution of the Board.

Section 5. Special and Emergency Meetings.

- A. Special and emergency meetings of the Board shall be held whenever called by the Chairperson of the Board, the Secretary, or by a majority of the Directors who are serving duly appointed terms of office at the time the meeting is called.
- B. The Secretary shall give notice of each special meeting in person, by telephone, facsimile, email, or mail at least three (3) days before the meeting to each Director and to the public in compliance with the Open Meetings Act. Notice of each emergency meeting shall also be given in the manner required of the City under the Open Meetings Act. Unless otherwise indicated in the notice thereof, any and all matters pertaining to the purposes of the LGC may be considered and acted upon at a special or emergency meeting. At any meeting at which every Director shall be present, even though without any notice, any matter pertaining to the purposes of the LGC may be considered and acted upon to the extent allowed by the Open Meetings Act.

Section 6. Quorum.

- A. A majority of the Board then appointed and serving shall constitute a quorum for the consideration of matters pertaining to the purposes of the LGC. If at any meeting of the Board there is less than a quorum present, a majority of those present may adjourn the meeting from time to time. The act of a majority of the Directors present and voting at a meeting at which a quorum is in attendance shall constitute the act of the Board, unless the act of a greater number is required by law, by the Articles of Incorporation, or by these Bylaws.
- B. A Director who is present at a meeting of the Board at which any corporate action is taken shall be presumed to have assented to such action unless his dissent or abstention shall be entered in the minutes of the meeting or unless he shall file his written dissent or abstention to

such action with the person acting as the secretary of the meeting before the adjournment thereof or shall forward such dissent or abstention by registered mail to the Secretary of the LGC immediately after the adjournment of the meeting. Such right to dissent or abstain shall not apply to a Director who voted in favor of the action.

Section 7. Resignations.

Any Director, officer, or Advisory Director may resign at any time. Such resignations shall be made in writing and shall take effect at the time specified therein, or, if no time be specified, at the time of its receipt by the President or Secretary. The acceptance of a resignation shall not be necessary to make it effective, unless expressly so provided in the resignation.

Section 8. Conduct of Business.

- A. At the meetings of the Board, matters pertaining to the purposes of the LGC shall be considered in such order as from time to time the Board may determine.
- B. At all meetings of the Board, the Chairperson shall preside, and in the absence of the Chairperson, the Vice Chairperson shall preside. In the absence of the Chairperson and the Vice Chairperson, a chairperson shall be chosen by the Board from among the Directors present.
- C. The Secretary of the LGC shall act as secretary of all meetings of the Board, but in the absence of the Secretary, the presiding officer may appoint any person to act as secretary of the meeting.

Section 9. Executive Committee, Other Committees.

The Board may, by resolution passed by a majority of the Directors, designate three or more Directors to constitute an executive committee or other type of committee. To the extent provided in the authorizing resolution, a committee shall have and may exercise all of the authority of the Board in the management of the LGC, except where action of the Board is specified by statute. A committee shall act in the manner provided in the authorizing resolution. Each committee so designated shall keep regular minutes of the transactions of its meetings and shall cause such minutes to be recorded in books kept for that purpose in the office of the LGC, and shall report the same to the Board from time to time. Committees authorized to exercise the powers of the Board shall give notice of any meeting in the manner required for a meeting of the Board.

Section 10. Compensation of Directors.

Directors, as such, shall not receive any salary or compensation for their services as Directors; provided, that nothing contained herein shall be construed to preclude any Director from receiving compensation which is not excessive and which is at commercially reasonable rates for personal services (rendered in other than a "Director" capacity) which are reasonable and necessary in carrying out the LGC's purposes.

Section 11. Director's Reliance on Consultant Information.

A Director shall not be liable if while acting in good faith and with ordinary care, he relies on information, opinions, reports, or statements, including financial statements and other financial data, concerning the LGC or another person, that were prepared or presented by:

- 1. one or more other officers or employees of the LGC;

2. legal counsel, public accountants, or other persons as to matters the officer reasonably believes are within the person's professional or expert competence; or
3. a committee of the Board of which the Director is not a member.

ARTICLE III: OFFICERS

Section 1. *Titles and Term of Office.*

- A. The LGC shall have the following officers: Chairperson, Vice-chairperson, Secretary, Treasurer, and such other officers as the Board may from time to time elect or appoint. One person may hold more than one office, except that the Chairperson shall **not** hold the office of Secretary. The term of office for each officer, ~~other than the Chairperson,~~ shall commence on the date of such officer's election and terminate on the earlier of: one year; the date that the officer is replaced by the ~~board~~Board; or, ~~if the officer is a member of the Board,~~ the date that the officer is no longer a member of the Board.
- B. All officers, ~~other than the Chairperson,~~ shall be subject to removal, with or without cause, at any time by a vote of a majority of the whole Board then appointed and serving. A vacancy in the office of any officer, ~~other than the Chairperson,~~ shall be filled by the Board.

Section 2. *Powers and Duties of the Chairperson.*

The Chairperson ~~shall be a member of the Board and~~ shall preside at all meetings of the Board. The Chairperson shall be ~~designated by the Mayor~~ **appointed by majority vote of the Board at its Annual Meeting, or as soon as practicable thereafter.** He or she shall have such duties as are assigned by the Board, and may call special or emergency meetings of the Board.

Section 3. *Powers and Duties of the Vice Chairperson.*

The Vice Chairperson shall ~~be a member of~~ **be approved by** the Board. The Vice Chairperson shall perform the duties and exercise the powers of the Chairperson upon the Chairperson's death, absence, disability, or resignation, or upon the Chairperson's inability to perform the duties of his or her office. Any action taken by the Vice Chairperson in the performance of the duties of the Chairperson shall be conclusive evidence of the absence or inability to act of the Chairperson at the time such action was taken.

Section 4. *Treasurer.*

The Treasurer shall have custody of all the funds and securities of the LGC which come into his or her hands. When necessary or proper, he or she may endorse, on behalf of the LGC, for collection, checks, notes and other obligations and shall deposit the same to the credit of the LGC in such bank or banks or depositories as shall be designated in the manner prescribed by the Board; he or she may sign all receipts and vouchers for payments made to the LGC, either alone or jointly with such other officer as is designated by the Board; whenever required by the Board, he or she shall render a statement of his or her case account; he or she shall enter or cause to be entered regularly in the books of the LGC to be kept by him or her for that purpose full and accurate accounts of all moneys received and paid out on account of the LGC; he or she shall perform all acts incident to the position of Treasurer subject to the control of the Board; and he or she shall, if required by the Board, give such bond for the faithful discharge of his or her duties in such form as the Board may require.

Section 5. Secretary.

The Secretary shall keep the minutes of all meetings of the Board in books provided for that purpose; he or she shall attend to the giving and serving of all notices; in furtherance of the purposes of the LGC and subject to the limitations contained in the Articles of Incorporation, he or she may sign with the President in the name of the LGC and attest the signatures thereof, all contracts, conveyances, franchises, bonds, deeds, assignments, mortgages, notes and other instruments of the LGC; he or she shall have charge of the LGC's books, records, documents and instruments, except the books of account and financial records and securities of which the Treasurer shall have custody and charge, and such other books and papers as the Board may direct, all of which shall at all reasonable times be open to the inspection of any Director upon application at the office of the LGC during business hours; and, he or she shall in general perform all duties incident to the office of Secretary subject to the control of the Board.

Section 6. Compensation.

Officers may be entitled to receive ~~such salary or compensation~~ reimbursement for personal services which are necessary and reasonable in carrying out the LGC's purposes as the Board may from time to time determine, provided, that in no event shall the salary or compensation be excessive. Board members, even in their capacity as officers, are not entitled to compensation except as otherwise provided in Article II, Section 9.

Section 7. Officer's Reliance on Consultant Information.

In the discharge of a duty imposed or power conferred on an officer of the LGC, the officer may in good faith and with ordinary care rely on information, opinions, reports, or statements, including financial statements and other financial data, concerning the LGC or another person, that were prepared or presented by:

1. one or more other officers or employees of the LGC, including members of the Board; or
2. legal counsel, public accountants, or other persons as to matters the officer reasonably believes are within the person's professional or expert competence.

ARTICLE IV: MISCELLANEOUS PROVISIONS

Section 1. Fiscal Year.

The fiscal year of the LGC shall begin October 1 of each year.

Section 2. Seal.

The seal of the LGC shall be such as from time to time may be approved by the Board.

Section 3. Notice and Waiver of Notice.

Whenever any notice, other than public notice of a meeting given to comply with the Open Meetings Act, is required to be given under the provisions of these Bylaws, such notice shall be deemed to be sufficient if given by depositing the same in a post office box in a sealed postpaid wrapper addressed to the person entitled thereto at his or her post office address, as it appears on the books of the LGC, and such notice shall be deemed to have been given on the day of such mailing. A waiver of notice, signed by the person or persons entitled to said notice, whether before or after the time stated therein, shall be deemed equivalent thereto.

Section 4. Gender.

References herein to the masculine gender shall also refer to the feminine in all appropriate cases and vice versa.

Section 5. Appropriations and Grants.

The LGC shall have the power to request and accept any appropriation, grant, contribution, donation, or other form of aid from the federal government, the State, any political subdivision, or municipality in the State, or from any other source.

ARTICLE V: INDEMNIFICATION OF DIRECTORS AND OFFICERS

Section 1. Right to Indemnification.

Subject to the limitations and conditions as provided in this Article V and the Articles of Incorporation, each person who was or is made a party or is threatened to be made a party to or is involved in any threatened, pending, or completed action, suit, or proceeding, whether civil, criminal, administrative, arbitrative, or investigative (a “proceeding”), or any appeal in such a proceeding or any inquiry or investigation that could lead to such a proceeding, by reason of the fact that he, she, or a person of whom he or she is the legal representative, is or was a Director or officer of the LGC, or while a Director or officer of the LGC is or was serving at the request of the LGC as a director, officer, partner, venturer, proprietor, trustee, employee, agent, or similar functionary of another foreign or domestic corporation, partnership, joint venture, sole proprietorship, trust, employee benefit plan or other enterprise shall be indemnified by the LGC to the fullest extent permitted by the Texas Non-Profit Corporation Act, as the same exists or may hereafter be amended (but, in the case of any such amendment, only to the extent that such amendment permits the LGC to provide broader indemnification rights than said law permitted the LGC to provide prior to such amendment) against judgments, penalties (including excise and similar taxes and punitive damages), fines, settlements, and reasonable expenses (including, without limitation, attorneys' fees) actually incurred by such person in connection with such proceeding, and indemnification under this Article V shall continue as to a person who has ceased to serve in the capacity which initially entitled such person to indemnity hereunder. The rights granted pursuant to this Article V shall be deemed contract rights, and no amendment, modification, or repeal of this Article V shall have the effect of limiting or denying any such rights with respect to actions taken or proceedings arising prior to any such amendment, modification, or repeal. It is expressly acknowledged that the indemnification provided in this Article V could involve indemnification for negligence or under theories of strict liability.

Section 2. Advance Payment.

The right to indemnification conferred in this Article V shall include the right to be paid in advance or reimbursed by the LGC the reasonable expenses incurred by a person of the type entitled to be indemnified under Section 1 who was, is, or is threatened to be made a named defendant or respondent in a proceeding in advance of the final disposition of the proceeding and without any determination as to the person's ultimate entitlement to indemnification; provided, however, that the payment of such expenses incurred by any such person in advance of the final disposition of a proceeding, shall be made only upon delivery to the LGC of a written affirmation by such Director or officer of his or her good faith belief that he or she has met the standard of conduct necessary for indemnification under this Article V and a written undertaking, by or on behalf of such person,

to repay all amounts so advanced if it shall ultimately be determined that such indemnified person is not entitled to be indemnified under this Article V or otherwise.

Section 3. *Indemnification of Employees and Agents.*

The LGC, by adoption of a resolution of the Board, may indemnify and advance expenses to an employee or agent of the LGC to the same extent and subject to the same conditions under which it may indemnify and advance expenses to Directors and officers under this Article V; and the LGC may indemnify and advance expenses to persons who are not or were not Directors, officers, employees, or agents of the LGC but who are or were serving at the request of the LGC as a Director, officer, partner, venturer, proprietor, trustee, employee, agent, or similar functionary of another foreign or domestic corporation, partnership, joint venture, sole proprietorship, trust, employee benefit plan, or other enterprise against any liability asserted against him or her and incurred by him or her in such a capacity or arising out of his or her status as such a person to the same extent that it may indemnify and advance expenses to Directors under this Article V.

Section 4. *Appearance as a Witness.*

Notwithstanding any other provision of this Article V, the LGC may pay or reimburse expenses incurred by a Director or officer in connection with his or her appearance as a witness or other participation in a proceeding involving the LGC or its business at a time when he or she is not a named defendant or respondent in the proceeding.

Section 5. *Non-exclusivity of Rights.*

The right to indemnification and the advancement and payment of expenses conferred in this Article V shall not be exclusive of any other right which a Director or officer or other person indemnified pursuant to Section 3 of this Article V may have or hereafter acquire under any law (common or statutory), provision of the Articles of Incorporation of the LGC or these Bylaws, agreement, vote of shareholders or disinterested Directors, or otherwise.

Section 6. *Insurance.*

The LGC may purchase and maintain insurance, at its expense, to protect itself and any person who is or was serving as a Director, officer, employee, or agent of the LGC or is or was serving at the request of the LGC as a Director, officer, partner, venturer, proprietor, trustee, employee, agent, or similar functionary of another foreign or domestic corporation, partnership, joint venture, proprietorship, employee benefit plan, trust, or other enterprise against any expense, liability, or loss, whether or not the LGC would have the power to indemnify such person against such expense, liability, or loss under this Article V.

Section 7. *Notification.*

Any indemnification of or advance of expenses to a Director or officer in accordance with this Article V shall be reported in writing to the members of the Board with or before the notice of the next regular meeting of the Board and, in any case, within the 12-month period immediately following the date of the indemnification or advance.

Section 8. *Savings Clause.*

If this Article V, or any portion hereof, shall be invalidated on any ground by any court of competent jurisdiction, then the LGC shall nevertheless indemnify and hold harmless each Director, officer, or any other person indemnified pursuant to this Article V as to costs, charges, and expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement with respect to any action, suit, or proceeding, whether civil, criminal, administrative, or investigative, to the full extent permitted by any applicable portion of this Article V that shall not have been invalidated and to the fullest extent permitted by applicable law.

ARTICLE VI: PROVISIONS RELATING TO MINORITY CONTRACTING

The LGC shall attempt to stimulate the growth of disadvantaged businesses inside the City by encouraging the full participation of disadvantaged businesses in all phases of its procurement activities and affording those disadvantaged businesses a full and fair opportunity to compete for LGC contracts. The LGC shall establish one or more programs designed to increase participation by disadvantaged businesses in contract awards which will conform to City approved programs. Any program established by the LGC shall provide that disadvantaged businesses certified by the City shall be the disadvantaged businesses certified for LGC contracts.

ARTICLE VII: CODE OF ETHICS

Section 1. *Policy and Purposes.*

- A. It is the policy of the LGC that Directors and officers conduct themselves in a manner consistent with sound business and ethical practices; that the public interest always be considered in conducting corporate business; that the appearance of impropriety be avoided to ensure and maintain public confidence in the LGC; and, that the Board establish policies to control and manage the affairs of the LGC fairly, impartially, and without discrimination.
- B. This Code of Ethics has been adopted as part of the LGC's Bylaws for the following purposes:
 - 1. to encourage high ethical standards in official conduct by Directors and corporate officers; and
 - 2. to establish guidelines for such ethical standards of conduct.

Section 2. *Conflicts of Interest.*

- A. Except as provided in subsection D of this Section, a Director or officer is prohibited from participating in a vote, decision, or award of a contract involving a business entity or real property in which the Director or the officer has a substantial interest, if it is foreseeable that the business entity or real property will be economically benefited by the action.
- B. A person has a substantial interest in a business, if:
 - 1. his or her ownership interest is ten percent or more of the voting stock or shares of the business entity or ownership of \$15,000 or more of the fair market value of the business entity; or
 - 2. the business entity provides more than ten percent of the person's gross income.
- C. A person has a substantial interest in real property if the interest is an equitable or legal ownership with a fair market value of \$2,500 or more. An interest of a person related in the

second degree by affinity or the third degree by consanguinity to a Director or officer is considered a substantial interest.

- D. If a Director or a person related to a Director in the first or second degree by affinity or the first, second, or third degree by consanguinity has a substantial interest in a business entity or real property that would be pecuniarily affected by any official action taken by the Board, such Director, before a vote or decision on the matter, shall file an affidavit stating the nature and extent of the interest. The affidavit shall be filed with the Secretary of the Board.
- E. A Director who has a substantial interest in a business entity that will receive a pecuniary benefit from an action of the Board may vote on that action if a majority of the Board has a similar interest in the same action or if all other similar business entities in the LGC will receive a similar pecuniary benefit.
- F. An employee of a public entity may serve on the Board.

Section 3. Acceptance of Gifts.

- A. No Director or officer shall accept any benefit as consideration for any decision, opinion, recommendation, vote, or other exercise of discretion in carrying out official acts for the LGC. No Director or officer shall solicit, accept, or agree to accept any benefit from a person known to be interested in or likely to become interested in any contract, purchase, payment, claim, or transaction involving the exercise of the Director's or officer's discretion.
- B. As used here, "benefit" does not include:
 - 1. a fee prescribed by law to be received by a Director or officer or any other benefit to which the Director or officer is lawfully entitled or for which he gives legitimate consideration in a capacity other than as a Director or officer;
 - 2. a gift or other benefit conferred on account of kinship or a personal, professional, or business relationship independent of the official status of the Director or officer;
 - 3. an honorarium in consideration for legitimate services rendered above and beyond official duties and responsibilities if:
 - a. not more than one honorarium is received from the same person in a calendar year;
 - b. not more than one honorarium is received for the same service; and
 - c. the value of the honorarium does not exceed \$250 exclusive of reimbursement for travel, food, and lodging expenses incurred by the Director or officer in performance of the services;
 - 4. a benefit consisting of food, lodging, transportation, or entertainment accepted as a guest if reported as may be required by law.

Section 4. Bribery.

A Director or officer shall not intentionally or knowingly offer, confer, agree to confer on another, solicit, accept, or agree to accept from another, any benefit as consideration for:

- 1. the Director's or officer's decision, opinion, recommendation, vote, or other exercise of discretion as a Director or officer;

2. the Director's or officer's decision, opinion, recommendation, vote, or other exercise of official discretion in a judicial or administrative proceeding; or
3. a violation of a duty imposed by law on the Director or officer.

Section 5. *Nepotism.*

No Director or officer shall appoint, vote for, or confirm the appointment to any office, position, clerkship, employment, or duty, of any person related within the second degree by affinity (marriage relationship) or within the third degree of consanguinity (blood relationship) to the Director or officer so appointing, voting, or confirming, or to any other Director or officer. This provision shall not prevent the appointment, voting for, or confirmation of any person who shall have been continuously employed in any such office, position, clerkship, employment, or duty at least thirty (30) days prior to the appointment of the Director or officer so appointing or voting.

ARTICLE VIII: AMENDMENTS

A proposal to alter, amend, or repeal these Bylaws shall be made by the affirmative vote of a majority of the full Board then appointed and serving at any annual or regular meeting, or at any special meeting if notice of the proposed amendment be contained in the notice of said special meeting. However, any proposed change or amendment to the Bylaws must be approved by the Council to be effective.

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: F5

AGENDA SUBJECT: Consider Ordinance No. 2022-35, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning the recommendation to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards in accordance with the City’s Comprehensive Plan and prescribing the notice requirements for a public hearing.

Department/Prepared By: Lorri Coody, City Secretary **Date Submitted:** September 7, 2022

EXHIBITS: Ordinance 2022-35
Exhibit A - Planning and Zoning Commission’s Preliminary Report

BACKGROUND INFORMATION:

One of the goals in the Comprehensive Plan is to “Encourage quality Community-orientated Retail and Restaurants”, “Encourage quality Community-orientated Entertainment”, to update city codes to conform to the Comprehensive Plan, and to “Review existing development codes to identify incompatibility with the vision and desired uses (higher quality restaurants, services, and entertainment), and to protect residential neighborhoods.”

To that end, this Commission, during its July 11, August 15, and September 7, 2022 meetings, has been reviewing Chapter 14, Section 14-88 for needed updates and has prepared its preliminary report concerning same.

This item is to receive the Planning and Zoning Commission’s preliminary report, call a joint public hearing for October 17, 2022, and prescribe the type of notice to be given, and the time and place of the public hearing required as authorized by Chapter 211.006(c) of the Texas Local Government Code. It must be passed by a two-thirds vote.

RECOMMENDED P&Z ACTION:

MOTION: To approve Ordinance No. 2022-35, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning the recommendation to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards in accordance with the City’s Comprehensive Plan and prescribing the notice requirements for a public hearing.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

ORDINANCE NO. 2022-35

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, RECEIVING THE PLANNING AND ZONING COMMISSION’S PRELIMINARY REPORT AND CALLING A JOINT PUBLIC HEARING OF THE CITY COUNCIL AND THE PLANNING AND ZONING COMMISSION CONCERNING THE RECOMMENDATION TO REPEAL AND REPLACE CHAPTER 14 “BUILDING AND DEVELOPMENT”, ARTICLE I “GENERAL”, SECTION 14-88 “REGULATIONS THAT APPLY TO ALL DISTRICTS”, IN ORDER TO ALLOW FOR UPDATES TO RESIDENTIAL DEVELOPMENT STANDARDS IN ACCORDANCE WITH THE CITY’S COMPREHENSIVE PLAN AND PRESCRIBING THE NOTICE REQUIREMENTS FOR A PUBLIC HEARING.

WHEREAS, one of the goals in the Comprehensive Plan is to “Encourage quality Community-orientated Retail and Restaurants”, “Encourage quality Community-orientated Entertainment”, to update city codes to conform to the Comprehensive Plan, and to “Review existing development codes to identify incompatibility with the vision and desired uses (higher quality restaurants, services, and entertainment), and to protect residential neighborhoods;” and

WHEREAS, to that end, on July 11, 2022, August 15, 2022, and September 7, 2022, the Commission engaged in discussions regarding the need to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards; and

WHEREAS, as a result of these discussions, the Planning and Zoning Commission submits its preliminarily report to City Council, and asks that it be received; and

WHEREAS, Chapter 211.006(c) of the Texas Local Government Code allows home rule municipalities to prescribe, by a two-thirds vote, the type of notice to be given, and the time and place of the public hearing required, to establish zoning regulations; and

WHEREAS, the City Council desires to call a joint public hearing with the Commission on the proposal to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards and to provide for specific notice requirements in connection with the joint public hearing; **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

SECTION 1. THAT, The City Council hereby finds and determines that the statements set forth in the preamble of this Ordinance are true and correct and are incorporated herein for all purposes.

SECTION 2. THAT, the Planning and Zoning Commission’s Preliminary Report as it relates to the proposal to repeal and replace Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards, is hereby received. The complete and correct copy of the Preliminary Report is attached hereto as “Exhibit A” and is fully incorporated herein for all purposes.

SECTION 3. THAT, the City Council and the Planning and Zoning Commission of the City of Jersey Village, Texas will conduct a Joint Public Hearing at 7:00 p.m., October 17, 2022, on the proposal to repeal and replace Chapter 14 “Building and Development”, Article I “General”,

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards.

SECTION 4. THAT, the City Secretary be, and she is hereby, directed to give notice of such public hearing by publishing notice in the Houston Chronicle, Cypress Creek Mirror Neighborhood newspaper, a newspaper of general circulation in the City, before the 15th day before the date of the hearing and to post a copy of the Notice on the City’s website and at City Hall.

SECTION 5. THAT, this Ordinance shall be in full force and effect upon the date of its passage by the Council.

PASSED AND APPROVED BY A 2/3 MAJORITY OF THE CITY COUNCIL ON THIS 12th DAY OF SEPTEMBER 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



EXHIBIT A

PLANNING AND ZONING COMMISSION'S
PRELIMINARY REPORT – SEPTEMBER 7, 2022
REPEAL-REPLACE CHAPTER 14, SECTION 14-88



**CITY OF JERSEY VILLAGE – PLANNING & ZONING COMMISSION
PRELIMINARY REPORT
REPEAL AND REPLACE CHAPTER 14, SECTION 14-88**

The Planning and Zoning Commission has met on July 11, August 15, and September 07, 2022, in order to review the Jersey Village Code of Ordinances as they relate to the repeal and replacement of Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards in accordance with the City’s Comprehensive Plan.

After review and discussion, the Commissioners preliminarily proposed that the Code of Ordinances of the City of Jersey Village, Texas, be amended by repealing and replacing Chapter 14 “Building and Development”, Article I “General”, Section 14-88 “Regulations that apply to all districts”, in order to allow for updates to residential development standards.

These preliminary changes to the City’s comprehensive zoning ordinance are more specifically detailed in the proposed ordinance attached as Exhibit “A.”

The next step in the process as required by Section 14-84(c)(2)(b) of the Jersey Village Code of Ordinances is for Council to call a joint public hearing with the Planning and Zoning Commission.

Respectfully submitted, this 7th day of September 2022.

s/Rick Faircloth, Chairman



ATTEST:

s/Lorri Coody, City Secretary

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Exhibit A

Proposed Ordinance

ORDINANCE NO. 2022-xx

AN ORDINANCE AMENDING CHAPTER 14 OF THE CODE OF ORDINANCES OF THE CITY OF JERSEY VILLAGE, TEXAS, BY AMENDING CHAPTER 14 “BUILDING AND DEVELOPMENT”, ARTICLE I “GENERAL”, BY REPEALING AND REPLACING SECTION 14-88 “REGULATIONS THAT APPLY TO ALL DISTRICTS”, TO ALLOW FOR UPDATES TO RESIDENTIAL DEVELOPMENT STANDARDS; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR REPEAL; PROVIDING A PENALTY AS PROVIDED BY SECTION 1-8 OF THE CODE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council (the “Council”) of the City of Jersey Village, Texas (the “City”), determines it in the best interest of the health, safety, and welfare of the citizens of the City’s to amend the City’s Code of Ordinances related to Zoning Regulations (the “Code”); and

WHEREAS, the Planning & Zoning Commission (the “Commissions”) has issued its report and has recommended amendments to the Code to add and amend portions of Chapter 14 of the Code to allow for updated development standards related to residential development; and

WHEREAS, the Commission and the Council have conducted, in the time and manner required by law, a joint public hearing on such amendments; and

WHEREAS, the Council now deems that such requested amendment to the Code is in accordance with the City’s Comprehensive Plan and is appropriate to grant; and, **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

SECTION 1. THAT the facts and matter set forth in the preamble of this Ordinance are hereby found to be true and correct.

SECTION 2. THAT That Section 14-88 of the Code of Ordinances, City of Jersey Village, Texas are hereby amended by repealing and replacing the existing language with language to read as follows:

Sec. 14-88. - Regulations that apply to all districts.

(a) *General regulations.*

(1) No use of private or public property, whether it be residential, business, commercial or industrial, shall be permitted if that use is so obnoxious or offensive as to be reasonably calculated to disturb persons of ordinary temper, sensibilities and disposition by vibration, noise, view or the emission of odor, dust, smoke, or pollution of any other kind.

(2) No use of public street right-of-way or public sidewalk or adjacent property, either private or public, shall be permitted if that use inhibits or hinders the movement of normal traffic on that street or sidewalk.

(3) City maintenance personnel must be allowed free access to utility easement and street rights-of-way so they can perform maintenance and repair of utility systems.

a. No buildings or structures of any type or size, other than fences, shall be permitted on utility easements.

b. If fences are located on utility easements, city maintenance personnel may remove such fences at any time for the purpose of gaining access to utility systems, and no liability will be incurred for damages to, repair of or replacement of such fences.

(4) Any building which has been damaged by fire or other causes to the extent of more than fifty percent (50%) of its value shall be rebuilt in conformity with this article, as though it were a new building, or removed. This shall not apply to damaged structures outside the 100-year (one percent probability) floodplain, in regard to slab height, where the footprint of a structure is not modified and the slab is intact. The building shall be secured from entrance by any unauthorized persons within twenty-four (24) hours after all embers are extinguished. A building permit is required before removal, repair or reconstruction commences which shall be started within sixty (60) days of the date the damage occurs and shall be completed within a reasonable time, but not later than one hundred fifty (150) days after the damage occurs. Before occupancy will be permitted a certificate of occupancy shall be required.

(5) Whenever any street is abandoned, the boundaries of any districts that lie along one side of each street are automatically extended to the centerline of such street.

(6) Vehicles held for sale, lease, or rental in any business or industrial district shall not be parked or stored on unpaved surfaces.

(7) No platted lot shall be reduced in size and no lot area shall be reduced or diminished so that the lot size or the yards shall be smaller than prescribed by this chapter. These regulations shall not apply in District D.

(8) No individual water well or piping for such system shall be connected in any way to any public water supply system.

(9) No oil, gas, or other mineral exploration, production, or drilling operations for minerals of any kind shall be conducted on any lot or parcel of land within the city except in zoning district H (industrial district).

(10) Add-on construction. After a certificate of occupancy has been issued for a building in accordance with section 14-7(b), no add-on type of construction such as patio covers, carports, balconies, stoops, porches, or any structural alteration of the building shall be made unless a new building permit is first obtained from the development officer in accordance with Chapter 14. The plans must be submitted to and approved by the development officer. Requests for a building permit to allow add-on type construction or structural alteration of a building shall indicate that the proposed construction will be in harmony with the style of the original building.

(11) No permit for the erection, alteration, reconstruction, conversion, or use of any building shall be issued by the development officer unless the plan required by Chapter 14 provides for a sidewalk to be constructed on all street sides of such building. This subsection shall apply to all districts of the city, except for Block 42.

(12) Buffering. Buffer yards will be required on the perimeter, or parts thereof, of a nonresidential development adjoining or surrounding residential developments in conjunction with the screening requirements provided below. Buffer yards shall be provided to protect the adjacent residential properties from environmental impact of the nonresidential facility such as visual blight, parking or roadway illumination, headlights, noise, blowing paper and dust and service areas. Buffer yards shall be provided according to the standards provided in Example 14-7. See also sections 14-310 and 14-311 for landscaping standards. These regulations shall not apply in District D.

(13) Screening.

a. For development of nonresidential lots directly abutting and adjacent to residential zoning districts, an obscuring wall shall be required. The required wall shall be located inside the nonresidential lot lines abutting and adjacent to the residential zoning districts; provided, however, where a masonry wall has been constructed in a residential subdivision abutting nonresidential lots prior to development of the nonresidential lots, the masonry wall in the residential lots shall serve as the required screen and shall meet all requirements required of screens on nonresidential lots. Where a masonry wall of at least six (6) in height exists in the residential lots abutting a nonresidential development, the nonresidential developer shall provide a buffer yard one and one-half (1½) times the width required elsewhere in this Code with two (2) times the landscaping requirements in lieu of a second masonry wall.

b. All walls shall be constructed of a solid unpierced masonry material with the surface facing the residential lots constructed of a common or face brick, decorative block or similar material that is compatible with the principal buildings in the adjacent residential areas. Similar material shall not include smooth face concrete masonry blocks or units. Masonry walls shall be erected on a concrete foundation of adequate strength and shall be not less than four (4) inches wider than the wall to be erected.

c. No opening shall be permitted for access through the wall unless a solid gate equally the height of the wall is provided. Such gate shall remain closed at all times except when in actual use.

d. The quality and type of materials used structurally for the walls shall conform with those specified in the building code which apply to foundation footing and supporting materials used in residential construction within the city.

e. Any person causing an excavation to be made on property adjacent to an existing wall shall protect the excavation in such a manner so that the soil of the adjacent property will

not cave in or settle causing damage to the existing wall.

f. Walls shall be maintained to remain harmonious with the surrounding property by being repaired, rebuilt, or replaced at intervals necessary to preserve the health, safety, and welfare of the public. Notification of necessary maintenance will be by certified mail from the development officer to the current property owner who is responsible for the maintenance of the walls constructed.

g. If such freestanding walls are not repaired, rebuilt, or replaced within sixty (60) days after receipt of such notification by certified mail that certain maintenance is deemed necessary for the health, safety, and welfare of the public, such penalties for violation shall be enforced as established in this article and other legal recourse.

h. The use of barbed wire, razor wire, or any other similar material is not allowed. These regulations shall not apply in District D.

(14) Lighting of off-street parking areas or for external illumination of any building and grounds shall be arranged so that the source of light is concealed or shielded from public view and from adjacent residential properties and does not interfere with traffic. These regulations shall not apply in District D.

(15) Temporary buildings shall be permitted only in connection with construction on the premises on which located, which buildings shall be removed upon completion or abandonment of the construction; real estate sales offices during development of residential subdivision in which they are located and limited to sales of property in such subdivisions; and educational, municipal, or church functions operated for the benefit of the public. It shall be unlawful for any person to erect, construct, enlarge, place, locate, or relocate any temporary building on premises within the city, or cause the same to be done, without first obtaining a building permit therefor in accordance with section 14-114. It shall be unlawful for any person to use or occupy a temporary building without first obtaining a certificate of occupancy therefor in accordance with section 14-7(b). A certificate of occupancy shall be limited to the duration of the intended use not to exceed one (1) year; provided, however, that the certificate of occupancy may be extended as follows:

a. Where the temporary building is used for the contractors' offices, equipment storage, model homes and real estate sales offices for residential projects, the certificate of occupancy may be extended at one (1) year intervals until the project is ninety percent (90%) constructed; and

b. Where the temporary building is for a use other than described in subsection (16)a of this section, the certificate of occupancy may be extended for one (1) additional one (1) year period.

A temporary building shall be in compliance with the terms of the building code and all other applicable laws and ordinances. A temporary building shall not be used in any manner constituting a nuisance or interfering with the quiet enjoyment of the neighborhood. These

regulations shall not apply in District D.

(16) Maintenance, fabrication, and repair of equipment or machinery and manufacturing, processing, and assembly of materials, products, and goods shall be performed only on a paved area located within the building lines of a lot, whether within or outside of a building.

(17) Garbage and refuse containers in commercial and industrial zoning districts shall be screened from public view, from adjacent buildings and from adjacent property, public or private. Screens shall be permanent and opaque and of wood, metal, or masonry material, shall be at least as high as the screened object and shall not be less than six (6) feet high. These regulations shall not apply in District D.

(18) Fencing standards. Where chain link fencing is constructed within the city, the fencing material should be a minimum of four (4) feet in height and a maximum of six (6) feet in height. All fencing four (4) feet in height shall be a minimum of eleven (11) gauge galvanized material and all fencing higher than four (4) feet shall be a minimum of nine (9) gauge galvanized material. Barbed wire and razor wire may be used in commercial and industrial districts in combination with the above approved fencing material and shall be installed on top of the fence with the total height above ground not to exceed seven (7) feet. These regulations shall not apply in District D.

(19) A nonresidential building may not be erected on a lot abutting a subdivision containing residential structures closer to the subdivision than fifty (50) feet for a one (1) story building, one hundred (100) feet for a two (2) story building, or one hundred fifty (150) feet for a three (3) or more-story building. These regulations shall not apply in District D.

(20) No sleeping quarters other than those within a permanent residential structure, hotel, or motel shall be used for longer than seven (7) days within a thirty (30) day period; provided that a recreational vehicle or portable building may be used for temporary housing and sleeping quarters by a person whose residence is uninhabitable as a result of flood, fire, or environmental conditions if parked on a paved surface on a private property and with appropriate sewer and electrical connections. No person shall occupy a recreational vehicle or portable building for temporary housing and sleeping quarters without first receiving a permit for such use from the building official. The building official shall issue a permit if the conditions set forth herein are met. The permit shall be valid for the period of time necessary to restore the residence to habitability, as determined by the building official, but not to exceed one hundred twenty (120) days. Any extension to such permit will require approval of the building official and director of public works. These regulations shall not apply in District D.

(21) Any finished floor that is elevated more than twelve (12) inches above natural grade shall be provided with a dropped brick ledge or dropped veneer so as to leave no more than eight (8) inches of slab exposed. All crawl spaces resulting from pier-and-beam and stem-wall types of construction must provide dropped veneers with vents sufficient to cover the sub-slab void.

(b) *Building setbacks.* Unless otherwise specifically provided elsewhere in this article, all buildings and structures located in a district within the city shall conform to the following setbacks

(as measured from the property line):

Lot Line	Setback(In Feet)	Modifier
Front	25	—
Rear	25	(1) Excluding fencing
Side street	10	(1) 25 feet where one or more lots have frontage on the street.
Side	7½	(2) Zero feet for townhouses and one side of patio homes.

SECTION 3. THAT in the event any section, paragraph, subdivision, clause, phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and the City Council of the City of Jersey Village, declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, or whether there be one or more parts.

SECTION 4. THAT all other ordinances or parts of ordinances in conflict or inconsistent herewith are, to the extent of such conflict or inconsistency, hereby repealed.

SECTION 5. THAT any person who shall violate any provision of this Ordinance shall be guilty of a misdemeanor and subject to a fine as provided in Section 1-8.

SECTION 6. THAT this Ordinance shall be in full force and effect from and after its passage.

PASSED, APPROVED, AND ADOPTED this ___ day of _____, 2022.

FOR THE CITY:

BOBBY WARREN, MAYOR

ATTEST:

Lorri Coody, City Secretary

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: F6

AGENDA SUBJECT: Consider Ordinance No. 2022-36, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; by removing Section 104-103.1 in its entirety; and by prescribing the notice requirements for a public hearing.

Department/Prepared By: Lorri Coody, City Secretary **Date Submitted:** September 7, 2022

EXHIBITS: Ordinance 2022-36
Exhibit A - Planning and Zoning Commission’s Preliminary Report

BACKGROUND INFORMATION:

One of the goals in the Comprehensive Plan is to “Encourage quality Community-orientated Retail and Restaurants”, “Encourage quality Community-orientated Entertainment”, to update city codes to conform to the Comprehensive Plan, and to “Review existing development codes to identify incompatibility with the vision and desired uses (higher quality restaurants, services, and entertainment), and to protect residential neighborhoods.”

To that end, this Commission, during its July 11, August 15, and September 7, 2022 meetings, has reviewed Chapter 14, Sections 14-101 through 14-104 for needed updates and has prepared its Preliminary Report in connection with same.

This item is to receive the Planning and Zoning Commission’s preliminary report, call a joint public hearing for October 17, 2022, and prescribe the type of notice to be given, and the time and place of the public hearing required as authorized by Chapter 211.006(c) of the Texas Local Government Code. It must be passed by a two-thirds vote.

RECOMMENDED P&Z ACTION:

MOTION: To approve Ordinance No. 2022-36, receiving the Planning and Zoning Commission’s Preliminary Report and calling a Joint Public Hearing of the City Council and the Planning and Zoning Commission concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; by removing Section 104-103.1 in its entirety; and by prescribing the notice requirements for a public hearing.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

ORDINANCE NO. 2022-36

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, RECEIVING THE PLANNING AND ZONING COMMISSION’S PRELIMINARY REPORT AND CALLING A JOINT PUBLIC HEARING OF THE CITY COUNCIL AND THE PLANNING AND ZONING COMMISSION CONCERNING AMENDMENTS TO CHAPTER 14 “BUILDING AND DEVELOPMENT”, BY AMENDING SECTION 14-5 “DEFINITIONS” TO INCLUDE A DEFINITION FOR HOME OCCUPATION; BY ADDING SECTION 14-100 “RESIDENTIAL PERMITTED USE TABLE” TO CHAPTER 14 “BUILDING AND DEVELOPMENT”; BY REPEALING AND REPLACING SECTIONS 14-101 THROUGH 14-104 OF CHAPTER 14 “BUILDING AND DEVELOPMENT” TO ALLOW FOR UPDATES TO RESIDENTIAL DEVELOPMENT STANDARDS; AND BY REMOVING SECTION 104-103.1 IN ITS ENTIRETY; AND BY PRESCRIBING THE NOTICE REQUIREMENTS FOR A PUBLIC HEARING.

WHEREAS, one of the goals in the Comprehensive Plan is to “Encourage quality Community-orientated Retail and Restaurants”, “Encourage quality Community-orientated Entertainment”, to update city codes to conform to the Comprehensive Plan, and to “Review existing development codes to identify incompatibility with the vision and desired uses (higher quality restaurants, services, and entertainment), and to protect residential neighborhoods;” and

WHEREAS, to that end, on July 11, 2022, August 15, 2022, and September 7, 2022, the Commission engaged in discussions regarding the need to update Chapter 14, Sections 14-101 through 14-104; and

WHEREAS, as a result of these discussions, the Planning and Zoning Commission submits its preliminarily report to City Council, and asks that it be received; and

WHEREAS, Chapter 211.006(c) of the Texas Local Government Code allows home rule municipalities to prescribe, by a two-thirds vote, the type of notice to be given, and the time and place of the public hearing required, to establish zoning regulations; and

WHEREAS, the City Council desires to call a joint public hearing with the Commission concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; and by removing Section 104-103.1 in its entirety; and to provide for specific notice requirements in connection with the joint public hearing; **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

SECTION 1. **THAT**, The City Council hereby finds and determines that the statements set forth in the preamble of this Ordinance are true and correct and are incorporated herein for all purposes.

SECTION 2. **THAT**, the Planning and Zoning Commission’s Preliminary Report concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

“Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; and by removing Section 104-103.1 in its entirety, is hereby received. The complete and correct copy of the Preliminary Report is attached hereto as “Exhibit A” and is fully incorporated herein for all purposes.

SECTION 3. THAT, the City Council and the Planning and Zoning Commission of the City of Jersey Village, Texas will conduct a Joint Public Hearing at 7:00 p.m., October 17, 2022, concerning amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; and by removing Section 104-103.1 in its entirety.

SECTION 4. THAT, the City Secretary be, and she is hereby, directed to give notice of such public hearing by publishing notice in the Houston Chronicle, Cypress Creek Mirror Neighborhood newspaper, a newspaper of general circulation in the City, before the 15th day before the date of the hearing and to post a copy of the Notice on the City’s website and at City Hall.

SECTION 5. THAT, this Ordinance shall be in full force and effect upon the date of its passage by the Council.

PASSED AND APPROVED BY A 2/3 MAJORITY OF THE CITY COUNCIL ON THIS 12th DAY OF SEPTEMBER 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



EXHIBIT A

PLANNING AND ZONING COMMISSION'S
PRELIMINARY REPORT – SEPTEMBER 7, 2022
CHAPTER 14 ARTICLE IV AMENDMENTS



**CITY OF JERSEY VILLAGE – PLANNING & ZONING COMMISSION
PRELIMINARY REPORT
ADDING A DEFINITION FOR “HOME OCCUPATIONS,” ADDING A
NEW SECTION 14-100, REPEALING AND REPLACING SECTIONS
14-101 THROUGH 14-104, AND REMOVING SECTION 103.1**

The Planning and Zoning Commission has met on July 11, August 15, and September 07, 2022, in order to review the Jersey Village Code of Ordinances as they relate to amendments to Chapter 14 “Building and Development”, by amending Section 14-5 “Definitions” to include a definition for home occupation; by adding Section 14-100 “Residential Permitted Use Table” to Chapter 14 “Building and Development”; by repealing and replacing Sections 14-101 through 14-104 of Chapter 14 “Building and Development” to allow for updates to residential development standards; and by removing Section 104-103.1 in its entirety and, if appropriate, prepare for presentation to Council on September 12, 2022, a Preliminary Report with the Commission’s recommendations.

After review and discussion, the Commissioners preliminarily proposed that the Code of Ordinances of the City of Jersey Village, Texas, be amended by adding a definition to Section 14-5 for “home occupations,” by adding a new Section 14-100 “Residential permitted use table”, by repealing and replacing Sections 14-101 through 14-104 in order to allow for updates to residential development standards, and by removing Section 14-103.1 in its entirety.

These preliminary changes to the City’s comprehensive zoning ordinance are more specifically detailed in the proposed ordinance attached as Exhibit “A.”

The next step in the process as required by Section 14-84(c)(2)(b) of the Jersey Village Code of Ordinances is for Council to call a joint public hearing with the Planning and Zoning Commission.

Respectfully submitted, this 7th day of September 2022.

s/Rick Faircloth, Chairman

ATTEST:

s/Lorri Coody, City Secretary



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Exhibit A

Proposed Ordinance

ORDINANCE NO. 2022-xx

AN ORDINANCE AMENDING CHAPTER 14 OF THE CODE OF ORDINANCES OF THE CITY OF JERSEY VILLAGE, TEXAS, BY AMENDING CHAPTER 14 “BUILDING AND DEVELOPMENT”, BY AMENDING SECTION 14-5 “DEFINITIONS” TO INCLUDE A DEFINITION FOR HOME OCCUPATION; ADDING SECTION 14-100 “RESIDENTIAL PERMITTED USE TABLE” TO CHAPTER 14 “BUILDING AND DEVELOPMENT”; REPEALING AND REPLACING SECTIONS 14-101 THROUGH 14-104 OF CHAPTER 14 “BUILDING AND DEVELOPMENT” TO ALLOW FOR UPDATES TO RESIDENTIAL DEVELOPMENT STANDARDS; PROVIDING THAT SECTION 104-103.1 IS REMOVED IN ITS ENTIRETY; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR REPEAL; PROVIDING A PENALTY AS PROVIDED BY SECTION 1-8 OF THE CODE; AND, PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council (the “Council”) of the City of Jersey Village, Texas (the “City”), determines it in the best interest of the health, safety, and welfare of the citizens of the City’s to amend the City’s Code of Ordinances related to Zoning Regulations (the “Code”); and

WHEREAS, the Planning & Zoning Commission (the “Commissions”) has issued its report and has recommended amendments to the Code to add and amend portions of Chapter 14 of the Code to allow for updated development standards related to residential development; and

WHEREAS, the Commission and the Council have conducted, in the time and manner required by law, a joint public hearing on such amendments; and

WHEREAS, the Council now deems that such requested amendment to the Code is in accordance with the City’s Comprehensive Plan and is appropriate to grant; and, **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

SECTION 1. THAT the facts and matter set forth in the preamble of this Ordinance are hereby found to be true and correct.

SECTION 2. THAT, Section 14-5 “Definitions” of Chapter 14 “Building and Development” of the Code of Ordinances, City of Jersey Village, Texas is hereby amended to read as follows (with such amended language to be included in the appropriate alphabetical order within the existing portion of Section 14-5):

“Home occupation means an accessory occupational use conducted entirely within a dwelling unit by its inhabitants that is clearly incidental to the use of the structure for residential purposes and that does not change the residential character of the site. A home occupation may include an operation in which members of the immediate family sell or offer for sale articles which they produce on the premises; but home occupation does not include operations that use persons who do not reside on the premises to either: (1) sell or offer for sale such articles; or, (2) produce such articles. Additionally, animal hospitals, animal kennels, barber shops, beauty shops, clinics, doctor's offices, dress shops, hospitals,

insurance offices, millinery shops, real estate offices, tearooms, tourist homes, palm readers, fortune tellers, among others and as examples only, are not home occupations.”

SECTION 3. THAT the Code of Ordinances, City of Jersey Village, Texas is hereby amended by adding a section, to be numbered Section 14-100, which section reads as follows:

“Sec. 14-100. Residential Permitted Use Table.

USE	District A	District B	District C	District C-2	District M
Churches or other places of worship and related schools	PC See Note 6	PC See Note 6			
Electric power lines and Electric substations	PC See Note 2	PC See Note 2			
Golf courses and country clubs	P	P			
Greenhouse	A	A			
Home occupations	PC See Note 1	PC See Note 1	PC See Note 1	PC See Note 1	PC See Note 1
Model homes	PC See Note 3	PC See Note 3	PC See Note 3		
Multi-family dwellings					P
Municipal government buildings, police stations, fire stations, and public libraries	P	P			
Patio homes		P	P		
Public parks and playgrounds, public recreational facilities, public schools, community buildings and public museums not operated for profit	P	P			
Single-family dwellings	P	P			
Townhouses		P	P	PC See Note 4	
Water supply reservoirs, filter beds, towers, surface or below surface tanks, artesian wells, water pumping plants and water wells	P	P			

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Additional Structures. Accessory uses and freestanding structures in addition to a single-family dwelling:					
Accessory quarters	PC See Note 5	PC See Note 5			
Detached private garage (1)	A	A			
Utility structure	A	A			
Greenhouse	A	A			
Hobby structure	A	A			
Pet house	A	A			
Playhouse	A	A			
Gazebo	A	A			
Cabana or dressing room	A	A			
Pool cover	A	A			
PC Notes.					
<p><u>Note 1:</u> To operate a home occupation, the following standards shall be met:</p> <ul style="list-style-type: none"> (1) The home occupation must be clearly incidental to the use of the dwelling as a residence; (2) No outdoor sign, display or storage of materials, goods, supplies or equipment shall be allowed; (3) There shall be no change to the exterior of the building nor any visible evidence or signs that the residence contains a home occupation; (4) A home occupation shall not generate a nuisance such as traffic, on-street parking, noise, and electrical interference or hazards; (5) The maximum area devoted to a home occupation shall be 25 percent of the gross floor area of the dwelling unit; (6) The home occupation shall not use employees who do not reside on the premises. 					
<p><u>Note 2:</u> Including accessory uses customarily incidental thereto; provided that any such accessory use shall not be so obnoxious or offensive as to be reasonably calculated to disturb persons of ordinary temper, sensibilities and disposition by reason of vibration, noise, view or the emission of odor, dust, smoke or pollution of any other kind. The height and area, construction, and other regulations provided by this section shall not apply to uses allowed by this subsection.</p>					

Note 3: Provided that a builder may have no more than one model home in a subdivision. A model home must have a temporary certificate of occupancy and may be open for business only between the hours of 6:00 a.m. and 9:00 p.m. Use of a structure as a model home shall terminate on the first of the following events to occur:

- (1) the expiration of 30 days after building permits have been issued for 90 percent of the lots in the subdivision;
- (2) the expiration of 30 days after building permits have been issued for all lots owned by the builder in the subdivision; or
- (3) the expiration of 180 days after issuance of the latest building permit to the builder for a lot in the subdivision.

Note 4: Single-family townhouse style dwelling units in a unified development: No “flats” or apartment style building shall be constructed in the district.

Note 5: A dwelling unit meeting all of the following criteria:

- (1) It is located on the same building site as a principal building containing a dwelling used for single-family (detached) use (can include a kitchen); and
- (2) It includes no more than six hundred square feet of gross floor area; unless located on the second story of a garage, then the maximum gross floor area is the footprint of the garage.

Note 6: Churches or other places of worship which shall contain not less than 4,000 square feet of ground floor area. No church or other place of worship shall be constructed on a lot having less than five acres of total area.

Legend
P = Permitted Use
A = Accessory Use
PC = Permitted Use with Conditions

SECTION 4. THAT Sections 14-101 through 14-104 of the Code of Ordinances, City of Jersey Village, Texas are hereby amended by repealing and replacing the existing language with language to read as follows:

“Sec. 14-101. Regulations for district A (single-family dwelling district).

(a) Use regulations. No building or land shall be used, and no building shall be hereafter erected, moved or altered in district A except for as provided in Sec. 14-100.

(b) Setbacks.

Setbacks (feet) for Single-Family Residential and Related Structures	
Single-Family Residential	
Front	25'
Rear	25'
Side	7.5'
Side Street ¹	10'
Attached Garages	
Garage	25' from front of home closest to the building line.
Detached Private Garages & Freestanding Structures (≥ 70' to front lot line)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to side street lot line
To Dwelling	10' to single-family dwelling
Detached Private Garages & Freestanding Structures (< 70' to front lot line)	
Front	25'
Rear	25'
Side	7.5'
Side Street	10'
Garages & Carports (Front Loaded)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to rear lot line
Garages & Carports (Side Street Loaded)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	20' to side street line
Notes	

(1) Where one or more lots have frontage on a street, all other lots in that block with side lot lines on the same street shall have a setback requirement of 25 feet.

Setbacks (feet) for Non-Residential Buildings	
Non-Residential Buildings	
Front	25' to front lot line
Side	25' to side lot line
Rear	25' to rear lot line

(c) Height.

1) Single-family residences shall not exceed two and one half (2½) stories in height, except for Blocks 26, 38, 41, 42 and 47, which shall not exceed one and one half (1½) stories.

a. The maximum height of a two and one half (2½) story home shall be thirty-five (35) feet from the finished floor.

b. The maximum height of a one and one half (1½) story home shall be twenty-five (25) feet from the finished floor.

2) Calculating the maximum height of a single-family property. The maximum height of a finished floor for a single-family dwelling, structures, or accessory structures are determined by the following locations:

a. **Floodway:** A maximum finished floor of three (3) feet above the 100-year floodplain.

b. **AE (100-year floodplain):** A maximum finished floor of two (2) feet above the 100-year floodplain.

c. **X-Shaded (500-year floodplain):** A maximum finished floor of one (1) foot above the 500-year floodplain elevation.

d. **X-Unshaded:** A maximum finished floor of two (2) feet above the crown of the street or sidewalk, whichever is greater.

3) Any finished floor that is elevated more than twelve (12) inches above natural grade shall be provided with a dropped brick ledge or dropped veneer so as to leave no more than eight (8) inches of slab exposed. All crawl spaces resulting from pier-and-beam and stem-wall types of construction must provide dropped veneers with vents sufficient to cover the sub-slab void.

(d) Building area and add-on construction.

1) Single-family dwellings shall have a building area of at least one thousand seven hundred fifty (1,750) square feet for single-floor residences, or one thousand two hundred (1,200) square feet on the ground floor for multistory residences.

2) Nonresidential buildings shall contain not less than one thousand (1,000) square feet of ground floor area, except for churches or other places of worship which shall contain not less than four thousand (4,000) square feet of ground floor area.

3) Where add-on construction to a single-family detached dwelling in district A involves structural alternation that will increase the square footage of an enclosed living area on the ground floor, such add-on construction shall be permitted only to the side or rear of the existing dwelling, as space on the lot may allow while maintaining conformance with the applicable standards for minimum side and rear building setbacks. Where such add-on construction will result in a finished building height that at any point exceeds the height of the front façade of the existing dwelling at any point, the add-on construction shall be permitted only to the rear of the existing dwelling.

(e) Parking.

1) The number of parking spaces for a single-family residential dwelling shall be a minimum of two (2) parking spaces per dwelling unit.

2) The parking of private recreational vehicles (manufactured or home-made) including, but not limited to, motor homes, mini-motor homes, travel trailers, 5th-wheel trailers, camping trailers, boat trailers, other trailers used for recreational purposes only, truck campers, all-terrain vehicles and all types of watercraft including boats and jet skis (motorized or propelled by any other means) shall not be parked or stored in front or side yards in zoning district A except for temporary periods of time not exceeding three consecutive days within a single calendar month. A recreational vehicle shall not be parked or stored in a rear yard in zoning district A unless such a vehicle is screened from public view by a six (6) foot solid wood, opaque, wrought iron, masonry or other equivalent screening fence material approved by the Building Official. When parked or stored, such vehicles shall have no part projecting past the front of the home. Nothing in this chapter is intended to preclude the construction of a properly permitted building that will enclose and screen recreational vehicles.

3) Commercial trailers or semi-trucks are not permitted to be stored within residential districts at any time.

4) Trucks and vans, larger than one (1) ton in capacity, and self-propelled, self-powered, or pull-type equipment that weighs at least three thousand (3,000) pounds and that are intended to be used for commercial, agricultural, construction, or industrial uses, trailers and towed vehicles shall not be parked or stored in a front, side, or rear yard in district A except during the act of loading or unloading and except in connection with the provision of services to the property at which is parked.

5) Truck tractors shall not be stored or parked in district A except during the act of loading or unloading.

6) No vehicle shall be parked or stored on an unpaved surface in a front or side yard in zoning district A.

(f) Additional Structures. Freestanding structures in addition to a single-family dwelling.

1) Freestanding structures shall not exceed one (1) story in height, the height of the home, or fifteen (15) feet, whichever is less.

2) The maximum square footage of any one freestanding structure shall be one thousand (1,000) square feet.

3) The maximum square footage of freestanding structures shall be fifty percent (50%) of the square footage of the main structure. The square footage of a detached garage shall be excluded from this calculation.

4) The maximum lot coverage in the rear yard shall be sixty percent (60%) (includes all non-pervious coverage such as concrete and pool coping).

5) The maximum number of accessory freestanding structures in the rear yard shall be four (4).

6) Building permits are not required for accessory freestanding structures provided that such structures shall have a building area of less than twenty-five (25) square feet and provided that no utilities are installed.

(g) Attached and Detached Garages.

1) Detached garages are permitted to have a maximum height of two (2) stories or the height of the home, whichever is less.

2) Detached private garages shall not exceed four (4) car capacity or one thousand (1,000) square feet of ground floor area.

3) Detached private garages and other freestanding structures exceeding one (1) story in height shall not have second story openings facing the nearest side or rear lot line, except as may be required to comply with standards for emergency access and egress.

4) An attached or detached private garage which loads from a side street shall not be located closer than twenty (20) feet to the side street line.

5) Garages with a breezeway width measuring less than eight (8) feet shall be considered detached from the primary structure.

(h) Lot size.

1) No lot in this district for a single-family detached dwelling shall have a total area that exceeds by more than twenty percent (20%) the total area of any other lot for a single-family detached dwelling on the same block face.

2) Residential lots shall have a minimum of fifty percent (50%) of the required front yard and required side yards adjacent to a side street devoted to landscaping.

(i) Masonry Standards. The exterior walls on all residences in district A shall be a least seventy-five percent (75%) masonry construction to the top elevation line of the building sides of the first floor. Slab on grade home elevations must install masonry skirts to cover the sub-slab void or crawlspace, below exterior walls. The style and quality of all carports, detached private garages, and freestanding structures constructed after a certificate of occupancy shall conform to the original structure, provided, however, that only utility structures may have metal facades.

1) Masonry construction may include brick, stucco, or stone material. Stucco must be integrally colored or otherwise finished with a coating.

2) Use of CMU for exterior wall veneers is prohibited in this district, except that split-face concrete blocks, integrally colored or otherwise finished with a coating, may be utilized for the construction of veneer skirts for slab on grade home elevations. EIFS is prohibited.

(j) Fences and hedges.

1) No fence in district A shall be permitted in the front yard, extending past the building setback line. For side street fencing, where one (1) or more lots have frontage on the street, wrought iron style fencing may be installed to within two (2) feet of the public sidewalk and shall not encroach beyond the side lot line.

2) Fences and hedges in district A may not be erected or planted directly on a property line without the express agreement of the property owners on both sides of the property line.

3) Fences in district A shall not:

a. Exceed eight (8) feet in height, except for chain-link fencing, with chain-link fencing being a maximum of six (6) feet in height;

b. Be topped with barbed or razor wire;

c. Be electrified; or,

d. Be constructed of (or modified with) any fencing material(s) intended to be injurious or malicious in nature (such as, but not limited to, broken glass or metal spikes) that have the potential to cause bodily harm or injury.

4) Fences in district A shall be constructed of the following materials, such as:

a. Chain-link:

- i. All chain-link fencing to be a minimum of four feet in height, a maximum of six (6) feet in height, and shall be a minimum of eleven (11) gauge galvanized material.
- ii. All chain-link fencing higher than four (4) feet shall be a minimum of nine (9) gauge galvanized material.

b. Redwood.

c. Cedar.

d. Wrought iron.

e. Brick or other approved material of equal quality.

4) Refuse containers or similar equipment on nonresidential lots in district A shall be screened from public view, and from adjacent buildings or property, whether public or private. Such screening shall be permanent and opaque and of wood, metal or masonry material and shall be at least as high as the screened object, but in no event shall be less than six (6) feet in height.

(k) Minimum Landscaped areas.

1) Specific standards.

a. Residential lots shall have landscaped areas which in the aggregate include not less than fifty percent (50%) of the area contained within the building setbacks.

b. A minimum of two (2) trees (either existing or planted) measuring one (1) inch or greater in diameter four (4) feet above the ground at time of planting or measurement (if existing) are required within the front or side street setback areas.

c. Landscaping shall be in harmony with the surrounding area adequate to minimize visual monotony and barrenness.

2) See Chapter 14, Article XII. – Landscaping, Buffer yard, Park and Open Space Standards for additional landscaping requirements.

Sec. 14-102. Regulations for district B (townhouse/patio home district).

(a) Use regulations. No building or land shall be used and no building shall be hereafter erected, moved or altered in district B except for as provided in Sec. 14-100.

(b) Setbacks.

Setbacks (feet) for Single-Family Residential and Related Structures

Single-Family Residential	
Front	25'
Rear	25'
Side	7.5'
Side Street ¹	10'
Attached Garages	
Garage	25' from front of home closest to the building line.
Detached Private Garages & Accessory Structures (≥ 70' to front lot line)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to side street lot line
To Dwelling	10' to single-family dwelling
Detached Private Garages & Accessory Structures (< 70' to front lot line)	
Front	25'
Rear	25'
Side	7.5'
Side Street	10'
Garages & Carports (Front Loaded)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to rear lot line
Garages & Carports (Side Street Loaded)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	20' to side street line
Notes	
⁽¹⁾ Where one or more lots have frontage on a street, all other lots in that block with frontage on the same street shall have a setback requirement of 25 feet.	

Setbacks (feet) for Non-Residential Buildings	
Non-Residential Buildings	
Front	25' to front lot line

Side	25' to side lot line
Rear	25' to rear lot line

Setbacks (feet) for Townhouses and Patio Homes		
Lot Line	Setback (Feet)	Modifier
Front	25	-
Rear	25	(1) Excluding fencing
Side Street	10	-
Side	7.5	(2) Zero feet for townhouses and one side of patio homes
Notes		
<p>Note 1: For townhouse lots, the setbacks established in section 14-88(b) are modified as follows:</p> <p>(i) Building that do not abut a building on an adjacent lot with a common firewall between them shall not be closer than five feet to a side lot line on that side.</p> <p>(ii) Abutting building shall have a common firewall that complies with current city building codes.</p> <p>(iii) A series of abutting buildings shall not have a combined width of greater than 300 feet.</p> <p>(iv) Each group of abutting building shall be separated on the side by an open space of not less than ten feet to the next side lot line.</p>		

(c) Building area. For townhouses and patio homes: The building area shall be not less than one thousand four hundred (1,400) square feet.

(d) Height.

1) For single-family detached residences, the maximum height of a two and one-half (2 ½) story home shall be thirty-five (35) feet from the finished floor.

2) For townhouses and patio homes: The height of buildings shall not exceed two (2) stories and thirty (30) feet from the finished floor.

3) For other uses: Buildings shall not exceed twenty-five (25) feet in height from the finished floor.

4) Calculating the maximum height of a single-family, townhouse, or patio home property. The maximum height of a finished floor for a single-family dwelling, townhouse, patio home, structures, or accessory structures are determined by the following locations:

a. **Floodway:** A maximum finished floor of three (3) feet above the 100-year floodplain.

b. **AE (100-year floodplain):** A maximum finished floor of two (2) feet above the 100-year floodplain.

c. **X-Shaded (500-year floodplain):** A maximum finished floor of one (1) foot above the 500-year floodplain elevation.

d. **X-Unshaded:** A maximum finished floor of two (2) feet above the crown of the street or sidewalk, whichever is greater.

5) Any finished floor that is elevated more than twelve (12) inches above natural grade shall be provided with a dropped brick ledge or dropped veneer so as to leave no more than eight (8) inches of slab exposed. All crawl spaces resulting from pier-and-beam and stem-wall types of construction must provide dropped veneers with vents sufficient to cover the sub-slab void.

(e) **Parking.** The number of parking spaces for single-family dwellings, townhouses, and patio homes shall be a minimum of two (2) parking spaces per dwelling unit.

(f) **Additional Structures.** Accessory structures in addition to a single-family dwelling.

1) Accessory structures shall not exceed one (1) story in height, the height of the home, or fifteen (15) feet, whichever is less.

2) The maximum square footage of accessory structures shall be fifty percent (50%) of the square footage of the main structure.

3) The maximum lot coverage in the rear yard shall be sixty percent (60%) (includes all non-pervious coverage such as concrete and pool coping).

4) The maximum number of accessory structures in the rear yard shall be four (4).

5) Building permits are not required for accessory freestanding structures provided that such structures shall have a building area of less than twenty-five (25) square feet and provided that no utilities are installed.

(g) **Attached and Detached Garages.**

1) Detached garages are permitted to have a maximum height of two (2) stories or the height of the home, whichever is less.

2) Detached private garages shall not exceed four (4) car capacity or one thousand (1,000) square feet of ground floor area.

3) Detached private garages and other accessory structures exceeding one (1) story in height shall not have second story openings facing the nearest side or rear lot line, except as may be required to comply with standards for emergency access and egress.

4) An attached or detached private garage which loads from a side street shall not be located closer than twenty (20) feet to the side street line.

(h) Lot size for townhouses. The minimum lot size shall be two thousand (2,000) square feet, with a maximum density not to exceed ten (10) dwelling units per acre.

(i) Construction/Masonry Standards.

1) For uses permitted in district A, the construction regulations provided by subsection 14-101(c) for district A shall apply in district B. For townhouses and patio homes, the construction regulations provided by subsection 14-103(c) shall apply in district B.

2) Exterior walls shall have at least seventy-five percent (75%) masonry construction to the top elevation line of the building sides of the first floor.

a. Masonry construction may include brick, stucco, or stone material.

b. Use of CMU for exterior wall veneers prohibited in this district. EIFS is prohibited.

3) Townhouses:

a. At least one (1) wall of the living unit must be wholly coincident with the zero-property line.

b. Walls coincident with zero-property lines must be masonry without openings. If an open court is placed on the zero-property line, a minimum of six (6) feet high masonry wall shall enclose the side of the court coincident with the zero-property line.

c. No roof water may be drained to the zero-property line side.

d. No water, electrical panels, plumbing elements, fireplace cleanouts, etc. may be placed on the zero-property line wall.

e. Where a roof overhang over an adjacent lot is proposed a ten (10) foot access easement for maintenance shall be provided on said adjacent lot.

4) Garden/patio homes.

a. The wall that is coincident with or less than five (5) feet to a property line must be masonry without openings.

b. No roof water may be drained on to the adjacent lot or lots.

c. No water, electrical panels, plumbing elements, fireplace cleanouts, etc. may be placed on a wall coincident with or less than five (5) feet to a property line.

d. The minimum building separation between the sides of adjacent dwellings shall be ten (10) feet.

e. Where a roof overhang over an adjacent lot is proposed a five (5) foot access easement for maintenance shall be provided on said adjacent lot.

f. See also subsection 14-135(b), lot line developments, for subdivision platting standards.

(j) Other regulations; Fences and hedges.

1) Fences and walls in district B shall not:

a. Exceed eight (8) feet in height, except for chain-link fencing.

b. Chain-link fencing shall be a maximum of six (6) feet in height.

c. Be topped with barbed or razor wire.

d. Be electrified.

e. Be constructed of (or modified with) any fencing material(s) intended to be injurious or malicious in nature (such as, but not limited to, broken glass or metal spikes) that have the potential to cause bodily harm or injury.

2) Fences in district B shall be constructed of the following materials, such as:

a. Chain-link

i. All chain-link fencing to be a minimum of four (4) feet in height, a maximum of six (6) feet in height, and shall be a minimum of eleven (11) gauge galvanized material.

ii. All chain-link fencing higher than four (4) feet shall be a minimum of nine (9) gauge galvanized material.

b. Redwood

c. Cedar

d. Wrought iron

e. Brick or other approved material of equal quality.

3) Boundary between district B, the eastern business district, and the White Oak Bayou Wastewater Treatment Plant Site. Fences and walls shall not:

- a. Exceed twelve (12) feet in height,
- b. Be topped with barbed or razor wire.
- c. Be electrified.
- d. Be constructed of (or modified with) any fencing material(s) intended to be injurious or malicious in nature (such as, but not limited to, broken glass or metal spikes) that have the potential to cause bodily harm or injury.

4) Boundary between district B, the eastern business district, and the White Oak Bayou Wastewater Treatment Plant Site. Fences and walls shall be constructed of the following materials such as:

- a. Redwood
- b. Cedar
- c. Wrought iron
- d. Brick or other approved materials of equal quality with metal posts set in eighteen (18) inch diameter concrete at least one-third (1/3) the fence height in depth. Construction shall be in accordance with the building code with a foundation designed by an engineer registered in the state.

(k) Minimum Landscaped areas.

1) Specific standards.

- a. Residential lots shall have landscaped areas which in the aggregate include not less than fifty percent (50%) of the area contained within the building setbacks.
- b. A minimum of two (2) trees (either existing or planted) measuring one (1) inch or greater in diameter four (4) feet above the ground at time of planting or measurement (if existing) are required within the front or side street setback areas.
- c. Landscaping shall be in harmony with the surrounding area adequate to minimize visual monotony and barrenness.

2) See Chapter 14, Article XII. – Landscaping, Buffer yard, Park and Open Space Standards for additional landscaping requirements.

Sec. 14-103. Regulations for district C—Townhouse/patio home district.

(a) Use regulations. No building or land shall be used and no building shall be hereafter erected, moved or altered in district C except for as provided in Sec. 14-100.

(b) Setbacks.

Setbacks (feet) for Townhouses and Patio Homes		
Lot Line	Setback (Feet)	Modifier
Front	25	-
Rear	25	(1) Excluding fencing
Side Street	10	
Side	7.5	(2) Zero feet for townhouses and one side of patio homes
Notes		
<p>Note 1: For townhouse lots, the setbacks established in section 14-88(b) are modified as follows:</p> <p>(i) Building that do not abut a building on an adjacent lot with a common firewall between them shall not be closer than five feet to a side lot line on that side.</p> <p>(ii) Abutting building shall have a common firewall that complies with current city building codes.</p> <p>(iii) A series of abutting buildings shall not have a combined width of greater than 300 feet.</p> <p>(iv) Each group of abutting building shall be separated on the side by an open space of not less than ten feet to the next side lot line.</p>		

Setbacks (feet) for District C	
Detached Private Garages & Accessory Structures (≥ 70' to front lot line)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to side street lot line
To Dwelling	10' to single-family dwelling
Detached Private Garages & Accessory Structures (< 70' to front lot line)	
Front	25'
Rear	25'
Side	7.5'
Side Street	10'
Garages & Carports (Front Loaded)	
Rear	10' to rear lot line
Side	3' to side lot line
Side Street	10' to rear lot line
Garages & Carports (Side Street Loaded)	

Rear	10' to rear lot line
Side	3' to side lot line
Side Street	20' to side street line
Notes	
⁽¹⁾ Where one or more lots have frontage on a street, all other lots in that block with side lot lines on the same street shall have a setback requirement of 25 feet.	

(c) Building area for townhouses and patio homes shall be not less than one thousand four hundred (1,400) square feet.

(d) Height.

1) For single-family detached residences, the maximum height of a two and one half (2½) story home shall be thirty-five (35) feet from the finished floor.

2) For townhouses and patio homes: The height of buildings shall not exceed two (2) stories and thirty (30) feet from the finished floor.

3) For other uses: Buildings shall not exceed twenty-five (25) feet in height from the finished floor.

4) Calculating the maximum height of a single-family, townhouse, or patio home property. The maximum height of a finished floor for a single-family dwelling, townhouse, patio home, structures, or accessory structures are determined by the following locations:

a. **Floodway:** A maximum finished floor of three (3) feet above the 100-year floodplain.

b. **AE (100-year floodplain):** A maximum finished floor of two (2) feet above the 100-year floodplain.

c. **X-Shaded (500-year floodplain):** A maximum finished floor of one (1) foot above the 500-year floodplain elevation.

d. **X-Unshaded:** A maximum finished floor of two (2) feet above the crown of the street or sidewalk, whichever is greater.

5) Any finished floor that is elevated more than twelve (12) inches above natural grade shall be provided with a dropped brick ledge or dropped veneer so as to leave no more than eight (8) inches of slab exposed. All crawl spaces resulting from pier-and-beam and stem-wall types of construction must provide dropped veneers with vents sufficient to cover the sub-slab void.

(e) Lot size for townhouses: The minimum lot size shall be two thousand (2,000) square feet, with a maximum density not to exceed ten (10) dwelling units per acre.

(f) Parking.

1) The number of parking spaces for single-family dwellings, townhouses, and patio homes shall be a minimum of two (2) parking spaces per dwelling unit.

2) The parking of private recreational vehicles (manufactured or home-made) including, but not limited to, motor homes, mini-motor homes, travel trailers, 5th-wheel trailers, camping trailers, boat trailers, other trailers used for recreational purposes only, truck campers, all-terrain vehicles and all types of watercraft including boats and jet skis (motorized or propelled by any other means) shall not be parked or stored in front or side yards in zoning district C except for temporary periods of time not exceeding three (3) consecutive days within a single calendar month. A recreational vehicle shall not be parked or stored in a rear yard in zoning district C unless such a vehicle is screened from public view by a six (6) foot solid wood, opaque, wrought iron, masonry or other equivalent screening fence material approved by the Building Official. When parked or stored, such vehicles shall have no part projecting past the front of the home. Nothing in this chapter is intended to preclude the construction of a properly permitted building that will enclose and screen recreational vehicles.

3) Trucks and vans, larger than one (1) ton in capacity, and self-propelled, self-powered, or pull-type equipment that weighs at least three thousand (3,000) pounds and that are intended to be used for commercial, agricultural, construction, or industrial uses, trailers and towed vehicles shall not be parked or stored in a front, side, or rear yard in district C except during the act of loading or unloading and except in connection with the provision of services to the property at which is parked.

4) Truck tractors shall not be stored or parked in zoning district C except during the act of loading or unloading.

5) No vehicle shall be parked or stored on an unpaved surface in a front or side yard in zoning district C.

6) Commercial trailers or semi-trucks are not permitted to be stored within residential districts at any time.

(g) Lot size. Minimum lot size for townhouses shall be two thousand (2,000) square feet, with a maximum density not to exceed ten (10) dwelling units per acre.

(h) Construction/Masonry Standards.

1) Exterior walls shall have at least seventy-five percent (75%) masonry construction to the top elevation line of the building sides of the first floor.

a. Masonry construction may include brick, stucco, or stone material.

b. Use of CMU for exterior wall veneers prohibited in this district. EIFS is prohibited.

2) Townhouses:

- a. At least one (1) wall of the living unit must be wholly coincident with the zero-property line.
- b. Walls coincident with zero-property lines must be masonry without openings. If an open court is placed on the zero-property line, a minimum of six (6) feet high masonry wall shall enclose the side of the court coincident with the zero-property line.
- c. No roof water may be drained to the zero-property line side.
- d. No water, electrical panels, plumbing elements, fireplace cleanouts, etc. may be placed on the zero-property line wall.
- e. Where a roof overhang over an adjacent lot is proposed a ten (10) foot access easement for maintenance shall be provided on said adjacent lot.

3) Garden/patio homes.

- a. The wall that is coincident with or less than five (5) feet to a property line must be masonry without openings.
- b. No roof water may be drained on to the adjacent lot or lots.
- c. No water, electrical panels, plumbing elements, fireplace cleanouts, etc. may be placed on a wall coincident with or less than five (5) feet to a property line.
- d. The minimum building separation between the sides of adjacent dwellings shall be ten (10) feet.
- e. Where a roof overhang over an adjacent lot is proposed a five (5) foot access easement for maintenance shall be provided on said adjacent lot.
- f. See also subsection 14-135(b), lot line developments, for subdivision platting standards.

(i) Other regulations; Fences and hedges.

1) No fence in district C shall be permitted in the front yard, extending past the building setback line. For side street fencing, where one or more lots have frontage on the street, wrought iron style fencing may be installed to within two (2) feet of the public sidewalk and shall not encroach beyond the side lot line.

2) Fences and hedges in district C may not be erected or planted directly on a property line without the express agreement of the property owners on both sides of the property line.

3) Fences in district C shall not:

- a. Exceed eight (8) feet in height, except for chain-link fencing, with chain-link fencing being a maximum of six (6) feet in height.
- b. Be topped with barbed or razor wire.
- c. Be electrified.
- d. Be constructed of (or modified with) any fencing material(s) intended to be injurious or malicious in nature (such as, but not limited to, broken glass or metal spikes) that have the potential to cause bodily harm or injury.

4) Fences in district C shall be constructed of the following materials, such as:

a. Chain-link

- i. All chain-link fencing to be a minimum of four (4) feet in height, a maximum of six (6) feet in height, and shall be a minimum of eleven (11) gauge galvanized material
- ii. All chain-link fencing higher than four (4) feet shall be a minimum of nine (9) gauge galvanized material.

b. Redwood

c. Cedar

d. Wrought iron

e. Brick or other approved material of equal quality.

(j) Minimum Landscaped areas.

1) Specific standards.

- 1. Residential lots shall have landscaped areas which in the aggregate include not less than fifty (50%) percent of the area contained within the building setbacks.
- 2. A minimum of two (2) trees (either existing or planted) measuring one (1) inch or greater in diameter four (4) feet above the ground at time of planting or measurement (if existing) are required within the front or side street setback areas.
- 3. Landscaping shall be in harmony with the surrounding area adequate to minimize visual monotony and barrenness.

2) See Chapter 14, Article XII. – Landscaping, Buffer yard, Park and Open Space Standards for additional landscaping requirements.

Sec. 14-104. Regulations for district M (multifamily dwelling district).

(a) Use regulations. No building or land shall be used and no building shall be hereafter erected, moved or altered in district M except for as provided in Sec. 14-100.

(b) Setbacks.

Setbacks (feet) for Single-Family Residential and Related Structures	
Multi-Family Residential	
Front	25'
Rear ⁽²⁾	25'
Side	7.5'
Side Street ¹	10'
Notes	
⁽¹⁾ Where one or more lots have frontage on a street, all other lots in that block with side lot lines on the same street shall have a setback requirement of 25 feet.	
⁽²⁾ Excluding fencing	

(c) Building area.

- 1) Multi-family buildings shall contain not less than two thousand (2,000) square feet nor more than twenty-one thousand (21,000) square feet of ground floor area.
- 2) Accessory buildings shall contain not less than one hundred (100) square feet nor more than fifteen thousand (15,000) square feet of ground floor area. Accessory structures shall be constructed of permanent material.
- 3) Portable buildings of a temporary nature are prohibited.

(d) Height.

- 1) No building shall exceed fifty (50) feet or three (3) stories in height from the finished floor.
- 2) Calculating the maximum height of a multi-family property. The maximum height of a finished floor for a multi-family dwelling is determined by the following locations:
 - a. **Floodway:** A maximum finished floor of three (3) feet above the 100-year floodplain.
 - b. **AE (100-year floodplain):** A maximum finished floor of two (2) feet above the 100-year floodplain.

c. **X-Shaded (500-year floodplain):** A maximum finished floor of one (1) foot above the 500-year floodplain elevation.

d. **X-Unshaded:** A maximum finished floor of two (2) feet above the crown of the street or sidewalk, whichever is greater.

3) Any finished floor that is elevated more than twelve (12) inches above natural grade shall be provided with a dropped brick ledge or dropped veneer so as to leave no more than eight (8) inches of slab exposed. All crawl spaces resulting from pier-and-beam and stem-wall types of construction must provide dropped veneers with vents sufficient to cover the sub-slab void.

(e) Parking.

1) The number of parking spaces for a multi-family residential dwelling shall be as follows:

a. One (1) Bedroom: One and one-half (1½) parking spaces per dwelling unit.

b. Two (2) Bedrooms: Two and one-half (2½) parking spaces per dwelling unit.

c. Three (3) or more bedrooms: Three and one-half (3½) parking spaces per dwelling unit.

d. Rooming house/Boarding House: One (1) parking space per two (2) beds.

e. Congregate housing: One (1) parking space per two (2) beds.

2) For multifamily complexes with ten (10) or more units, the required number of guest parking spaces will be determined by multiplying the total number of parking spaces otherwise required for such apartment complexes by 0.05.

3) All parking shall be ground level.

(f) Lot size. No lot in this district shall have less than four and one half (4½) acres of total area.

(g) Density. The density of multi-family dwelling units shall not exceed twelve (12) units per acre for the entire district.

(h) Construction/Masonry Standards. The exterior walls on all primary building in district M shall be at least forty percent (40%) masonry construction to the top elevation line of the building sides of the first floor. The style and quality of all accessory structures shall conform to the standards of the primary structure(s).

a. Masonry construction may include brick, stucco, or stone material.

b. Use of CMU for exterior wall veneers is prohibited in this district. EIFS is prohibited.

(i) Other regulations.

1) Screening. Refuse containers or like equipment outside of an enclosed space shall be screened from public view, either from adjacent buildings or adjacent property, both private and public. Such screens shall be permanent and opaque and of wood, metal or masonry material and shall be at least as high as the screened object, and in no case shall be less than six (6) feet in height.

2) District size. Any multi-family dwelling district shall contain not less than one hundred (100) acres of land.

3) Perimeter fences in district M shall be a minimum of eight (8) feet in height, shall be permanent and must be of the following types:

- a. Redwood
- b. Cedar
- c. Wrought iron
- d. Brick or masonry

4) Perimeter fences in district M shall not:

- a. Be topped with barbed or razor wire.
- b. Be electrified.
- c. Be constructed of (or modified with) any fencing material(s) intended to be injurious or malicious in nature (such as, but not limited to, broken glass or metal spikes) that have the potential to cause bodily harm or injury.

(j) Minimum Landscaped Areas.

1) Open Areas. The following landscaping requirements shall apply in district M (multi-family dwelling district)

- a. A minimum of twenty percent (20%) of total area within the property lines shall be devoted to landscaping.
- b. All open unpaved space including, but not limited to, front, side, and rear building setback areas shall be planted and landscaped.
- c. Building front. An average of at least ten (10) feet and a minimum of five (5) feet shall be a green area and walkway between the building and parking areas.

2) See Chapter 14, Article XII. – Landscaping, Buffer yard, Park and Open Space Standards for additional landscaping requirements.”

SECTION 5. THAT, in accordance with the purposes of this Ordinance, the Code of Ordinances, City of Jersey Village, Texas is hereby amended by removing the existing Section 14-103.1 “Regulations for district C-2 (townhouse district)” in its entirety.

SECTION 6. THAT in the event any section, paragraph, subdivision, clause, phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and the City Council of the City of Jersey Village, declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, or whether there be one or more parts.

SECTION 7. THAT all other ordinances or parts of ordinances in conflict or inconsistent herewith are, to the extent of such conflict or inconsistency, hereby repealed.

SECTION 8. THAT any person who shall violate any provision of this Ordinance shall be guilty of a misdemeanor and subject to a fine as provided in Section 1-8.

SECTION 9. THAT this Ordinance shall be in full force and effect from and after its passage.

PASSED, APPROVED, AND ADOPTED this ___ day of _____, 2022.

FOR THE CITY:

BOBBY WARREN, MAYOR

ATTEST:

Lorri Coody, City Secretary

CITY COUNCIL - CITY OF JERSEY VILLAGE, TEXAS - AGENDA REQUEST

AGENDA DATE: September 12, 2022

AGENDA ITEM: F7

AGENDA SUBJECT: Consider Resolution No. 2022-57, awarding the bid and authorizing the City Manager to enter into a contract with Weisinger Incorporated for the Abandonment of Water Well No. 1.

Department/Prepared By: Public Works

Date Submitted: September 2, 2022

EXHIBITS: Resolution No. 2022-57
Exhibit A – Weisinger Incorporated Bid Response
Abandonment of Water Well No. 1 Bid Tab
Brooks and Sparks Recommendation

BUDGETARY IMPACT: Required Expenditure: \$ 41,080.00
Amount Budgeted: \$ 50,000.00
Appropriation Required: \$

BACKGROUND INFORMATION:

On August 30, 2022, City staff received bid documents for the Abandonment of Water Well No. 1. Four responsive bids were received for the project:

Bidder	Base Bid
Weisinger Incorporated	\$41,080.00
Alsay Incorporated	\$46,500.00
Hydro Resources, Mid-Continent Inc.	\$135,661.00
C&C Water Services	\$151,850.00

The scope of work, at minimum, will include the following activities:

- Mobilize for construction
- Downhole Camera Video of the Well before jetting
- Jet Clean the Well prior to abandonment
- Downhole Camera Video of the Well after jetting
- Pressure fill the well via a tremie tube in accordance with TCEQ 290.39(j)(1)
- Fill the top five (5) feet of the well with cement as an atmospheric barrier

The City and consulting Engineering Firm Brooks & Sparks worked together to ensure bidding was conducted in compliance with all applicable federal, state and local standards.

The cost to Abandon Water Well No. 1 will be paid through Utility CIP funding factored into the 2021-2022 budget.

Weisinger Incorporated has performed similar utility related services for various municipalities and have been utilized by the Jersey Village Public Works Department for the Surveying of the Seattle Water Plant Well in the past.

Weisinger Incorporated submitted the lowest responsible bid for the project. Weisinger Incorporated is a reputable company that comes with a recommendation from the consulting Engineering Firm, Brooks & Sparks.

RECOMMENDED ACTION:

MOTION: To approve Resolution No. 2022-57, awarding the bid and authorizing the City Manager to enter into a contract with Weisinger Incorporated for the Abandonment of Water Well No. 1.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-57

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, AWARDING THE BID AND AUTHORIZING THE CITY MANAGER TO ENTER INTO A CONTRACT WITH WEISINGER INCORPORATED FOR THE ABANDONMENT OF WATER WELL NO. 1.

WHEREAS, the City of Jersey Village has received a bid from Weisinger Incorporated for the Abandonment of Water Well No. 1; and

WHEREAS, the City has received formal bids through the bidding process and Weisinger Incorporated is the lowest responsible bidder for the scope of work in connection with the project in the amount of \$41,080.00;

WHEREAS, the City Council of the City of Jersey Village has approved funds for the project; and

WHEREAS, the consulting Engineering Firm, Brooks & Sparks, has reviewed the bid documents and recommends awarding the contract to Weisinger Incorporated; **NOW THEREFORE**,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS THAT:

Section 1: The contract for the Abandonment of Water Well No. 1 Project shall be awarded to the responsive, qualified bidder, Weisinger Incorporated; and

Section 2: The City Manager is authorized to execute on behalf of the City of Jersey Village all necessary contract documents with Weisinger Incorporated based upon the Weisinger Incorporated bid document as attached hereto as Exhibit "A".

PASSED AND APPROVED this 12th day of September 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

APPARENT LOW BIDDERS**Abandonment of Water Well No. 1 for the City of Jersey Village, Texas.**

Bid Summary	
Engineers Estimate	No Estimate
Total Bids	4
AMLT \$	\$5,420.00
AMLT %	13.19%
Average Bid	\$93,772.75

	Bidder	BASE BID
1	Weisinger Incorporated <i>Submitted: 8/30/2022 10:40:51 AM</i>	\$41,080.00
2	Alsay Incorporated <i>Submitted: 8/30/2022 8:35:12 AM</i>	\$46,500.00
3	Hydro Resources, Mid-Continent Inc <i>Submitted: 8/30/2022 1:28:27 PM</i>	\$135,661.00
4	C &C Water Services <i>Submitted: 8/29/2022 11:21:26 AM</i>	\$151,850.00

Bids opened at: 8/30/2022 2:37:40 PM

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

August 31, 2022

Mr. Austin Bleess, City Manager
City of Jersey Village
16327 Jersey Drive
Jersey Village, Texas 77040-1999

RE: Abandonment of Water Well No. 1
Bid No. 2022-03

Mr. Bleess:

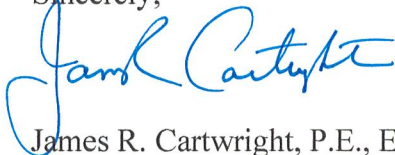
The City of Jersey Village received bids for the above referenced project on Tuesday, August 30, 2022. Four (4) responsive bids were received and are provided as follows:

Weisinger Incorporated	\$ 41,080.00
Alsay Incorporated	\$ 46,500.00
Hydro Resources, Mid-Continent Inc.	\$ 135,661.00
C & C Water Services	\$ 151,850.00

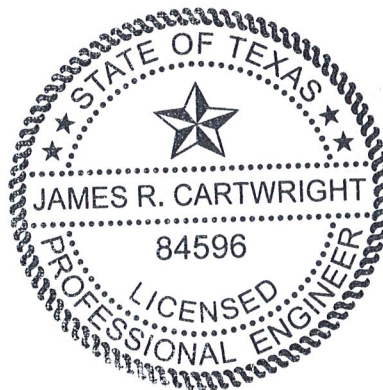
Based on evaluations of the low bidder's qualifications, we recommend award of the Contract to Weisinger Incorporated in the amount of \$41,080.00. We believe that they have the ability to complete this project in an expeditious manner and to the City's satisfaction.

I trust this information is helpful. If you have any questions or require additional information, please call me.

Sincerely,



James R. Cartwright, P.E., ENV SP
Associate Principal



**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST DISCUSSION FORM**

AGENDA DATE: September 12, 2022

AGENDA ITEM: G1

AGENDA SUBJECT: Consider Resolution No. 2022-58, appointing members to the Planning and Zoning Commission (P&Z) and the Capital Improvements Advisory Committee (CIAC), the Board of Adjustment (BOA), the Building Board of Adjustment and Appeals (BBOAA), the Parks and Recreation Advisory Committee (PRAC), and the Golf Course Advisory Committee (GCAC).

Department/Prepared By: Lorri Coody **Date Submitted:** August 24, 2022

EXHIBITS: Resolution No. 2022-58
Exhibit A - List of Members for Appointment

MEMBER INITIAL APPLICATIONS	–	NEW APPLICATIONS
P&Z and CIAC	–	P&Z and CIAC
BOA	–	BOA
BBOAA	–	BBOAA
PRAC	–	PRAC
GCAC	–	GCAC

CURRENT MEMBERSHIP ATTENDANCE ROSTERS

P&Z and CIAC
BOA
BBOAA
PRAC
GCAC

BACKGROUND INFORMATION:

Several member appointments on various Boards, Commissions, and Committees have expired and need reappointing.

RECOMMENDED ACTION:

Appoint members for the terms outlined on the List of Members attached to the proposed resolution.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-58

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, APPOINTING MEMBERS TO THE PLANNING & ZONING COMMISSION AND CAPITAL IMPROVEMENTS ADVISORY COMMITTEE, BOARD OF ADJUSTMENT, BUILDING BOARD OF ADJUSTMENT AND APPEALS, GOLF COURSE ADVISORY COMMITTEE; AND PARKS AND RECREATION ADVISORY COMMITTEE.

WHEREAS, the City Council of the City of Jersey Village regularly appoints members to volunteer boards, committees, and commissions; and

WHEREAS, various members are appointed for one-year and two-year terms; and

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS THAT:

The following persons are appointed for two-year terms to various boards, commissions, and committees, as more fully described in the attached "Exhibit A."

PASSED AND APPROVED this the **12th** day of **September, 2022**.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



Exhibit A – List of Appointed Members for Terms Beginning October 1, 2022

The Planning and Zoning Commission and Capital Improvements Advisory Committee

Planning and Zoning Commissioners also serve on the Capital Improvements Advisory Committee. Accordingly, appointments made for Planning and Zoning Commission will also serve on the Capital Improvements Advisory Committee.

Currently, there are no vacant position on the Planning and Zoning Commission, but the term of office for Positions 5, 6, and 7 expire on September 30, 2022. The new term for these positions begins on October 1, 2022 and will end on September 30, 2024.

The following are new applications on file with the City Secretary from resident(s) interested in serving on this Commission.

Alex Coleman Andrea Grimm Drew S. Weaver Edward Lock David Lock

The following members currently serving on this Commission desire re-appointment:

	<u>POSITION</u>	<u>FIRST APPOINTED</u>	<u>CURRENT TERM ENDS</u>
DEBRA MERGEL - YES	5	08/06	09/30/22
TY CAMP - No Reappointment	6	04/18	09/30/22
RICK FAIRCLOTH - YES	7	02/08	09/30/22

Ty Camp who serves in Position 6 on the Commission does not desire reappointment.

In consideration of any new applicants desiring appointment to this Commission and the desire of those seeking reappointment, Council approves the following appointments to the Planning and Zoning Commission and the Capital Improvements Advisory Committee for the term to begin October 1, 2022 and end September 30, 2024:

	<u>POSITION</u>	<u>TERM BEGINS</u>	<u>TERM ENDS</u>
	5	10/01/22	09/30/24
	6	10/01/22	09/30/24
	7	10/01/22	09/30/24

The Board of Adjustment

Currently, there are no vacant positions on the Board of Adjustment, but the term of office for Positions 4, 5, and A2 will expire on September 30, 2022. The new term for these positions begins on October 1, 2022 and will end on September 30, 2024.

The following are new applications on file with the City Secretary from resident(s) interested in serving on this Commission.

Andrea Grimm

The following members currently serving on the Board desire re-appointment:

	<u>POSITION</u>	<u>FIRST APPOINTED</u>	<u>CURRENT TERM ENDS</u>
KEN NGUYEN - YES	4	07/14	09/30/22
M. REZA KHALILI - YES	5	10/18	09/30/22
NELSON L. FEENEY - YES	A2	10/20	09/30/22

In consideration of any new applicants desiring appointment to this Board and the desire of those seeking reappointment, Council approves the following appointments to this Board for the positions and terms listed:

	<u>POSITION</u>	<u>TERM BEGINS</u>	<u>TERM ENDS</u>
	4	10/01/22	09/30/24
	5	10/01/22	09/30/24
	A2	10/01/22	09/30/24

Building Board of Adjustment and Appeals

Currently, there are no vacant position on the Building Board of Adjustment and Appeals, but the term of office for Positions 1, 2, 3, and 4 are set to expire on September 30, 2022. The new term for these positions begins on October 1, 2022 and will end on September 30, 2024.

The following are new applications on file with the City Secretary from resident(s) interested in serving on this Commission.

Andrea Grimm

The following members currently serving on the Board desire re-appointment:

	<u>POSITION</u>	<u>FIRST APPOINTED</u>	<u>CURRENT TERM ENDS</u>
THEOPLIS A. WOODARD - YES	1	10/20	09/30/22
FRANK GULLO - YES	2	3/96	09/30/22
WILLIAM BERGER - YES	3	10/12	09/30/22
ROBERT BONAGURIO - YES	4	9/16	09/30/22

In consideration of any new applicants desiring appointment to this Board and the desire of those seeking re-appointment, Council approves the following appointments to this Board for the positions and terms listed:

	<u>POSITION</u>	<u>TERM BEGINS</u>	<u>TERM ENDS</u>
	1	10/01/22	09/30/24
	2	10/01/22	09/30/24
	3	10/01/22	09/30/24

	4	10/01/22	09/30/24
--	---	----------	----------

Parks and Recreation Advisory Committee

Currently, Position A3 on the Parks and Recreation Advisory Committee is vacant and the term of office for Positions 5, 6, and 7 will expire on September 30, 2022. The new term for Positions 5 thru 7 begins on October 1, 2022 and will end on September 30, 2024. The unexpired term for Position A3 ends on September 30, 2023.

The following are new applications on file with the City Secretary from resident(s) interested in serving on this Commission.

Alex Coleman	Andrea Grimm	Edward Lock	Emma Aguirre
Sirichat Song	Karen Fitzgerald	Christina Sheehy	Sarah Bowden

The following members, currently serving on this Committee desire re-appointment:

	<u>POSITION</u>	<u>CURRENT TERM BEGAN</u>	<u>CURRENT TERM ENDS</u>
ASHLEY BROWN - YES	5	12/19	09/30/22
DORIS MICHALAK - YES	6	10/10	09/30/22
RACHEL BEAZLEY - YES	7	05/22	09/30/22
VACANT	A3		09/30/23

Kristi Holder who served in Position 7 on the Committee tendered her resignation in June of 2022. As a result, her position was filled in accordance with the Parks and Recreation Advisory Committee’s Rules for filling vacancies, leaving position A3 vacant as follows:

Should a vacancy occur in the regular voting membership of the Parks and Recreation Committee, such unexpired term of the vacancy shall be automatically filled by an alternate member of the Committee. The selection order for filling the vacancy shall be determined by the alternate position number, with position A1 filling the first vacancy, position A2 filling the second vacancy, and so on. Once an alternate member has been selected to fill an unexpired term for a vacancy and becomes a regular voting member on the Board, the position number and term of office for the remaining alternate members shall be adjusted so that alternate member A2 becomes A1 and alternate member A3 becomes A2 and so on.

In consideration of any new applicants desiring appointment to this Committee and the desire of those seeking re-appointment, Council approves the following appointments and place assignments for this Committee for terms outlined below:

	<u>POSITION</u>	<u>TERM BEGINS</u>	<u>TERM ENDS</u>
	5	10/01/22	09/30/24
	6	10/01/22	09/30/24
	7	10/01/22	09/30/24
	A3	10/01/21	09/30/23

Golf Course Advisory Committee

Currently, there are no vacant positions on the Golf Course Advisory Committee, but the term of

office for Positions 5 through 7 will expire on September 30, 2022. The new term for these positions begins on October 1, 2022 and will end on September 30, 2024.

The following are new applications on file with the City Secretary from resident(s) interested in serving on this Commission.

Alex Coleman

The following members, currently serving on this Committee desire re-appointment:

	<u>POSITION</u>	<u>FIRST APPOINTED</u>	<u>CURRENT TERM ENDS</u>
RONALD SCHIELKE - YES	5	09/12	09/30/22
CERI DAVIES - YES	6	09/17	09/30/22
KEVIN ROSS -YES	7	10/20	09/30/22

In consideration of any new applicants desiring appointment to this Committee and the desire of those seeking re-appointment, Council approves the following appointments to this Committee:

	<u>POSITION</u>	<u>TERM BEGINS</u>	<u>TERM ENDS</u>
	5	10/01/22	09/30/24
	6	10/01/22	09/30/24
	7	10/01/22	09/30/24

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: G2

AGENDA SUBJECT: Consider Resolution No. 2022-59, selecting individuals to serve on the TML Intergovernmental Risk Pool Board of Trustees – Places 6, 7, 8, and 9 (Workers' Compensation, Property and Liability Benefits).

Department/Prepared By: Lorri Coody **Date Submitted:** August 24, 2022

EXHIBITS: Resolution No. 2022-59
Exhibit A – Official Ballot

BACKGROUND INFORMATION:

The Texas Municipal League Intergovernmental Risk Pool Board of Trustees Term of Office for Places 6, 7, 8, and 9 will expire. The term of office for these positions is six years. A slate of interested candidates appears on the official ballot for election. Along with each name is a brief summary of qualifications for each candidate. The ballot must be received by the Board Secretary no later than September 30, 2022 and the official ballot must be properly signed and all pages of the ballot must be mailed in accordance with the instructions in order for the City of Jersey Village's vote to be counted.

The Risk Pool is comprised of some 2600 members. While all are eligible to vote, they are not required to vote. Of course, if a voting member fails to vote, that members vote cannot be counted. Since the Risk Pools Board of Trustee Elections are not governed by any rules that a minimum number of its members must vote, the candidates will be elected based upon the votes received and the candidate that gets the most votes for his/her respective position will be elected to the new term of office.

The Pool offers various insurance and risk coverage including Workers' Compensation, Liability Insurance, Property Insurance and Special Risk Coverage.

The Candidates

Place 6: Allison Heyward and Kimberly Meismer

Place 7: Mary Dennis, James A. Douglas, Ph.D., Rebecca (Becky) Haas, and James Hotopp

Place 8: Chris Coffman, Brett Haney, Mike Land, Marian Mendoza, and Louis R. Rigby

Place 9: Barry Beard, Stephanie Fisher, Carl Joiner, Opal Mauldin-Jones, and William Linn

A brief summary of qualifications for each candidate is listed on the official ballot.

RECOMMENDED ACTION:

MOTION: To approve Resolution No. 2022-59, selecting individuals to serve on the TML Intergovernmental Risk Pool Board of Trustees – Places 6, 7, 8, and 9 (Workers' Compensation, Property and Liability Benefits).

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2020-59

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, SELECTING INDIVIDUALS TO SERVE ON THE TML INTERGOVERNMENTAL RISK POOL BOARD OF TRUSTEES – PLACES 6, 7, 8, AND 9.

WHEREAS, the city council of the City of Jersey Village is eligible to elect individuals by ballot to serve on the TML Intergovernmental Risk Pool Board of Trustees for Places 6, 7, 8, and 9; and

WHEREAS, the term of office for which these individuals are being elected is six years; **NOW THEREFORE**,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS THAT:

The City Council of the City of Jersey Village selects the individuals indicated on the official ballot attached hereto as “Exhibit A” to serve on the TML Intergovernmental Risk Pool Board of Trustees for Places 6, 7, 8, and 9.

PASSED AND APPROVED this the **12th** day of **September 2022**.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary



OFFICIAL BALLOT

Texas Municipal League Intergovernmental Risk Pool Board of Trustees Election

This is the official ballot for the election of Places 6 – 9 of the Board of Trustees for the Texas Municipal League Intergovernmental Risk Pool. Each Member of the Pool is entitled to vote for Board of Trustee members. Please record your organization's choices by placing an "X" in the square beside the candidate's name or writing in the name of an eligible person in the space provided. You can only vote for one candidate for each place.

The officials listed on this ballot have been nominated to serve a six-year term on the TML Intergovernmental Risk Pool (Workers' Compensation, Property and Liability) Board of Trustees. The names of the candidates for each Place on the Board of Trustees are listed in alphabetical order on this ballot.

Ballots must reach the office of David Reagan, Secretary of the Board, no later than September 30, 2022. Ballots received after September 30, 2022, cannot be counted. **The ballot must be properly signed and all pages of the ballot must be mailed to: Trustee Election, David Reagan, Secretary of the Board, P.O. Box 149194, Austin, Texas 78714-9194. If the ballot is not signed, it will not be counted.**

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

PLACE 6

- Allison Heyward.** Councilmember for the City of Schertz (Region 7) since 2018. She also serves as the Mayor Pro Tem. Mrs. Heyward was appointed to represent the Texas Municipal League Board of Directors as an ex-officio non-voting member of the Board of Trustees of the Texas Municipal League Intergovernmental Risk Pool. She earned a Bachelor's Degree in Accounting from Texas Southern University in 1990 and is a 2020 graduate of the Chamber Leadership Core Program. She is a TML Leadership Fellow, a Certified Municipal Officer (CMO), as well as a member of the TMRS Advisory Board on Benefit Design.
- Kimberly Meisner.** Assistant City Manager for the City of Kerrville (Region 7). Ms. Meisner has over 25 years of public service, which includes serving Kerrville and La Porte. She earned a Master's Degree in Public Administration from the University of Texas at Arlington and a Bachelor's Degree in Human Resource Management from Columbia Southern University. She is a member of TCMA and serves on the Ethics Committee as the Region 8 Representative. She is also serving a second year as the Chair of the Ethics and Integrity Award subcommittee.

WRITE IN CANDIDATE:

PLACE 7

- Mary Dennis** (Incumbent). Mayor for the City of Live Oak (Region 7) since 2010. Mayor Dennis has served on the TML Risk Pool Board since 2018. She is currently Vice-Chair of the TML Risk Pool Board, and on October 1, 2022, will begin a two-year term as Chair. Among her numerous civic activities are serving as 2016/2017 President for the Texas Municipal League, 2021-2023 NLC Board Director, Treasurer of the Greater Bexar County Council of Governments, Chair of the Judson ISD Facilities Committee, Chair of the Bexar County Suburban Cities Committee, and President of the Live Oak Economic Development Corporation. She is also a 2019 Inductee of the San Antonio Women's Hall of Fame and the 2019 San Antonio Women's Chamber of Commerce "Comet Award."
- James A. Douglas, Ph.D.** City Councilmember for the City of Kenedy (Region 7). Dr. Douglas is a current criminal justice instructor at Kenedy ISD. He is a national Law and Public Safety Education Network (LAPSEN) Honor Teacher who, along with some of his students, recently participated in the Washington, D.C. National Academy of Law and Justice. The LAPSEN Honor Teachers were identified from a national application process to identify educators with a passion for law and justice, excellence in leadership and teaching.
- Rebecca (Becky) Haas.** Mayor of Richmond (Region 14). Mayor Haas is a business-owner in the historic downtown district of Richmond. She is a direct descendant of one of Stephen F. Austin's first settlers in Texas who are known as the Old Three Hundred. She is Chaplain for and a charter board member of the Descendants of Austin's Old Three Hundred organization. She is passionate about Texas history, a member of the Fort Bend County Historical Commission, a former member of the Richmond Historical Commission, a member of the Fort Bend County Museum, a board member of the Black Cowboy Museum, member of Historic Richmond Association, and is a Fort Bend Docent.
- James Hotopp.** City Manager for Weatherford (Region 8) since 2019. Mr. Hotopp joined the City in 2007 as its Director of Water/Wastewater and Engineering and served the City in several capacities, including Utility Engineer, Director of Planning and Development, and Assistant City Manager. He serves as a voting member of Region C Water Planning Group for Texas, which prepares a regional water plan for a 16-county group in North Texas. Mr. Hotopp is a member of the North Texas City Manager's Association, the North Texas Commission, and a board member of the Texas Public Power Association. Previously, he worked in consulting engineering where he designed water treatment plants, wastewater treatment plants, water pump stations, wastewater lift stations, and distribution/collection lines.

WRITE IN CANDIDATE:

PLACE 8

- Chris Coffman.** City Manager of Granbury (Region 8). Mr. Coffman has 24 years in public management. He has served as City Manager for Sealy, Borger, the Village of Timbercreek Canyon, and Panhandle. He has also served as the Director of Local Government Services of the Panhandle Regional Planning Commission and served as Interim City Manager for the Cities of Fritch and Stratford. During his time at the Panhandle Regional Planning Commission, he served 26 counties and 62 cities in the Panhandle. He is a past President of the TCMA. Mr. Coffman holds a Bachelor of Science Degree in Public Administration from West Texas A&M University and has a Certified Public Manager designation through Texas Tech University.
- Brett Haney.** City Administrator for the City of Cockrell Hill (Region 13) since 2015. Mr. Haney has been with Cockrell Hill since 2006 and was promoted to Assistant City Administrator in 2011. He is originally from Southern California and moved to North Texas in 2000. Mr. Haney earned Bachelor of Applied Arts and Sciences and Master of Public Administration degrees from the University of North Texas. He is a member of TCMA and currently serves on the Public Policy Committee and has served on the TCMA Advocacy Committee in recent years. He is very active as Cubmaster and Den Leader for Cub Scout Pack 717 in Keller, Texas.
- Mike Land.** City Manager for the City of Coppell (Region 13) since 2017, and Deputy City Manager from 2012-2017. Previously, he was Town Manager for Prosper, City Manager for Gainesville, and Executive Director for the Southwestern Diabetic Foundation. Mr. Land has served on the International City/County Management (ICMA) Board of Directors, ICMA's Advisory Board on Graduate Education, Texas A&M University's Development Industry Advisory Council, School Board Trustee for Gainesville Independent School District, and President of TCMA. Currently, he serves on the Texas Women's Leadership Institute Advisory Board and the UTA MPA Advisory Board.
- Marian Mendoza.** City Administrator for the City of Helotes (Region 7) since 2020. Ms. Mendoza has held positions with the City of Alamo Heights, as Assistant to the City Manager (2005-2020), and with the City of San Antonio as a Management Analyst (2003-2005). Previously she served as a Director overseeing homeless transition housing programs for the Salvation Army. She also serves as the Ex-Officio Board Member of the Helotes Economic Development Corporation. Ms. Mendoza earned a Bachelor's Degree from St. Mary's University and is part of the Certified Public Management program at Texas State University. She is a member of the ICMA, TCMA, and the International Hispanic Network.
- Louis R. Rigby.** Mayor of the City of La Porte (Region 14) since 2010. Mayor Rigby previously served as the District 5 Councilperson from 2004 until 2010, before being elected Mayor. He is a member and past Director of the La Porte-Bayshore Chamber of Commerce and has held the offices of Treasurer, Vice-President, and President of the Harris County Mayors and Councils Association. He graduated from San Jacinto College and the University of Houston before earning an MPA from the University of Houston-Clear Lake. Mayor Rigby served in the U.S. Airforce from 1968-1972. He has actively advocated for the La Porte region on issues including heavy haul and solutions for hurricane damage and management.

WRITE IN CANDIDATE:

PLACE 9

- Barry Beard.** Commissioner for the City of Richmond (Region 14) since 2016. Mr. Beard retired from Moody National Bank where he was the Senior Vice President. He has served on many civic and community boards. He was President of the Board for Oak Bend Hospital, past Chair of the Central Fort Bend Chamber Alliance, past Chair of Arc of Fort Bend, Congressman Olson's Service Academy Interview Committee and Fort Bend Partnership for Youth. He also served on the original Richmond Charter Commission, Richmond Parks Commission, Richmond Development Corporation, Richmond Historical Commission, Richmond Comprehensive Planning Advisory Committee, and the Richmond Rosenberg Local Government Corporation.
- Stephanie Fisher.** Councilmember for Johnson City (Region 7). In 2021, she was appointed as the Johnson City representative to the General Assembly of the Capital Area Council of Governments. The Executive Committee of the Capital Area COG appointed her to represent the COG on the Unified Scoring Committee of the Texas Department of Agriculture's Community Block Grant program. She serves on the Board of Directors for the Hill Country 100 Club and the Johnson City Community Education Foundation. She also is the Commissioner for the Johnson City Youth Football program and sits on an advisory committee for the Johnson City Youth Sports Association. She is active in her church, as well as multiple activities within Johnson City ISD, and is a member of the Blanco County Eclipse Task Force.
- Carl Joiner.** Mayor for the City of Kemah (Region 14) since 2015. Prior to that, he served as a Kemah City Councilmember for three years. He has served as President of the Kemah Community Development Corporation, Chairman of the Bay Area Houston Transportation Partnership, member of the Convention and Visitors Bureau Board, Chairman of the Clear Creek Education Foundation, board member of the Chris Reed Foundation, Chairman of the Clear Lake Area Chamber, and Treasurer of the League City Regional Chamber of Commerce. He has received awards such as the Chairman's Award in 2020 for the League City Regional Chamber of Commerce and the Sam Walton Award for Integrity in Business.
- Opal Mauldin-Jones (Incumbent).** City Manager for the City of Lancaster (Region 13) since 2011, and in various other roles for Lancaster since 2003. Under her leadership, the City has experienced two consecutive bond rating increases without issuing debt. The City has been designated a 2019 All-America City and received the CiCi Award. It is one of less than 25 communities with all five Transparency Stars awarded by the Texas Comptroller. Ms. Mauldin-Jones earned her Bachelor Business Administration and Master Public Administration degrees from the University of Texas at Arlington. She currently serves on the TCMA Board as Director-at-Large and as Vice President-Elect, and on the Board of the TML Intergovernmental Risk Pool.
- William Linn.** City Manager of Kenedy (Region 7). Mr. Linn is a member of TCMA and ICMA. He earned a Bachelor of Science Degree in Business from Indiana University's Southeast campus. Thereafter, he was accepted to several law schools where he intended to specialize in business and intellectual property law. However, Mr. Linn opted to enroll in Southern New Hampshire University where he earned a Master of Business Administration and Master of Science in Organizational Leadership concurrently. He is a Certified Fraud Examiner and a Certified Public Manager. He is working to complete the Lean Six Sigma Black Belt and Project Manager Professional Certifications.

WRITE IN CANDIDATE:

Certificate

I certify that the vote cast above has been cast in accordance with the will of the majority of the governing body of the public entity named below.

Witness my hand, this _____ day of _____, 2022.

Signature of Authorized Official

Title

Printed Name of Authorized Official

Printed Name of Political Entity

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: G3

AGENDA SUBJECT: Consider Ordinance No. 2022-37, amending Chapter 66 “Traffic and Vehicles”, Article VI “Regulation of Golf Carts”, Section 66-182 “Operation Regulations” of the Code of Ordinances of the City of Jersey Village, Texas by adding a new subsection requiring license plates on golf carts; containing findings and other provisions relating to the subject; providing a penalty; providing for severability; providing for publication; and providing an effective date.

Dept./Prepared By: Chief of Police, Kirk Riggs **Date Submitted:** August 30, 2022

EXHIBITS: Ordinance 2022-37
Chapter 66 – Regulations for Golf Carts

BACKGROUND INFORMATION:

Recently, a few members of the Planning and Zoning Commission sought clarification concerning the need to have golf carts licensed by the State of Texas. It was pointed out that our website page concerning golf carts states that license plates are required, but the Ordinance actually passed by City Council back on June 15, 2020, does not seem to address the need for the carts to have a license plate.

In reviewing this matter, it was found that State law mandates a license plate for golf carts (551.402(b)). The exception is for golf carts in master planned communities (551.403(b)). A “highway” in Chapter 551 is any road – it used to be “public” road, but the Legislature removed the reference to “public”.

The proposed Ordinance adds the State’s license plate requirement to the City’s Code – the only change made between the State law and the City’s Code will be to use the word “road” instead of “highway”.

This item is for City Council to consider the proposed Ordinance Change.

RECOMMENDED ACTION:

MOTION: To approve Ordinance No. 2022-37, amending Chapter 66 “Traffic and Vehicles”, Article VI “Regulation of Golf Carts”, Section 66-182 “Operation Regulations” of the Code of Ordinances of the City of Jersey Village, Texas by adding a new subsection requiring license plates on golf carts; containing findings and other provisions relating to the subject; providing a penalty; providing for severability; providing for publication; and providing an effective date.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

ORDINANCE NO. 2022-37

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, AMENDING CHAPTER 66 “TRAFFIC AND VEHICLES”, ARTICLE VI “REGULATION OF GOLF CARTS”, SECTION 66-182 “OPERATION REGULATIONS” OF THE CODE OF ORDINANCES OF THE CITY OF JERSEY VILLAGE, TEXAS BY ADDING A NEW SUBSECTION REQUIRING LICENSE PLATES ON GOLF CARTS; CONTAINING FINDINGS AND OTHER PROVISIONS RELATING TO THE SUBJECT; PROVIDING A PENALTY; PROVIDING FOR SEVERABILITY; PROVIDING FOR PUBLICATION; AND, PROVIDING AN EFFECTIVE DATE.

WHEREAS, Sections 551.402(b) and 551.403(b) of the Texas Transportation Code provide regulations regarding license plates on golf carts; and

WHEREAS, the City Council of the City of Jersey Village desires that the Code of Ordinance of the City of Jersey Village should be amended to provide for the appropriate regulations regarding license plates on golf carts within the City of Jersey Village; and **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE:

SECTION 1. THAT, the City Council of the City of Jersey Village, Texas (the “City Council”) hereby finds and determines that the statements set forth in the preamble of this Ordinance are true and correct and are incorporated herein for all purposes.

SECTION 2. THAT, the Code of Ordinances, City of Jersey Village, Texas is hereby amended by adding a section, to be numbered 66-182(p), which section reads as follows:

“(p) A person may not operate a golf cart on any road in the city unless the golf cart displays a license plate issued in accordance with state law. However, a person may operate a golf cart without a golf cart license plate in a master planned community. A master planned community:

(1) is an area in which the city has approved one or more plats on a road for which the posted speed limit is not more than thirty-five (35) miles per hour, including through an intersection of a road for which the posted speed limit is more than thirty-five (35) miles per hour; and

(2) is either:

a. a residential subdivision as defined by Section 209.002(9) of the Texas Property Code, or

b. an area that has in place a uniform set of restrictive covenants.”

SECTION 3. THAT, a person who violates a provision of this Ordinance is guilty of a separate offense for each day or part of a day during which the violation is committed, continued, or permitted. Each offense, upon conviction, is punishable by a fine not exceeding two thousand dollars (\$2,000).

SECTION 4. THAT, in the event any clause phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstances shall for any reason be adjudged invalid or held unconstitutional by a court of competent or ordinances jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and, the Council declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, whether there be one or more parts.

SECTION 5. THAT, the Council hereby directs the City Secretary to publish the caption of the Ordinance as required under and according to State law.

SECTION 6. THAT, this Ordinance shall be in full force and effect upon the date of its passage by the Council.

PASSED AND APPROVED THIS 12TH DAY OF SEPTEMBER 2022.

BOBBY WARREN, MAYOR

ATTEST:

LORRI COODY, CITY SECRETARY



ARTICLE VI. - REGULATION OF GOLF CARTS

Sec. 66-180. - Definitions.

The following words, terms and phrases when used in this article shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Golf cart means a motor vehicle designed by the manufacturer primarily for use on a golf course. This term as used in this article shall not be in conflict with the meaning assigned to this term by V.T.C.A. Transportation Code § 551.401, as it exists at the time of the adoption of this article or as it may be amended thereafter. The term, as used in this article, hereby specifically excludes all-terrain vehicles (ATVs), neighborhood electric vehicles (NEVs), four-wheelers, mules, gators, and any other types of motorized conveyances that are not manufactured primarily for use on a golf course.

Operator means the person operating and having physical control over a golf cart. An operator must carry a valid Texas Drivers' License.

Owner means the person who has legal title to a golf cart, has the legal right of possession of a golf cart, or has the legal right of control of a golf cart. This term as used in this article shall not be in conflict with the meaning assigned to this term by V.T.C.A. Transportation Code § 502.001(31), as it exists at the time of the adoption of this article or as it may be amended thereafter.

Public highway includes a road, street, way, thoroughfare, or bridge: that is in the state; that is for the use of vehicles; that is not privately owned or controlled; and, over which the state has legislative jurisdiction under its police power. This term as used in this article shall not be in conflict with the meaning assigned to this term by V.T.C.A. Transportation Code § 502.001(35), as it exists at the time of the adoption of this article or as it may be amended thereafter.

(Ord. No. 2020-15, § 2, 6-15-20)

Sec. 66-181. - Required equipment regulations.

- (a) Every golf cart operated within the city shall be equipped with all the following equipment which shall be operational at all times:
- (1) Headlights;
 - (2) Tail lamps;
 - (3) Reflectors;
 - (4) Parking brakes;
 - (5) Rearview mirrors; and
 - (6) A slow moving vehicle emblem as provided for in V.T.C.A. Transportation Code § 547.703, as it exists at the time of the adoption of this article or as it may be amended thereafter.
- (b) Every golf cart in operation within the city on a highway or public cart path shall be subject to inspection

by a peace officer to determine compliance with the equipment requirements herein.

- (c) Every golf cart powered by gasoline shall at all times be equipped with an exhaust system in good working order and shall comply with all federal, state, and city regulations, including chapter 42, article IV this Code.

(Ord. No. 2020-15, § 2, 6-15-20)

Sec. 66-182. - Operation regulations.

- (a) Every operator shall be licensed to operate a motor vehicle as provided by the Texas Transportation Code and shall carry a valid Texas drivers' license while operating the golf cart.
- (b) Every operator shall abide by all traffic regulations applicable to vehicular traffic when operating a golf cart on any public highway in the city.
- (c) No golf cart may be operated within the city at a speed exceeding 25 miles per hour (25 mph).
- (d) No person shall operate a golf cart on any sidewalk or hike and bike trail within the city.
- (e) A golf cart may only be operated on a public highway with a posted speed limit of not more than 35 miles per hour (35 mph), or on a posted public cart path unless otherwise restricted.
- (f) At no time shall a person operate a golf cart on a street with a posted limit of more than 35 miles per hour (35 mph). It shall be an affirmative defense to prosecution for a violation of this subsection that the operator was crossing a public highway with a posted limit of more than 35 miles per hour (35 mph) at a perpendicular intersection to immediately access a public highway with a posted speed limit of 35 miles per hour (35 mph) or less.
- (g) At no time shall a person operate a golf cart on the following streets, except to cross at a perpendicular intersection to immediately access a public highway of a posted speed limit of 35 miles per hour (35 mph) or less:
 - (1) Jones Road.
 - (2) West Road.
 - (3) North Eldridge Parkway.
- (h) A golf cart is prohibited on any public highway or public cart path while such public highway or public cart path is under construction or repair.
- (i) An operator shall not overtake and pass a vehicle in the same lane occupied by the vehicle being overtaken.
- (j) A golf cart [shall] not be operated between lanes of traffic, on medians, or between adjacent lines of rows of vehicles.
- (k) A golf cart shall move to the right and yield the right-of-way to faster moving vehicles.
- (l) The operator and every occupant of a golf cart shall be limited to the seating capacity as designed by the manufacturer and all occupants shall remain seated in a seat designed to hold passengers while the golf cart is in motion. The operator shall not transport a person on a part of the golf cart not designed or intended to transport a passenger.

- (m) No operator shall allow a person to ride in the lap of the operator or any other person being transported.
- (n) No operator of a golf cart shall transport a child under the age of five years, except during posted school zone hours or when school zone lights are active.
- (o) No operator shall use a wireless communication device in a school zone during restricted school hours.

(Ord. No. 2020-15, § 2, 6-15-20)

Sec. 66-183. - Exceptions and affirmative defenses.

- (a) A golf cart owned or operated for official government purposes by the city or any other governmental entity is exempt from the regulations provided by this article.
- (b) It shall be an affirmative defense to prosecution for a violation of this article that the operator was operating the golf cart to evacuate persons during a declared city emergency and for 72 hours after the emergency, unless otherwise ordered by the city.
- (c) It shall be an affirmative defense to prosecution for a violation of this article that the golf cart was operated in a city-approved parade route for the purpose of participating in a parade pursuant to a valid permit issued by the city for such purpose.

(Ord. No. 2020-15, § 2, 6-15-20)

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: G4

AGENDA SUBJECT: Consider Resolution No. 2022-60, authorizing the City Manager Austin Bless to proceed with the purchase of a new Pierce Custom Velocity Mid-Mount 100' Aerial Truck and a Pierce Custom Velocity Pumper Truck.

Department/Prepared By: FIRE / Mark Bitz, Fire Chief

Date Submitted: September 4, 2022

EXHIBITS: Resolution No. 2022-60
1075 JVFD 100" Customer Option List
Mid-mount Platform Specs
JVFD Pumper Customer Option List
Pumper Specs
Proposal

BUDGETARY IMPACT:	Required Expenditure:	\$
	Amount Budgeted:	\$
	Appropriation Required:	\$

CITY MANAGER APPROVAL:

BACKGROUND INFORMATION:

This agenda item is to request authorization for the City Manager to sign for the purchase of two large fire apparatus. As part of our vehicle replacement plan, we are looking to purchase a Pierce Custom Velocity Aerial 100' Mid-Mount Tower and a Pierce Custom Velocity Pumper.

The pricing we have received from the Texas dealer Siddons Martin for these apparatus follows. The aerial mid-mount tower truck priced at \$2,187,222 and the Velocity Pumper priced at \$1,146,120 upon order will deliver between 30-36 months.

We will trade three fire apparatus upon delivery of the new apparatus. The trade in value for these apparatus follows.

- 2018 – Spartan SVI Rescue truck (\$414,000)
- 2003- Pierce Enforcer Engine (\$37,000)
- 2009 – Pierce – Velocity Engine (\$125,000)

The trade in amount totals \$576,000. Signing this purchase agreement will lock in the trade value of these apparatus and bring the total for two new trucks to \$2,727,342.00

Pierce Fire Truck Manufacturing indicates they will have pricing increases over the next couple of years totaling 46.5%.

We will have the funding for these two vehicles in our replacement plan upon delivery and request authorization for the City Manager to move forward with the purchase of these vehicles.

RECOMMENDED ACTION:

Motion to approve Resolution No. 2022-60, authorizing the City Manager Austin Bless to proceed with the purchase of a new Pierce Custom Velocity Mid-Mount 100' Aerial Truck and a Pierce Custom Velocity Pumper Truck.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

RESOLUTION NO. 2022-60

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS, AUTHORIZING THE CITY MANAGER TO PROCEED WITH THE PURCHASE A NEW PIERCE CUSTOM VELOCITY MID-MOUNT 100' AERIAL TRUCK AND A PIERCE CUSTOM VELOCITY PUMPER TRUCK.

WHEREAS, the City currently has a 2003 Pierce Fire Truck, A 2009 Pierce Fire Truck and a 2018 Spartan SVI Rescue Truck; and

WHEREAS, the City will trade the 2003 Pierce Fire Truck, the 2009 Pierce Fire Truck and the 2018 Spartan SVI rescue truck in towards the purchase of the new Pierce Custom Velocity Mid-Mount 100' Aerial Tower and the Pierce Custom Velocity Fire Truck within 30 days after the date of delivery of these new fire apparatus; and

WHEREAS, the City will pay in full the amount not to exceed \$2,727,342.00 to Siddons Martin Emergency Group within 30 days after the date of delivery; and

WHEREAS, this city will expect delivery of a new Pierce Custom Velocity Mid-Mount 100' Aerial Tower Truck and a New Pierce Custom Velocity Pumper Truck between 30 and 36 months from the date of order; **NOW THEREFORE**,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS:

THAT, the City Manager is authorized to execute these conditions on behalf of the City of Jersey Village with Siddons Martin Emergency Group.

PASSED AND APPROVED this the 12th day of September, A.D., 2022.

Bobby Warren, Mayor

ATTEST:

Lorri Coody, City Secretary





Option List

9/2/2022

Customer: Jersey Village
Representative Topf, William
Organization: Siddons-Martin Emergency Group
Requirements Manager:
Description: Jersey Village - Midmount Platform
Body: Aerial, 100AAT, Alum Body
Chassis: Velocity Chassis, 100AAT

Bid Number: 1075
Job Number:
Number of Units: 1
Bid Date: 06/30/2022
Stock Number:
Price Level: 42 (Current: 42)
Lane:

Line	Option	Type	Option Description	Qty
1	0769372		Boiler Plates, 100AAT Fire Department/Customer - Jersey Village Fire Department Operating/In conjunction W-Service Center - Operating Miles - 25 Miles Number of Fire Dept/Municipalities - 5 Bidder/Sales Organization - Siddons-Martin Emergency Group Delivery - Delivery representative Dealership/Sales Organization, Service - Siddons-Martin Emergency Group	1
2	0018180		Single Source Compliance, Aerials	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
7	0533351		Quint Fire Apparatus	1
8	0588612		Vehicle Certification, Aerial w/Pump	1
9	0681278		Agency, Apparatus Certification, Aerial w/Pump, U.L.	1
10	0891947		Certification, Vehicle Inspection Program, NFPA 1901	1
11	0056880		Requirements of Apparatus Manufacturer	1
12	0020531		Product Improvements	1
13	0092138		Highly Customized Product (HCP)	1
14	0536644		Customer Service Website	1
15	0620362		Consortium, HGAC	1
16	0537375		Unit of Measure, US Gallons	1
17	0030006		Bid Bond Not Requested	1
18	0540326		Performance Bond, Not Requested	1
19	0000007		Approval Drawing	1
20	0670758		Drawing, Compartment Layout, Aerial	1
21	0002928		Electrical Diagrams	1
22	0771624		Velocity Chassis, 100AAT	1
23	0000110		Wheelbase Wheelbase - 271.00	1
24	0000070		GVW Rating GVW rating - 76,640	1
25	0000203		Frame Rails, 13.38 x 3.50 x .375, Qtm/AXT/Imp/Vel/DCF	1
26	0889473		Frame Liner, "C/Inv L" 12.50" x 3.00" x .25", AXT/Vel/Imp/Enf, 57" Qval	1
27	0508846		Axle, Front, Oshkosh TAK-4, Non Drive, 24,000 lb, Velocity	1
28	0090914		Suspension, Front TAK-4, 24,000 lb, DLX/Qtm/AXT/Vel/Enf	1
29	0087572		Shock Absorbers, KONI, TAK-4, Qtm/AXT/Imp/Vel/DCF/Enf	1
30	0000322		Oil Seals, Front Axle	1
31	0679621		Tires, Front, Michelin, XZY3 (wb), 425/65R22.50, 20 ply, Fire Service Load Rtnng	1
32	0752585		Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Dura-Black, Hub Pilot	1
33	0751940	SP	Axle, Rear, Oshkosh TAK-4 T3, 52,640 lb, Rear Steer, 2 Axle, 100AAT, VEL/AXT	1
34	0544244		Top Speed of Vehicle, 60 MPH	1
35	0639311	SP	Suspen, Rear, Oshkosh TAK-4, Independent, 52,640 lb	1
36	0000485		Oil Seals, Rear Axle	1
37	0614549	SP	Pump, Thru-Pump, Oshkosh TAK-4, T3 Rear Steer	1
38	0636818		Tires, Rear, Michelin, XZY3 (wb), 445/65R22.5, 20 ply,(IRS)Tandem,FS Load Rating	1
39	0693622		Wheels, Rear, 22.50" x 13.00", Steel, Hub Pilot, Tandem, AWS/IRS	1
40	0568081		Tire Balancing, Counteract Beads	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
41	0620569		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Tandem Axle Qty, Tire Pressure Ind - 6	1
42	0003245		Axle Hub Covers w/center hole, S/S, Front Axle	1
43	0057936		Covers, Lug Nut, Chrome	1
44	0002045		Mud Flap, Front and Rear, Pierce Logo	1
45	0766669		Chocks, Wheel, SAC-44-E, Folding, 100AAT Qty, Pair - 01	1
46	0766668		Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal, 100AAT Qty, Pair - 01 Location, Wheel Chocks - Left Side Rear Tire, Rearward	1
47	0010674		ABS/ATC Wabco Brake System, Tandem rear axle	1
48	0030185		Brakes, Knorr/Bendix 17", Disc, Front, TAK-4	1
49	0581433		Brakes, Bendix, Cam, Rear, 16.50 x 7.00"	1
50	0731553		Air Compressor, Brake, Cummins/Wabco 25.9 CFM	1
51	0000789		Brake Reservoirs, Five	1
52	0568012		Air Dryer, Wabco System Saver 1200, Heater, 2010	1
53	0000790		Brake Lines, Nylon	1
54	0551974		Inlet/Outlet, Air, w/Disconnect Fitting, Recessed Location, Air Coupling(s) - h) DS Pump Panel Qty, Air Coupling (s) - 1	1
55	0646276		Box, Recessed, Smooth Alum, for Air Fitting Location - D/S pump house Qty, Air Coupling (s) - 1	1
56	0690889		All Wheel Lockup (Aerial/Tanker Chassis), Aerial Master Activation	1
57	0014130		Air Tank, Additional for Extra Air Horn Capacity	1
58	0011835		Guard, U-Bolt over "Prk Brk" Knob Qty, - 01 Location, driver's/passenger's/center - Driver's	1
59	0610147	SP	Drain, Remote Air Tank, 1/4 Turn Brass, Banked Under Body w/Labels, All Tanks Location - under left front body	1
60	0612549		Fittings, Compression Type, Entire Apparatus, Tandem Rear Axle	1
61	0893809		Engine, Cummins X12, 525 hp, 1695 lb-ft, W/OBD, EPA 2021, Velocity	1
62	0730962		Filters, Remote Mounted, Oil, Fuel, X12, VEL/AXT, ENF, QTM	1
63	0001244		High Idle w/Electronic Engine, Custom	1
64	0687994		Engine Brake, Jacobs Compression Brake, Cummins Engine Switch, Engine Brake - e) ISC/ISM/ISL9/ISX Hi Med Lo	1
65	0552334		Clutch, Fan, Air Actuated, Horton Drive Master	1
66	0584898		Shutoff Valves, Cab & Crew Cab Heater, w/Labels	1
67	0123135		Air Intake, w/Ember separator, Imp/Vel	1
68	0794743		Exhaust System, 5", X12/X15, MX13, Engine, Horizontal, Right Side	1
69	0690480		Exhaust, Modified for Plymovent System, 7.00" Diffuser, Flush W/ Rubrail, CARE	1
70	0787999		Radiator, Impel/Velocity	1
71	0511425		Cooling Hoses, Rubber	1
72	0579673		Fuel Tank, 75 Gallon, Dual Fills	1
73	0001129		Lines, Fuel	1
74	0618791		DEF Tank, 4.5 Gallon, DS Fill, Forward of Axle, Common Air Bottle Door	1
75	0723716		Fuel Priming Pump, Electronic, Automatic, Cummins, No Swt Req'd	1
76	0552607		Shutoff Valves (2), Fuel Line @ Filter	1
77	0553019		Cooler, Engine Fuel, Imp/Vel, AXT/Qtm/Sab/DCF/SFR/Enf	1
78	0698720		Fuel Cap Retaining Chain With Holder	1
79	0737593	SP	Vent, Fuel, 40" From Ground, Rearward	1
80	0634595		Drain, Inside Fuel Fill Door, Located On DEF Fill Mounting Plate (Drip Cup)	1
81	0051290		Label, "Diesel Fuel Only" Location - Inside fuel door	1
82	0672449		Label, "DEF Only", Blue Letters Location - inside door	1
83	0578959		Fuel/Water Separator, Racor Inline	1
84	0887546		Trans, Allison 6th Gen, 4000 EVS P, w/Prognostics, Imp/Vel/SFR/Enf	1
85	0625331		Transmission, Shifter, 6-Spd, Push Button, 4000 EVS	1
86	0684459		Transmission Oil Cooler, Modine, External	1
87	0559012		Program, Transmission, Shift To Neutral, With Prk Brk	1
88	0001375		Driveline, Spicer 1810	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
89	0669988		Steering, Sheppard M110 w/Tilt, TAK-4, Eaton Pump, w/Cooler	1
90	0001544		Not Required, Steering Assist Cylinder on Front Axle	1
91	0509230		Steering Wheel, 4 Spoke without Controls	1
92	0681841		Logo/Emblem, Not Required	1
93	0725706		Bumper, 15" Extended, Alum, Painted, Integrated, 100AAT, VEL	1
94	0510226		Lift & Tow Package, Imp/Vel, AXT, Dash CF	1
95	0072272		Tow Eyes, Chrome, Below Deck	1
96	0032300		Mounting Holes, For License Plate, Frt Bumper	1
97	0698960		Coating, Top Flange, Front Bumper, Outside Exterior, UL-LX Coating, Black	1
98	0651334		Cab, Velocity FR, 7000	1
99	0894910		Engine Tunnel, Mech Fasteners, Impel/Velocity FR, w/T3 Rear Axle	1
100	0677478		Rear Wall, Exterior, Cab, Aluminum Treadplate	1
101	0764124		Cab Lift, Elec/Hyd, Manual Override, Stabilizer Interlock, Vel 100AAT	1
102	0751122		Grille, Painted, Painted Mesh Screen, Front of Cab, Impel/Velocity Paint Color, Grille Surround - Black #101 Paint Color, Grille Mesh - Black #101	1
103	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab Material Trim/Scuffplate - c) S/S, Polished	1
104	0529034		Scuffplates, S/S Corner Guard, Brushed, Rear Cab Corners	1
105	0751195		Trim, S/S, Rect Headlights, Painted, VEL/IMP Paint, Color - black 101 Turnsignal Covers - Black S/S Covers	1
106	0015440		No Chrome Molding, On side of cab	1
107	0746268	SP	Mirrors, Ramco, 6001FFHR-750HR, w/Bolt-on, All Htd/Rmt Convex, Cab Mnt, Blk, Vel Paint Color, Predefined - #101 black Riser, Ramco Mirror - 3.00", Pair, Ramco	1
108	0517525		Mirrors, 8" K-10 Eyeball, PS Cab Front, Front Cross View	1
109	0082489		Switches, Remote, Mirrors, Spcl Location location - match Jersey Village Job: 31140 - lower panel near driver, panel #8	1
110	0651321		Door, Full Height, Velocity FR 4-Door Cab, Level Roof Key Model, Cab Doors - 751 Cab, Exterior Door Handle, Finish - 4-Door, Chrome/Black	1
111	0655507		Door Panel, Polished Stainless Steel, Impel/Velocity 4-Door Cab	1
112	0667905		Storage Pockets w/ Elastic Cover, Recessed, Overhead, Impel/Velocity FR	1
113	0667902		Controls, Electric Windows, All Cab Doors, Impel/Velocity FR	1
114	0512419		Electric Door Locks, Cab Doors, Imp/Vel	1
115	0512420		Key Pad, Electric Door locks, DS & PS, Imp/Vel	1
116	0617989		Key Pad, Code, Special Fill in Blank - TBD	1
117	0790597	SP	Steps, 4-Door Full Tilt Cab, 1.00" Larger Bottom Step, Imp/Vel	1
118	0770198		Handrail, Exterior, Hansen, Knurled, Alum, LED Backlit, Black, 4-Dr Cab Color, Handrail Light - Red Control, Handrail Light - Cab Switch and Parking Brake	1
119	0735530	SP	Steps, Stirrup, Formed, Cab & Crew Cab Doors, 7" Step, 2" Ext Past Cab, Imp/Vel Light, Step, Additional - Amdor, 4 Dr Cab	1
120	0892637		Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 1Lt Per Step Color, Trim - Chrome Housing	1
121	0665798		Fenders, Painted on Cab Paint, Color - #101 black	1
122	0552648		Grab Handle, Black Rubber Covered, Specify Location, Qty Location - one each to the hinge side of the crew cab doors - See Job: 31140 Qty, - 02	2
123	0586968		Handrail, Interior, Crew Cab Doors, Angled	1
124	0592071		No Windows, Side of Crew Cab, Vel/Imp	1
125	0568605		Not Required, Interior Trim, No Cab Side Windows	1
126	0509286		Not Required, Windows Rear of Crew Cab, Imp/Vel	1
127	0558334		Not Required, Trim, Cab Rear Windows, No Rear Windows	1
128	0786290		Window Tint, Crew Cab Door, Left Side, Privacy Dark Gray	1
129	0786279		Window Tint, Crew Cab Door, Right Side, Privacy Dark Gray	1
130	0887710	SP	Window Coatings, Solar Film	1

Line	Option	Type	Option Description	Qty
131	0898680		Compt, Saddle, Transverse Crew Cab, Dbl Pan, 70/90" Vel/Imp Light, Short Transverse Compt - Pierce, Hinged Side Louvers - no louvers Scuffplate, Material/Finish - S/S, Polished Finish, Exterior Cab Compt - D/A Finish Door, Cab Exterior Cabinet - Double Pan, (2), Non-Locking Door, Exterior Stop - 2-Web Strap High Door, Cab Interior Cabinet - None (Transverse Only)	1
132	0752812	SP	Weather Strip, Cab Cabinet Exterior Door Qty, - 02 location - lower exterior compartment on the crew cab	2
133	0697825		Tag, Pierce Parts Website Info, Cab Door	1
134	0585536	SP	Hood Modification, Add Extra Spring	1
135	0887721	SP	Insulation, Extreme Climate, IPOS, Tucson	1
136	0708738	SP	Expanded Metal, Insulation. Eng Tunnel and Cab and Crew Floor	1
137	0539585		Cover, Aluminum, Painted to Match Cab Interior Location - OVER ENGINE DIAGNOSTICS Qty, - 1	1
138	0792143	SP	Drip Rail, Cab Roof, Including Light Brackets, Impel/Velocity/Velocity SLT	1
139	0079144		Inserts, Screws, For All Cab Door Panels	1
140	0663375		Mounting Provisions, 1/4" Alum, Full Engine Tunnel, Vel/Imp Mounting Provision Spacing - 1.00" Material Finish, Cab Interior - Painted	1
141	0748671		Cab Interior, Vinyl, Velocity FR, CARE Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Silver/Gray	1
142	0667943		Cab Interior, Paint Color, Impel/Velocity FR Color, Cab Interior Paint - i) fire smoke gray	1
143	0616854	SP	Floor, Rubber Padded Cab & Crew Cab, Seal Edges and Seams, Imp/Vel, Dash CF	1
144	0741239		HVAC, Impel/Velocity FR, CARE Paint Color, A/C Condenser - Painted to Match Cab Roof HVAC System, Filter Access - Tool Free Panel Auxiliary Cab Heater - Both	1
145	0683927		Cover, A/C lines and Connections, Painted	1
146	0789406	SP	Drain Lines, A/C, Coleman, Special Routing to Center of Cab	1
147	0745748		Tracer Dye, To Detect Air Conditioning System for Leaks	1
148	0677382		Guard, Brush, Painted, For Coleman A/C Unit, Cab Roof	1
149	0787034		Air Conditioning, Coleman-Mach 8, Roughneck, 120V, 15K, 6K Heat, Cab Roof,Black Thermostat - Coleman ceiling unit AC Power Source - Shoreline	1
150	0639675		Sun Visor, Smoked Lexan, AXT, Imp/Vel, Saber FR/Enforcer Sun Visor Retention - Thumb Latch	1
151	0548173		Grab Handles, Driver and Passenger Door Post, Imp/Vel	1
152	0693439		Lights, Engine Compt, Custom, Auto Sw, w/Fld Chk Dr WIn 3SC0CDCR, 3" LED Trim Qty, - 01	1
153	0122516		Fluid Check Access, Imp/Vel Latch, Door, Storage - Southco C2 Chrome Flush	1
154	0583042		Side Roll and Frontal Impact Protection	1
155	0622618		Seating Capacity, 5 Seats	1
156	0697005		Seat, Driver, Pierce PS6, Premium, Air Ride, High Back, Safety	1
157	0696994		Seat, Officer, Pierce PS6, Premium, Air Ride, SCBA, Safety	1
158	0002517		Not Required, Radio Compartment	1
159	0771851		Cabinet, Rear Facing, LS, 24 W x 40.5 H x 24 D, Web, Ext Acc, Sp Mtg, Imp/Vel Type of fastener - spring clip and hook Restraint Location - Top (towards roof of truck) Light, Short Cabinet - Pierce, Exterior, Left Side, Pierce, Exterior, Right Side, Pierce, Interior, Right Side and Pierce, Interior, Left Side Scuffplate, Material/Finish - S/S, Brushed Material Finish, Shelf - Brushed Shelf/Tray, Cabinet - (2) Shelves, Adjustable, 0.75" Up-Turned Lip Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Stay Arm Louvers, Cabinet - 0-No Louvers	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
160	0102783		Not Required, Seat, Rr Facing C/C, Center	1
161	0752571		Cabinet, Rear Facing, RS, 21.5 W x 40.5 H x 21 D, Web, Ext Acc, Sp Mtg, Imp/Vel Type of fastener - spring clip and hook Restraint Location - Top (towards roof of truck) Light, Short Cabinet - Pierce, Exterior, Left Side, Pierce, Exterior, Right Side, Pierce, Interior, Right Side and Pierce, Interior, Left Side Scuffplate, Material/Finish - S/S, Brushed Material Finish, Shelf - Brushed Shelf/Tray, Cabinet - (2) Shelves, Adjustable, 0.75" Up-Turned Lip Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Stay Arm Louvers, Cabinet - 0-No Louvers	1
162	0640422	SP	Seat, Forward Facing C/C, DS Outbrd, Pierce PS6, SCBA, Foldup, Safety, Inbrd 3"	1
163	0122745		Seat, Forward Facing C/C, Center, (1) Pierce PS6, Premium, SCBA, Safety	1
164	0640272	SP	Seat, Forward Facing C/C, PS Outbrd, PS6, SCBA, Foldup, 17" Btm, Safety, Inbrd 3"	1
165	0566653		Upholstery, Seats In Cab, Turnout Tuff Color, Cab Interior Vinyl/Fabric - c) Black	1
166	0543991		Bracket, Air Bottle, Hands-Free II, Cab Seats Qty, - 04	4
167	0690610		Embroidery, Seats, Cab and Crew Cab Qty, Seats Embroidery - 5 Seats	1
168	0603867		Seat Belt, ReadyReach Seat Belt Color - Red	1
169	0604864		Seat Belt Height Adjustment, 5 Seats, Imp/Vel, Dash CF	1
170	0602464		Helmet Storage, Provided by Fire Department, NFPA 2016	1
171	0647647		Lights, Dome, FRP Dual LED 4 Lts Color, Dome Lt - Red & White Color, Dome Lt Bzl - Black Control, Dome Lt White - Door Switches and Lens Switch Control, Dome Lt Color - Lens Switch	1
172	0650081		Lights, Dome, WIn, 60C*EGCS Dual LED Location - over the officer's seat Qty, - 01 Color, Dome Lt - Red & White Control, Dome Lt White - Lens Switch and Match Crew Cab Switch Control, Dome Lt Color - Lens Switch and Match Crew Cab Switch	1
173	0896451		Enhanced Software for Cab and Crew Cab Dome Lts	1
174	0631776		Not Required, Overhead Map Lights	1
175	0602622		Portable Hand Light, Provided by Fire Department, Quint NFPA 2016 Classification	1
176	0568369		Cab Instruments, Ivory Gauges, Chrome Bezels, Impel/Velocity 2010	1
177	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
178	0653441	SP	Light, Do Not Move Apparatus, WIn L32LRF, Red LED Beacon Alarm, Do Not Move Truck - Pulsing Alarm	1
179	0743386		Messages, Open Dr/DNMT, Color Dsply, 100AAT	1
180	0611681		Switching, Cab, Membrane, Impel/Velocity/Quantum, Dash CF, AXT WiFi MUX Location, Emerg Sw Pnl's - Driver's Side Overhead	1
181	0555915		Wiper Control, 2-Speed with Intermittent, MUX, Impel/Velocity	1
182	0731813		Hour Meter, Aerial, Included in Information Centers, ASL, AAT, ASP	1
183	0002615		Switch, Aerial 12V Master	1
184	0002617		PTO switch, w/light - aerial	1
185	0548009		Wiring, Spare, 20 A 12V DC 1st Qty, - 01 12vdc power from - Isolated battery Wire termination - Stud Location, Spare Wiring - Behind panel 9	1
186	0548004		Wiring, Spare, 15 A 12V DC 1st Qty, - 09 12vdc power from - Battery direct Wire termination - Stud Location, Spare Wiring - LS1,LS2,LS3,LS4,RS1,RS2,RS3,RS4,RS5	9
187	0598394		Wiring, Spare, 30 A 12V DC, 6 Circuit Fuse Block, Blue Sea 5025 1st Qty, - 03 12vdc power from - Battery direct	3

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
187			Location - In the EMS cabinets on either side. Down low, mounted to the inboard wall of each cabinet and one mounted on the rear wall between the center seat and the r/s crew cab seat, on the tunnel.	
188	0548006		Wiring, Spare, 15 A 12V DC 2nd Qty, - 02 12vdc power from - Battery direct Wire termination - Stud	2
189	0899010	SP	Location - one in each side of the transverse cab compartment Wiring, Spare, 12V DC, USB-A, USB-C AlfredDireck1st Qty, - 04 12vdc power from - Battery direct	4
190	0566101		Location - officers dash, rear of center console for driver, recessed into the rear engine tunnel on each side of the fluid check access door Recess, Dash Panel, Officer Side, Vel/Imp	1
191	0804003		Radio, APTIV, AM/FM/WB/Frt USB, BT	1
192	0679284		Speakers, AM/FM Radio - Two (2) pairs of speakers, Cab/Crew Antenna, AM/FM Radio - Roof-Mounted rubber antenna-Forward Location, AM/FM Radio - e) switch panel Switch, 12V (Inst Pnl), AM/FM Radio, Off Switch, Auto On	1
193	0615386		Location - on/off at driver side panel and officer panel Vehicle Information Center, 7" Color Display, Touchscreen, MUX	1
194	0734857		System Of Measurement - US Customary Collision Mitigation, HAAS Alert (R2V), HA5	1
195	0606249		Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	1
196	0734174		Vehicle Data Recorder w/CZ and Overhead Display Seat Belt Monitor Intercom, David Clark, 5-Pos, 2-Radio, D, O, 3ibC, 3805	1
197	0637058		Location, Intercom, C Cab - 3) 3 forward facing seats David Clark Universal Radio Interfaces Included with Single/Dual System	1
198	0589947		Location, Radio Interface - tbd Headset, David Clark, H3432 Over The Head, Flex Mic, Push On Push Off Qty, - 05	5
199	0681408		Location - one at each seated position Hangers For Headsets, NFPA, Each Qty, - 05	5
200	0067116		Location, Headset Hangers - Driver Seat, Officer Seat, DS Outbrd, Fwrd Fcng Seat, PS Outbrd, Fwrd Fcng Seat and Rear, Center, Fwrd Fcng Seat Bracket, Johnny Ray Swivel, 7 Lb. Rating	1
201	0696443		Location - center overhead Qty, - 01 Antenna Mount, Custom Chassis, Cable Routed to Overhead Switch Area	2
202	0805750	SP	Location - on the right side Qty, - 02 Camera, Safety Vision, Mux Display, R, 2 Cab Interior Cameras, 4401-HVR Location - Mount on the back side of the DS rear facing EMS cabinet Color - 1) black Camera System Audio - Not Provided	1
203	0511071		Guard, 4-Way, Rear Vision Camera Qty, - 01	1
204	0674566		Location - over B1 Location, Rear Vision Camera	1
205	0653350		Location - Under ledge at rear of apparatus above B1 to match print Guards, Vehicle Camera(s), Painted Smooth Aluminum Qty, - 02	2
206	0896458		Location - driver & officer side Pierce Command Zone, Advanced Electronics & Control System, Vel WiFi CZT Color, Antenna - Black Antenna Module Housings - Black Housing with Power and Status Ind	1
207	0896456		Prognostics, Electrical System	1
208	0730603		Electrical System, Velocity ESP, Cummins, Paccar	1
209	0098841		Batteries, (6) Deka Grp 31, 1000 CCA each, Threaded Stud	1
210	0008621		Battery System, Single Start, All Custom Chassis	1
211	0123174		Battery Compartment, Imp/Vel	1
212	0641527		Battery Charger/Converter, Progressive Dynamics PD2180, 80A	1
213	0012784		Location, Charger, Compt over Stabilizer, PAL/PAP	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
214	0530960		Not Required, Remote Battery Charger Indicator	1
215	0601348	SP	Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super, Qty Qty, - 02 Color, Kussmaul Cover - b) red Connection, Shoreline - one to the 120v outlets, and one to the Coleman A/C Color, Kussmaul Cover 2 - e) blue	2
216	0026800		Shoreline Location	1
217	0516654		Location, Shoreline(s) - Two (2) Crew Cab	
217	0516654		Battery "On" Indicator, Center Marker Lt Cab, VEL/IMP	1
218	0691720		Display, Kussmaul Battery Status Indicator, 091-189-12, Wired To Batteries	1
			Location - above the shoreline plug on the driver side to the rear of the crew door	
219	0515090		Display, Kussmaul Single Bat Status Ind 091-94-12, Wired to Batteries	1
			Location - forward of the drivers door	
220	0647728		Alternator, 430 amp, Delco Remy 55SI	1
221	0761657		Wiring, All Electrical, High As Possible In Frame Rails	1
222	0781420	SP	Guard, Fuse/Relay Package in Frame Rails	1
223	0092582		Load Manager/Sequencer, MUX	1
			Enable/Disable Hi-Idle - e)High Idle enable	
224	0724853		Headlights, Rect LED, HiViz FT-4X6-4KIT, AXT/DCF/Enf/Imp/Sab/Vel, Trim	1
225	0775768		Color, Headlight Housing and Trim - Black Painted Housing and Trim	
225	0775768		Light, Directional, WIn 600 Cmb, Cab Crn, Imp/Vel/AXT/Qtm/DCF, Black Trm	1
			Color, Lens, LED's - c)clear	
226	0804725		Light, Directional, WIn M62T LED Arrow, Additional	2
			Location, Lights - back of the cab.	
			Qty, - 02	
			Color, Lens, LED's - Match	
			Color, Trim - Black Trim	
			Flash Pattern, Directional Lts - Sequence (80 FPM) to Solid	
227	0620054		Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
228	0734348		Lights, Clearance/Marker, Side WIn 0SA00MCR 2 Lts, Others With Visor Lt	1
229	0591889		Lights, Clearance/Marker/ID, Rear, WIn 0SR00MCR LED 7Lts	1
230	0602938		Light, Marker End Outline, Rubber Arm, LED Marker Lamp, Rear Body	1
			Qty, Lights, Pair - 1	
231	0804514		Lights, Tail, WIn M62BTT* Red Stop/Tail & M62T* Amber Dir Arw For Hsg	1
			Color, Lens, LED's - Match	
			Flash Pattern, Directional Lts - Sequence (80 FPM) to Solid	
232	0561471		Lights, Backup, WIn M6BUW, LED, For Tail Lt Housing	1
233	0889571		Bracket, License Plate & Light, P25 LED, Stainless Brkt, Loc	1
			Location - License plate holder to be mounted mid-level on rear of body and outboard to allow for mounting cones on the rear tailboard.	
			Color, Trim - Black Housing	
234	0794744		Bezels, WIn, (2) M6 Black Pierce, For mtg (4) WIn M6 lights	1
235	0589905		Alarm, Back-up Warning, PRECO 1040	1
236	0769566		Lights, Perimeter Cab, Amdor AY-LB-12HW020 & AY-LB-12HW012 LED 4Dr	1
237	0769564		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 1lt	1
238	0763190		Lights, Perimeter Body, Amdor AY-LB-12HW012 LED 3lts	1
			Control, Perimeter Lts - Parking Brake Applied, Directional Light Activation and Reverse Signal Activation	
239	0769570		Lights, Perimeter, Amdor AY-LB-12HW020 20", Brkt	6
			Qty, - 06	
			Location, Additional Perimeter Lights - Each Side Under Front Bumper, 2lts, Under Compt LS1, 1lt, Under Compt RS1, 1lt, Under Compt LS4, 1lt and Under Compt RS4, 1lt	
240	0896454		Enhanced Software for Perimeter Lts	1
241	0735865		Step Illumination, Pump Panel Light Shield, 100AAT, w/Pump	1
242	0805671	SP	Light, Ext Brw, HV FT-BG2S-R275C-80-*, I/V, Velocity, SBSC	1
			Color, Lt Housing - Black	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
243	0804903	SP	Lights, Extruded Side, HiViz FT-BG2S-R2-34-*, 34", AXT/En/Imp/Sab/Vel LS SBCS Qty, - 01 Location - Centered above cab LS Color, Lt Housing - Black	1
244	0804904	SP	Lights, Extruded Side, HiViz FT-BG2S-R2-34-*, 34", AXT/En/Imp/Sab/Vel RS SBCS Qty, - 01 Location - Centered above cab, RS Color, Lt Housing - Black	1
245	0897412	SP	Lights, Extruded, HiViz FT-BG2SR-T90-34-*, RS Bdy 33.46" Location - RS body front and rear Qty, - 02 Color, Lt Housing HiViz - Black Control, HV Fld/Scn - No Fld/Scn Control Control, HV Spot - No Spot Control Control, HV Left Traffic Dir - No Left Traffic Dir Control Control, HV Right Traffic Dir - No Right Traffic Dir Control Control, HV Center Out - No Center Out Control Control, HV Warn 1 - No Warning Mode 1 Control Control, HV Illumination Reduction - No illumination reduction control Control, HV Warn Illumination Reduction - No warning illumination reduction control	2
246	0897416	SP	Lights, Extruded, HiViz FT-BG2SR-T90-34-*, LS Bdy 33.46" Location - LS body front and rear Qty, - 02 Color, Lt Housing HiViz - Black Control, HV Fld/Scn - No Fld/Scn Control Control, HV Spot - No Spot Control Control, HV Left Traffic Dir - No Left Traffic Dir Control Control, HV Right Traffic Dir - No Right Traffic Dir Control Control, HV Center Out - No Center Out Control Control, HV Warn 1 - No Warning Mode 1 Control Control, HV Illumination Reduction - No illumination reduction control Control, HV Warn Illumination Reduction - No warning illumination reduction control	2
247	0803615	SP	Lights, Extruded, HiViz FT-BG2S-T90-72-*, Rear Body 72", SBCS Color, Lt Housing - Black	1
248	0766802		Not Required, Deck Lights, Other Hose Bed & Rear Lighting, 100AAT	1
249	0729276		Lights, Hose Bed, Front/Rear, Light Strips, AAT Control, Hose Bed Lts - Cup Switch At Rear SS	1
250	0645677		Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
251	0892702		Lights, Walk Surf, Amdor AY-LB-12HW020, P25 LED, 100AAT Color, Trim - Black Housing	1
252	0653577		Switch, AM/FM Radio, On/Off On Officer's Side	1
253	0022068		Switch, AM/FM Radio, On/Off on Driver's Side	1
254	0771870		Aerial, 100AAT, Alum Body	1
255	0554271		Body Skirt Height, 20"	1
256	0769002		Tank, Water, 300 Gallon, Poly, 100AAT	1
257	0751917		Overflow, 3.00" Water Tank, Poly	1
258	0028107		Not Required, Foam Cell Modification	1
259	0003429		Not Required, Direct Tank Fill	1
260	0769016		Hose Bed, Alum, Right Side, 100AAT	1
261	0723546		DA Finished Hose Bed/Cargo Area	1
262	0555137		Hose Bed Capacity 800' of 5.00", 100AAT, 100' RMAP	1
263	0748063		Hose Restraint, Front Vinyl/Treadplate, 1" Heavy Nylon Web Rear, 100AAT Color, Vinyl Cover - a) red	1
264	0003512		Running Boards, Ascendant, PAL	1
265	0733127	SP	Turntable Steps, Swing, LS, Lift-Bar Latch, Smooth Alum Step Well, Knurled Lit, 100AAT Color, Handrail Light - Red Control, Handrail Light - Cab Handrail Controls Step, Flip - Flip Step, One Step Assembly Body Handrail Finish - black anodized lit	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
265			Step Surface, Turntable - Morton Cass, One Step Assembly	
266	0889980		Lights, Step (3), P25 LED, One Side	1
			Control, Scene Lts - Park Brake	
			Color, Trim - Chrome Housing	
267	0690023		Wall, Rear, Smooth Aluminum	1
268	0074515		Tow Eyes (2), 100AAT, Ascendant Single Axle, 75' HAL	1
269	0769019		Construction, Compt, Alum, 100AAT	1
270	0890825	SP	Compt, Left Side, Roll, Roll, Lift, Lap, 100AAT	1
			Latch, Door, Access - SouthCo C2 black raised, pair	
271	0890817	SP	Compt, Right Side, Roll, Roll, Lift, Lap, Lap, 100AAT	1
272	0766482		Doors, Amdor Rollup, Side Compartments	5
			Qty, Door Accessory - 05	
			Color, Roll-up Door - AMDOR Painted to Match Lower Body	
			Latch, Roll-up Door - Non-Locking Liftbar	
273	0723001	SP	Bumper, Rear, 3", Counterwt, Steel, Painted, Full 45 Deg Angled Corner, 100AAT	1
			Paint Color, Predefined - #101 black	
274	0021603		Scuffplate, Brushed S/S Bottom of Door Frame	2
			Location, Door Accessory - LS3/RS3	
			Qty, Scuffplates - 02	
275	0611794		Trim, Rollup Door, Painted Door Color, Amdor	4
			Location, Door Accessory - all side doors	
			Qty, - 04	
276	0637421		Trim, Rollup Door, Painted Door Color, Gortite	1
			Location, Door Accessory - B1	
			Qty, - 01	
277	0603083		Lights, Compt,Pierce LED,Dual Light Strips,Each Side Dr,Ascend TA,75'HAL,PAP,HDL	10
			Qty, - 10	
			Location, Compartment Lights - All Body Compts	
278	0760868		Lights, Cargo/Dunnage, Dual LED Light Strips, Each Side	1
			Control, Scene Lts - Light Shield Lts	
279	0687145		Shelf Tracks, Recessed, PUC/3rd Generation	1
280	0600289		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations, Aerial	4
			Qty, Shelf - 04	
			Material Finish, Shelf - Painted - Spatter Gray	
			Location, Shelves/Trays, Predefined - RS3-Centered, RS4-Centered, RS5-Centered and LS3-Centered	
281	0003983		Tray, 500 lb Slide-out, 2" Sides - Adj. Height	4
			Location - 3 in LS1, spaced evenly, and one in RS2, upper third	
			Qty, Tray (slide-out) - 04	
282	0004055		Tray, 250 lb Slide-out, 6" Sides - Adj. Height	1
			Location - LS4, with enough room below for a 25' roll of 5" and a 25' roll of 3" hose	
			Qty, Tray (slide-out) - 01	
283	0647044		Tray, Floor Mounted, Slide-Out, w/ Side Slides, FW/FD, 500lb, 2.00" Sides, 3G	4
			Qty, - 04	
			location - LS2, RS2, RS1, RS4	
			Material - paint to match compt interior	
284	0590939		Toolboard, Alum, .188", Peg Board, Added to Slide-Out Tray	2
			location - LS2, RS1	
			Qty - 2	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Painted - Spatter Gray	
285	0726428		Partition, Horizontal, In Compt	1
			Qty, Partition - 01	
			Location - LS3, to allow room for Little Giant ladder	
286	0726403		Partition, Vertical Compt, Special Height	1
			Qty, Partition - 01	
			Fill in Blank - rearward to support max. width (60") slide-out tilt tray	
			Location - LS3	
			Material Finish, Partition - Painted - Spatter Gray	
287	0613558	SP	Mounting Peg, Fin Style, Traffic Cones, Tailboard, Treadplate	1
			Location - tbd at final	
			Qty, - 01	

Line	Option	Type	Option Description	Qty
287			Length - 18.00"	
288	0721091	SP	Access Panel Door, LS Turntable Step Well, Latch FV, 100AAT Latch, Door, Access - SouthCo C2 black raised	1
289	0755527		Pegboard, Back Wall Mounted, 3/16" Alum, Standard Depth Upper Qty, Comp. Accessory - 01 Hole Diameter, Pegboard/Toolboard - .203" diameter Finish, Pegboard/Toolboard - Painted - Spatter Gray	1
290	0062238		Location, Compartment, Predefined - RS3 Pegboard, Side Wall Mounted, 3/16" Alum Location - RS1 Qty, Comp. Accessory - 02 Configuration - match the pegboard on the rear wall Hole Diameter, Pegboard/Toolboard - .203" diameter Finish, Pegboard/Toolboard - Painted - Spatter Gray	2
291	0755526		Location, Compartment, Predefined - RS3 Pegboard, Back Wall Mounted, 3/16" Alum, Special Qty, Comp. Accessory - 01 Configuration - full height of compartment Hole Diameter, Pegboard/Toolboard - .203" diameter Finish, Pegboard/Toolboard - Painted - Spatter Gray	1
292	0805620	SP	Location, Compartment, Predefined - RS1 Rack, Air Bags inside Compt, 6-Slot, w/Air Bag Controller Location - LS2 Size - TBD Finish - Painted, Spatter Gray Fill in Blank - TBD	1
293	0899886		Rub Rail, Black Plastic 1.00" x 3.00" w/.50" Spacer, Body Sides, 3G Aerials	1
294	0763570	SP	Fender Crowns, Rear Painted, S/S, w/Removable Fender Liner, Aerial, 3G, Two Pair Paint Color, Predefined - #101 black	1
295	0519849		Not Required, Hose, Hard Suction	1
296	0893497		Handrails, Side Pump Panels, Per Print, Hansen Knurled Alum, LED, Black, Aerial Switch, Handrail Light Control - With Cab Hand Rail Controls Color, Light, Hansen Handrail - Red Step, Runningboard - step	1
297	0760668		Compt, Equipment/Air Pack, Betw Tandems, No Dividers, w/Strap, 100AAT, Bolt-In Qty, Air Bottle Comp - 1 Location, driver's/passenger's/center - LS Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Chrome Raised, Pair Insert, Air Bottle Compt - Dura-Surf Lining Door Type - lift up with pneumatic spring	1
298	0765324		Compt, Air Bottle/Extinguisher,Between Tandems,Three (3),w/Straps,100AAT,Bolt-In Qty, Air Bottle Comp - 1 Location, driver's/passenger's/center - RS Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Chrome Raised, Pair Insert, Air Bottle Compt - Dura-Surf Lining Door Type - lift up with pneumatic spring	1
299	0721718		Compt,Air Bottle w/DEF Tank,Tri Door,w/Strap,Single,Fender Panel,Bolt-In,100AAT Qty, Air Bottle Comp - 1 Door Finish, Fender Compt - Painted Location, Fender Compt - Single - LS Fwd Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - Dura-Surf Lining	1
300	0795333		Compt, Air Bottle, Single, Fender Panel, Bolt-In Qty, Air Bottle Comp - 1 Door Finish, Fender Compt - Painted Location, Fender Compt - Single - RS Fwd Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - Dura-Surf Lining	1
301	0750559		Compt, Air Bottle, Double, Fender Panel, Alum, Common Fuel Door, 100AAT Qty, Air Bottle Comp - 2 Door Finish, Fender Compt - Painted Location, Fender Compt - Single - LS Rear - Fuel Fill Combo - Triangular Dr and Single - RS Rear - Fuel Fill Combo - Triangular Dr	2

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
301			Latch, Air Bottle Compt - Southco C2 Chrome Raised	
			Insert, Air Bottle Compt - Dura-Surf Lining, W-Shaped Insert and Strap	
302	0625049		Cable Restraint, Air Bottle Compartment Door(s)	4
			Qty, - 04	
			Fill in Blank - all air bottle compartments	
303	0768635		Ladder, 35' Duo-Safety 1200A 2-Sect	2
			Qty, - 02	
304	0010406		Ladder, 28' Duo-Safety 1200A 2-Section	2
			Qty, - 02	
			Location, Extension Ladder - torque box	
305	0595251		Ladder, 16' Duo-Safety 875-DR Roof, Hooks Both Ends	1
			Qty, - 01	
306	0652466		Ladder, 20' Duo-Safety 875-DR Roof	1
			Qty, - 01	
307	0521218		Not Required, Attic Extension Ladder	1
308	0768634		Ladder, 10' Duo-Safety Folding, 585A	2
			Qty, - 02	
			Location, Folding Ladder Aerial - torque box	
309	0745985		Ladders Stored in Torque Box, Gortite Roll, 100AAT	1
			Color, Roll-up Door, Gortite - Painted to Match Lower Body	
			Latch, Roll-up Door, Gortite - Non-Locking, Rear	
			Latch, Door Ladder Storage - Southco C2 Black Raised, Pair	
310	0766602		Lights, Torque Box Ladder Storage, Pierce LED Strip Lights, 2 Lts, 100AAT	1
311	0004249		Slides, Dura-Surf, Ground Ladder Storage, Horizontal Surfaces, Ascendant,PAL,PAP	1
312	0658170		Ladders, Nested, Right Side Ground Ladder Storage	1
313	0658169		Ladders, Nested, Left Side Ground Ladder Storage	1
314	0788575		Pike Pole, 12' Fire Hooks Unlimited, NY Roof Hook, Fiberglass, RH-12, Pry End	1
			Qty, - 01	
315	0567897		Pike Pole, 8' Fire Hooks Unlimited, New York Roof Hook, Steel, Pry End, RH-8	2
			Qty, - 02	
			Location - torque box	
316	0552649		Pike Pole, 6' Fire Hooks Unlimited, New York Roof Hook, Steel, Pry End, RH-6	2
			Qty, - 02	
			Location - torque box	
317	0638907		Pike Pole, 3', Quint, Provided by Fire Department, NFPA	1
			Qty, - 01	
			Pike Pole Make/Model - Duo-Safety 3' Pike Pole	
318	0063392		Pike Pole, 10' Fire Hooks Unlimited, New York Roof Hook, Steel, RH-10, Pry End	1
			Qty, - 01	
319	0089339		Pike Pole, 10' Nupla, Vent Hook, RH-10DA, w/D Handle	1
			Qty, - 1	
320	0770572		Pike Pole Tubes, in Torque Box/Ladder Storage, Alum, Special Notch, NY Style	6
			Qty, - 06	
321	0645892		Label, All Apparatus Filters and Part Numbers	1
322	0755552	SP	Label, Indicator Lamp Symbols, Cab Door Panel	1
			Location - driver's door	
323	0765390		Pump House, Side Control, 42", 100AAT, Control Zone	1
324	0767048		Pump House Structure	1
325	0767622		Pump, Waterous, S100, 2000 GPM, Single Stage, 100' AAT	1
326	0504116		Seal, Mechanical, Waterous, w/S100 Pump	1
327	0559768		Trans, Pump, Waterous C20, S100 Pump Only	1
328	0635600		Pumping Mode, Stationary Only	1
329	0605126		Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
330	0003148		Transmission Lock-up, EVS	1
331	0004547		Auxiliary Cooling System	1
332	0014486		Not Required, Transfer Valve, Single Stage Pump	1
333	0746508		Valve(s), Relief Intake, Trident Air Max, Control Location	1
			Qty - 1	
			Pressure Setting - 125 psig	
			Intake Relief Valve Control - Left Side Pump Panel	
334	0692045		Controller, Pressure, FRC, Pump Boss, PBA400	1
335	0072153		Primer, Trident, Air Prime, Air Operated	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
336	0658361		Thermal Relief Valve, OPM, w/Red Warning Light and Audible Alarm, Waterous Pump	1
			Location, Thermal Relief Discharge - Pump Operator's Panel	
337	0654524		Thermal Relief Valve, TRV120-L w/Red Warning Light and Alarm, Waterous Pump	1
			Location, Thermal Relief Discharge - Pump Operator's Panel	
338	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
339	0602492		Plumbing, Stainless Steel and Hose, Single Stage Pump, 100AAT	1
340	0089437		Plumbing Without Foam System	1
341	0751029		Inlets, 6.00", (1) Left Side, (1) Right Side, 1500-2000 GPM Pump, 100AAT	1
342	0014650		Pump Suction Tube(s), Short, All	1
343	0725436	SP	Valve, Ball Intake, Akron Revolution, 100AAT	2
			Location - both sides	
			Qty - 2	
			Connection, Inlet, Side B - 5.0" Storz swivel with a cap	
			Connection, Outlet, Side A - 6.0" FNST swivel long handle	
			Ball Intake Valve - 7982 (30 degree swivel inlet)	
344	0699096		Not Required, Cap, Main Pump Inlet, Included w/Storz Adapter	1
345	0084610		Valves, Akron 8000 series- All	1
346	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	1
			Qty, Inlets - 1	
347	0004700		Control, Inlet, at Valve	1
348	0004660		Inlet (1), Left Side, 2.50"	1
349	0723551		Inlet (1), Right Side, 2.50"	1
350	0782208	SP	Adapter, Aux. Inlet, 2.5" MNST x 1.5" FNST w/Plug	1
			Qty, Adapter for Inlet - 1	
351	0034720		Anode, Zinc, Pair, Pump Inlets	1
352	0723049		Valve, .75" Bleeder, Aux. Side Inlet, "T" Swing Handle	1
353	0805384	SP	Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing, Reverse Linkage, 100AAT	1
354	0004905		Outlet, Tank Fill, 1.50"	1
355	0062133		Control, Outlets, Manual, Pierce HW if applicable	1
356	0004940		Outlet, Left Side, 2.50"	2
			Qty, Discharges - 02	
357	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
358	0004945		Outlet, Right Side, 2.50"	1
			Qty, Discharges - 01	
359	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
360	0767613		Outlet, 4" w/4" Right, Sm Handwheel, 100AAT	1
			Valve, Brand - Akron	
361	0650671		Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz, TFT AH3 ST-NP, w/Cap	1
362	0092572		Not Required, Outlet, Front	1
363	0752078		Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, S/S Cable	1
364	0723042		Valve, 0.75" Bleeder, Discharges, "T" Swing Handle	1
365	0029106		Not Required, Deluge Outlet	1
366	0767110		Waterway Outlet & Control, 4" Akron, Sm HW, 100AAT	1
367	0723726		Speedlay Module Not Required	1
368	0722432		Hose Restraint Not Required, No Speedlay Module	1
369	0723395		Speedlays, Not Required	1
370	0723394		Speedlays, Not Required	1
371	0762277		Crosslays Sngl Sheet Unpainted, (1+) 1.50" Std. Cap, 100AAT	2
			Qty, Crosslays - 2	
372	0762275		Crosslays Sngl Sheet Unpainted, (1) 2.50" Std Cap, 100AAT	1
373	0721087	SP	Hose Rest, Crosslays, 2" Nylon Web, Seat Belt Buckle in Corner, Tether, Sides	2
			Qty, - 02	
374	0733678	SP	Rear Crosslay Sheet, Painted IPOS	1
375	0044333		Not Required, Foam System	1
376	0012126		Not Required, CAF Compressor	1
377	0552517		Not Required, Refill, Foam Tank	1
378	0042573		Not Required, Foam System Demonstration	1
379	0045465		Not Required, Foam Tanks	1
380	0091110		Not Required, Foam Tank Drain	1
381	0091112		Not Required, Foam Tank #2 Drain	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
382	0746447		Approval Dwg, All Pump Panel(s), Includes Color And Label Tags Num Of Truck(s) or Sim Unit, ALL Pump Pnl, Dwg - 01	1
383	0032479		Pump Panel Configuration, Control Zone	1
384	0747651		Step, Slide-Out/Fold-Out, Pump Operator Platform, 100AAT	1
385	0667186		Light, Slide-Out Pump Operator Step, On Scene Solutions Access LED, Short Step	1
386	0635355		Material, Pump Panels, Side Control Painted FormCoat Black Material Finish, Pump Panel, Side Control - Painted FormCoat Black Material, Pump Panel, Side Control - Aluminum	1
387	0723264		Panel, Pump Access - Right Side Only, 100AAT Latch, Pump Panel Access, Side Mount - Raised Trigger, Black	1
388	0583824		Light, Pump Compt, WIn 3SC0CDCR LED White Qty, - 01	1
389	0586382		Gauges, Engine, Included With Pressure Controller	1
390	0005601		Throttle, Engine, Incl'd w/Press Controller	1
391	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle,Green	1
392	0549333		Indicators, Engine, Included with Pressure Controller	1
393	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
394	0553643		Control, Air Horn at Pmp Pnl, Red Switch	1
395	0005689		Gauges, 4.50" Master, Class 1, 30"-0-600psi	1
396	0511100		Gauge, 2.00" Pressure, Class 1, 30"-0-400psi	1
397	0604123		Gauge, Water Level, FRC, WLA 300-A00, TankVision Pro, w/Remote Light Driver	1
398	0581689		Water Level Gauge, WIn M4*Color lens w/Flange, Grn-Blu-Amb-Red, Vertical Mnt. Location - Rearward of crew cab doors, both sides. Qty, - 02 Activation, Water Level G - pb) parking brake is applied	2
399	0006774		Not Required, Foam Level Gauge	1
400	0735892		Light Shield, S/S LS & RS, 100AAT, Std LED	1
401	0762640		Air Horns, (2) Hadley, 6" Round, eTone, In Bumper, 100AAT	1
402	0606833		Location, Air Horns, Bumper, Each Side, Inside Frame (Pos #3 & #5)	1
403	0757092		Control, Air Horn, Multi Select	1
404	0757077		Control, Air Horn, Lanyard, LS Lanyard - Plastic Coated Braided Cable	1
405	0757084		Control, Air Horn, Horn Ring	1
406	0757076		Control, Air Horn, Lanyard, RS Lanyard - Plastic Coated Braided Cable	1
407	0721026	SP	Siren, WIn 295SL101 (2), w/2 Switches, Removeable Mic Location - behind the officers seat, facing the engine tunnel Location 1 - and the other within reach of the officer	1
408	0781144	SP	Location, Elect Siren, Behind Officer Side Seat, Facing Eng Tun, Vel/Imp	1
409	0748306		Control, Elec Siren, Multi Select	1
410	0748287		Control, Elec Siren, Rocker/Membrane Sw, RS	1
411	0748286		Control, Elec Siren, Rocker/Membrane Sw, LS	1
412	0722086	SP	Speaker, (2) WIn, SA315P, w/Pierce Black Painted Grille, Painted Bezel, 100 watt Connection, Speaker - siren head	1
413	0601558		Location, Speaker, Frt Bumper, Recessed, Ea Side, Outside Frame, Inbrd (Pos 2/6)	1
414	0895290		Siren, Federal Q2B, VEL, 100AAT Finish, Q2B Siren - Black Chrome	1
415	0578974		Siren, Mechanical, Recessed In Grille, Imp/Vel	1
416	0748305		Control, Mech Siren, Multi Select	1
417	0748282		Control Mech Siren, Ft Sw LS	1
418	0748279		Control Mech Siren, Push Button Sw, RS	1
419	0740834		Sw, Siren Brake, Momentary Red, LS Overhead Sw Pnl	1
420	0740392		Sw, Siren Brake, Momentary Red, RS Overhead Sw Pnl	1
421	0006142		Cut-out, Elect Siren interlock to Prk Brk	1
422	0002623		Cut-Out, Mech Siren, Interlock to Prk Brk	1
423	0803581	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 2nd Location - officers side overhead switch panel	1
424	0803539	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 1st Location - drivers side overhead switch panel	1
425	0803965	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 3rd Location - left side pump panel	1
426	0746353		Not Required, Warning Lights Intensity	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
427	0721110	SP	Lightbar, WIn, Freedom IV-Q, 81", RBRBRRWRRWRRBRRBR Filter, Whl Freedom Ltbrs - No Filters	1
428	0898734		Light, Front Zone, WIn M6** M6** M6** M6** Q Bzl Color, Lens, LED's - Clear Color, Lt DS Frnt Outside - Left Red Color, Lt PS Frnt Outside - Right Red Color, Lt DS Front Inside - Left Blue Color, Lt PS Front Inside - Right Blue Color, Q Bezel and Trim - Black	1
429	0558676		Daytime Running Lights, Headlights, Qtm, Vel/Imp, Enf/AXT-MUX, DCF (Low Beam)	1
430	0654895	SP	Light, Front, WIn M6*C LED, Clear Lens, Black Flange 1st Location, Lights - below headlights Qty, - 02 Color, Lights, Warning - d) blue Control, Light - h) front warning	2
431	0653937		Flasher, Headlight Alternating Headlt flash deactivation - a)w/high beam	1
432	0888271	SP	Lights, Side Zone Lower, WIn M6*C LED, Clear Lens, Blk Trim, 3pr, Ovr 25 Location, Lights Front Side - b)each side bumper Color, Lt Side Front - Red Color, Lt Side Middle - Red Color, Lt Side Rear - Blue Location, Lights Mid Side - Rearward of Crew Cab Doors Location, Lights Rear Side - Over Rear Wheels	1
433	0896616		Lights, Door Interior Flash, 4 Dr Cab, Weldon 8401-0000-20 Strip Light Control, Door Int Flash - None (Doors only) Location, Light, Door Int Flash - Over Window	1
434	0895609		Connectors, Door Interior Flash, All Cabs, Butt Splice	1
435	0678912		Lights, Door Interior Flash, Compt, Body WIn 50*03Z*R, TIR6 Location, Lights - one on each cab door Qty, - 04 Color, Lights, Warning - c) amber Color, Lens, LED's - c)clear	4
436	0746660	SP	Lights, Side Rf, WIn M4** LED, Paint Brkt, Custom 6lts, Trim Feature Location, Light Bar - b)over the crew cab doors Color, Lens, LED's - c)clear Color, Trim - Black Trim Color, Lt Side Front, DS - Red Color, Lt Side Front, PS - Red Color, Lt Side Mid DS - Blue Color, Lt Side Mid PS - Blue Color, Lt Side Rear PS - Red Color, Lt Side Rear DS - Red	1
437	0743910		Lights, Side, WIn M6** LED, Trm Fet 1st Location, Lights - forward over the tandem Qty, - 02 Color, Lights, Warning - Red Flashing Color, Lens, LED's - Clear Color, Trim - Black Trim	2
438	0564655		Lights, Rear Zn Lwr, WIn M6*C LED, Clear Lens, For Tail Lt Housing Color, Lt DS Rear - r) DS Rear Lt Red Color, Lt PS Rear - r) PS Rear Lt Red	1
439	0540799		Lights, Rear, WIn M9*C LED, Clear Lens Color, Light - x) one red, one amber Location, Rear Lights - Rear compt bulkheads Qty, - 02 Control, Light - a) rear upper warning	2
440	0740407		Lights, Rear, WIn M6** LED, Features 1st Location - Up high on rear body bulkhead Qty, - 02 Color, Lights, Warning - Blue Flashing Control, Light - a) rear upper warning Color, Lens, LED's - Clear Color, Trim - Black Trim	2

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
441	0088745		Light, Rear Zone Up, W/in L31HRFN LED Beacon, Red LED Color, Dome, Rear Warning - j) both domes clear	1
442	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
443	0765223		Bracket, 5" Ledge, Over Rear Compt Door Material, Bracket - Painted Aluminum	1
444	0781579		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Cab Qty, - 02 Location 1 - one each side of cab transverse compartment AC Power Source - Shoreline	2
445	0780267		Cover, Receptacle - Interior, Flip Up Duplex Cover(s) Receptacle, 15/20A 120V 3-Pr 3-Wr SB Dup, GFI, Interior Cab Qty, - 02 Location 1 - one in each EMS compartment AC Power Source - Shoreline	2
446	0779722		Cover, Receptacle - Interior, Flip Up Duplex Cover(s) Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Body Qty, - 09 Location 1 - LS1, LS2, LS3, LS4, RS1, RS2, RS3, RS4, RS5 - all on right side wall up and close to back wall (behind door roll if possible) AC Power Source - Shoreline	9
447	0519934		Cover, Receptacle - Interior SS Wall Plate(s) Not Required, Brand, Hydraulic Tool System	1
448	0649753		Not Required, PTO Driven Hydraulic Tool System	1
449	0771866		Aerial, Ascendant 100' Aerial Tower	1
450	0721584	SP	Boom Panel, Pair, HiViz FT-CU-HD48 LED, Top Edge, 100AAT Paint Color, Predefined - #90 Red	1
451	0526890		Not Required, Indicator, Extension	1
452	0688232		Rung Covers, Aerial Device Rung Cover Color - Black	1
453	0766887		Brackets, Stokes Storage, Base Section Above Boom Panel, 100AAT Qty, - 01 Finish - Painted, Aerial Device Color Location, Aerial Device - right side	1
454	0728982		Box, Saw Storage, w/Cover, Base Section Above Boom Panel, 100AAT, Door Sw Qty, - 01 Finish - Painted, Aerial Device Color Latch, Door, Storage - "D" Handle Latch Location, Aerial Device - left side Louvers - no louvers	1
455	0623645		Aerial Stability Test, Max Tip Options	1
456	0728167	SP	Box, Lyfe Bracket Stg, w/Covr, RS Base Section Above Boom Pnl, w/Door Switch, 100AAT Finish - Painted, Aerial Device Color Latch, Door, Storage - "D" Handle Latch Louvers - no louvers	1
457	0678539		Brackets Only, Roof/Wall Ladder, Aerial Fly Section Finish - DA Finish Roof Ladder, Make/Model - 16' Duo-Safety 875-DR	1
458	0770598		Basket, 100AAT	1
459	0673243		Scuffplate, Aerial Basket Doors Material Trim/Scuffplate - b) S/S, Brushed Scuffplate Size - 8.00"	1
460	0677439		Box, Hose Storage, Platform Qty, - 01 Latch, Door, Storage - Rubber Draw Latch Location, Aerial Basket - right Cover - cover Hose Size, Hosebox - 100' of 1.75"	1
461	0754365		Cover, MUX Display, Platform Latch, Door, Storage - Butterfly Latch Material - Stainless Steel, Brushed	1
462	0803225		Lights, Turntable Walkway, P25, On Scene, LED, 100AAT Color, Trim - Chrome Housing	1
463	0767535		Light, Turntable Console, TecNiq E-10, LED	1

Line	Option	Type	Option Description	Qty
464	0741896	SP	Kickplate, Material FV, Bottom of Turntable Handrails, 100AAT Material - smooth aluminum painted black 101	1
465	0732762		Basket Heat Shields, 100AAT	1
466	0766953		Control Stations, 100AAT	1
467	0751348		Lights, Basket Interior, CLC-1049-20, 20" 100AAT	1
468	0771862		Stabilizers, 100AAT, Three Sets	1
469	0729051		Stabilizer Pan and Trim Material Stabilizer Panels - stainless steel, painted to match lower body color Stabilizer Trim - painted to match lower body color	1
470	0746173		Door, Stabilizer Control Box, Aerial MUX, 100AAT Latch, Door, Storage - Southco C2 Black Raised Hinge Location - Inboard Door, Material & Finish, Stabilizer - Smooth aluminum	1
471	0615058		Stabilizer Placement, Cameras w/Command Zone Color Display, 1 Set	1
472	0771218		Hydraulic System, 100AAT	1
473	0767932		Swivels, w/Encoder, 36, 100AAT	1
474	0767931		Electrical System, 100AAT	1
475	0750002	SP	Light, Tip, HiViz FT-MB-2.18-*-* 20.6" FT-MBKIT-PX, Frnt of Bskt 100AAT 1lt Color, Lt Housing HiViz - Job Color Scene Light Optics - combination Control, Tip Lts - Turntable and Tip	1
476	0752453		Lights, Tracking, WIn MPB* LED, 100AAT 2lts Color, WIn Lt Housing - Job Color Scene Lt Optics LH Base - L Wide Flood Scene Lt Optics RH Base - R Wide Flood	1
477	0740232		Basket Access, w/ Flip Down Step, Lift Bar Latch, Lit Handrails,100AAT Color, Handrail Light - Red Control, Handrail Light - Cab Handrail Controls Body Handrail Finish - black anodized lit Finish, Step Well - brushed stainless steel	1
478	0894586		Lights, Step (4), P25, Ladder Style Access Steps, Both Sides Control, Light - i) park brake Color, Trim - Chrome Housing	1
479	0749120		Lighting, Rung, LED, TecNiq, 5 Section, Base, Low, Cent, Upper, Fly, 100AAT Control, Aerial Rung Lighting - Aerial Master, DS Sw Panel and Turntable Sw w/Master Batt Sw Color, Lt Aerial Fly Sect - Blue Color, Lt Aerial Base Sect - Blue Color, Lt Aerial Lower Mid Sect - Blue Color, Lt Aerial Upper Mid Sect - Blue Color, Lt Aerial Mid Sect - Blue	1
480	0736971	SP	Light, Locator, WIn VTX609*, Flashing LED, at Tip, PAL/PAP, 2lts, Trim Feature Color, Light - DS Green/PS Red Color, Trim - Black Trim	1
481	0747261		Lights, Stabilizer Warn (2) Sets, WIn M6** LED, Trim Color Color, Lens, LED's - Clear Color, Trim - Black Trim Color, Lt Stabilzr Pan, LS Front - Red Color, Lt Stabilzr Pan, LS Rear - Red Color, Lt Stabilzr Pan, RS Front - Red Color, Lt Stabilzr Pan, RS Rear - Red	1
482	0068703		Lights, Grote Supernova LED, Stabilizer Beam, (1) Set	1
483	0762387		Lights, Stabilizer Scene, (3) sets, Amdor AY-LB-12HW012, 100AAT	1
484	0764091		DC Power To Tip, 12.88 Amp, 100AAT	1
485	0745627	SP	Light, HiViz, FT-MB-9-*-* , FT-MBKIT-LPX Mt 12 Volt Under Step, 100AAT, 1st Qty, - 02 Location, Sw, Arl AC Lts - M)2 Pos Color, Lt Housing HiViz - Black Scene Light Optics - combination Location, Lts Under 100'AAT Steps - Left Side Front Corner and Right Side Front Corner	2
486	0737181		Intercom, 2-Way Fire Research ICA910 Hands Free	1
487	0759274		Breathing Air to Tip, (1) 6000 PSI ASME, 100AAT Refill Hose - 100'	1

Line	Option	Type	Option Description	Qty
487			Breathing Air Fitting - Hansen	
			Breathing Air Mask Box - no mask box	
488	0024742		Not Required, Mask, Breathing Air To Tip	1
489	0767396		Aerial Pedestal, 100AAT	1
490	0766834		Lyfe Brackets, 3-In-1, Used w/Duo-Safety 875 Ladders ONLY, 100AAT	1
491	0544198		Control, Air Horn, Red, at Turntable	1
492	0767148		Turntable Access, ManSaver Bar, Red	1
493	0804860		Waterway, 100AAT	1
			Aerial Waterway Drain 100AAT - Standard Location, Right Side	
494	0730399		Valves, (2) TFT VUM (Valve Under Monitor), Manual	1
495	0683561		Monitors, (2), TFT Monsoon, Y4-EP1A-P Electric, (Use w/ VUM)	1
			Nozzle, Monitor 1, PAP - TFT M-ERP2000 Electric 2000 gpm	
			Nozzle, Monitor 2, PAP - TFT YST-4NN Tips	
496	0086971		Flowmeter, Waterway, MUX, PAP	1
497	0009364		Inlet, 5.00", S/S, w/ Pump, Right Side, 100AAT	1
498	0047901		Not Required, Tools, Aerial, PAL/PAP	1
499	0655391		Manuals and Training, 4 Consecutive Days, Platform, 100AAT	1
500	0007150		Bag of Nuts and Bolts	1
			Qty, Bag Nuts and Bolts - 1	
501	0602497		NFPA Required Loose Equipment, Quint, NFPA 2016, Provided by Fire Department	1
502	0519913		Not Required, Soft Suction Hose	1
503	0027023		No Strainer Required	1
504	0007067		Extinguisher, 10lb CO2	1
			Qty, Extinguishers - 1	
505	0533246		Extinguisher, 20 lb Dry Chemical	1
			Qty, Extinguishers - 1	
506	0533277		Extinguisher, 2.5 Gal. Pressurized Water	2
			Qty, Extinguishers - 2	
507	0007482		Not Required, Crowbars	1
508	0007484		Not Required, Claw Tools	1
509	0602883		Axe, Flathead, Quint NFPA 2016, Provided by Fire Department	1
510	0602670		Axe, Pickhead, Quint NFPA 2016, Provided by Fire Department	1
511	0007494		Not Required, Sledgehammers	1
512	0741569		Paint Process / Environmental Requirements, Appleton	1
513	0709846		Paint, Two-Tone Color, Velocity/Impel	1
			Paint Color, Upper Area, Predefined - #479 Charcoal Metallic	
			Shield, Cab - Special Shield	
			Paint Color, Lower Area, Predefined - #90 Red	
			Paint Break, Cab - Special	
514	0709845		Paint, Single Color, Body	1
			Paint, Body - Match Lower Cab	
515	0645807		Paint Chassis Frame Assy, With Liner, E-Coat, All Joints Sealed	1
			Paint Color, Frame Assembly, Predefined - Standard Black	
516	0693797		No Paint Required, Aluminum Front Wheels	1
517	0693795		Paint, Rear Wheels, Tandem Axle	1
			Paint, Wheels - Black #101	
518	0733739		Paint, Axle Hubs	1
			Paint, Axle Hub - Black #101	
519	0620095		Paint, Drip Rail, Cab	1
520	0581434		Transit Coating, Carwell, Corrosion Protection, Including Underside	1
521	0007234		Compartment, Unpainted, D/A Finished	1
522	0792638		Aerial Platform Paint	1
			Paint Color, Aerial Device - Charcoal Metallic 479	
			Paint Color, Turntable - charcoal metallic 479	
			Paint Color, Boom Support - gloss black primer	
			Paint Color, Cylinders - charcoal metallic 479	
			Paint Color, Aerial Torque Box - gloss black primer	
			Paint Color, Aerial Stabilizers - red 90	
			Paint Color, Aerial Basket - charcoal metallic 479	
			Paint Color, Aerial Rotation Motor - Black	
			Paint Color, Aerial Control Console - charcoal metallic 479	
523	0556647		Reflective Band, 1"- 1"- 6"- 1"- 1", (10")	1
			Color, Reflect Band - A - e) black	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
523			Color, Reflect Band - B - p) black Color, Reflect Band - C - za) black Color, Reflect Band - D - black Color, Reflect Band - E - black	
524	0510041		Reflective across Cab Face, Imp/Vel	1
525	0763907		Stripe, Chevron, Rear, Oralite, Aerial Color, Oralite Band - A - Yellow V98-18 Color, Oralite Band - B - Red V98-12	1
526	0763980		Stripe, Reflective, Oralite, Chevron Stripes, Two (2) Stabilizers Size, Stripe - a) 4.00" Color, Oralite Band - A - Yellow V98-18 Color, Oralite Band - B - Red V98-12	1
527	0776492	SP	Stripe, Reflective, Chevron, Arrow Pattern, Oralite	1
528	0679802		Stripe, Reflective, Cab Sides, IPO Chrome Molding	1
529	0027285		Stripe, Gold Leaf, Side of Cab, Low and Over Fender	1
530	0007280		Stripe, Gold Leaf, Corner, (Cab)	1
531	0027372		Lettering Specifications, (GOLD STAR Process)	1
532	0686426		Lettering, Gold Leaf, 3.00", (61-80) Outline, Lettering - Outline and Shade	1
533	0068292		Stripe, Gold Leaf, Side of Body, Low and Over Fender	1
534	0685992		Lettering, Reflective, 10.00", (1-20) Outline, Lettering - Outline and Shade	1
535	0685982		Lettering, Reflective, 12.00", (21-40) Outline, Lettering - Outline and Shade	1
536	0686005		Lettering, Reflective, 7.00", (21-40) Outline, Lettering - Outline and Shade	1
537	0686013		Lettering, Reflective, 6.00", Each Qty, Lettering - 10	10
538	0686196		Lettering, Gold Leaf, 11.00", (21-40) Outline, Lettering - Outline and Shade	1
539	0686021		Lettering, Reflective, 4.00", (141-160) Outline, Lettering - Outline and Shade	1
540	0685986		Lettering, Reflective, 11.00", (41-60) Outline, Lettering - Outline and Shade	1
541	0685985		Lettering, Reflective, 12.00", Each Qty, Lettering - 05	5
542	0686266		Lettering, Gold Leaf, 1.00", (61-80) Outline, Lettering - Outline and Shade	1
543	0612088	SP	Emblem, Reflective, Patch, 24", Each Qty, - 01	1
544	0000298		Location, Emblem - r1 door Emblem, Eagle Hose 3 w/Goldleaf circle, 13.00, Color Imaged, Pair	1
545	0755303		Location, Emblem - d2 and p2 Artwork File, Provided on Custom USB Drive	1
546	0654570		Emblem, Vinyl, Per Dept. Submittal, Each Qty, - 04	4
547	0695610		Location, Emblem - TBD BY CUSTOMER Size, Dept Seal, Vinyl - 28"-30" Emblem, Reflective, Per Dept. Submittal, Each Qty, - 04	4
548	0636438		Location, Emblem - crew cab door and 2 shipped loose Size, Dept Seal, Reflect - 14" - 16" E-Coat, Water Tank Cradle	1
549	0892190		Paint Color, E-Coat - Black E-Coat, Under Body/Chassis Component Package, w/T3 Configured	1
550	0002838		Paint Color, E-Coat - Black Undercoating, Cab & Body, Ziebart	1
551	0772003		Manual, Fire Apparatus Parts, USB Flash Drive, Custom Qty, - 01	1
552	0772037		Manual, Chassis Service, USB Flash Drive, Custom Qty, - 01	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
553	0773381		Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
554	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
555	0611136		Warranty, Chassis, 3 Year, Velocity/Impel, WA0284	1
556	0696698		Warranty, Engine, Cummins, 5 Year, WA0181	1
557	0684953		Warranty, Steering Gear, Sheppard M110, 3 Year WA0201	1
558	0595767		Warranty, Frame, 50 Year, Velocity/Impel, WA0038	1
559	0595698		Warranty, Axle, 3 Year, TAK-4, WA0050	1
560	0644874		Warranty, Axle, 3 Year, TAK-4, IRS, WA0249	1
561	0652758		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
562	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
563	0744240		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
564	0524627		Warranty, Electronics, 5 Year, MUX, WA0014	1
565	0647720		Warranty, Pierce LED Strip Lights, WA0203	1
566	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
567	0685945		Warranty, Transmission Cooler, WA0216	1
568	0688798		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
569	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
570	0693126		Warranty, AMDOR, Roll-up Door, 10 Year/5 Year Painted, WA0185	1
571	0734463		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
572	0648675		Warranty, 10 Year S/S Pumbing, WA0035	1
573	0641372		Warranty, Foam System, Not Available	1
574	0006999		Warranty, Structure, 20 Year, Aerial Device, WA0052	1
575	0687388		Warranty, Swivels, 5 Year, Aerial Device, WA0197	1
576	0685727		Warranty, Hydraulic System and Components, 3 Year/5 Year, WA0200	1
577	0687327		Warranty, Waterway, 10 Year, Aerial Device, WA0198	1
578	0595860		Warranty, Paint, 4 Year, Aerial Device, Pro-Rated, WA0047	1
579	0553455		Warranty, Electronics, 5 Year, MUX, WA0014	1
580	0595820		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
581	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
582	0683627		Certification, Vehicle Stability, CD0156	1
583	0736237		Certification, Engine Installation, Velocity, Cummins X12, 2021, CD0171	1
584	0686786		Certification, Power Steering, CD0098	1
585	0667417		Certification, Cab Integrity, Velocity FR, CD0009	1
586	0548950		Certification, Cab Door Durability, Velocity/Impel, CD0001	1
587	0548967		Certification, Windshield Wiper Durability, Impel/Velocity, CD0005	1
588	0667411		Certification, Electric Window Durability, Velocity/Impel FR, CD0004	1
589	0549273		Certification, Seat Belt Anchors and Mounting, Imp/Vel/Vel SLT, CD0018	1
590	0735950		Certification, Cab HVAC System Perf, Vel/Imp FR, CD0166/CD0168/CD0176/CD0177	1
591	0545073		Amp Draw Report, NFPA Current Edition	1
592	0002758		Amp Draw, NFPA/ULC Radio Allowance	1
593	0799248		Appleton/Florida BTO	1
594	0000053		Ascendant Tower	1
595	0000012		PIERCE CHASSIS	1
596	0004713		ENGINE, OTHER	1
597	0046396		EVS 4000 Series TRANSMISSION	1
598	0805943		WATEROUS PUMP S-100 AAT	1
599	0020009		POLY TANK	1
600	0028047		NO FOAM SYSTEM	1
601	0020006		SIDE CONTROL	1
602	0020007		AKRON VALVES	1
603	0020015		ABS SYSTEM	1
604	0755454		AERIAL MEDIUM	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Proposal for Jersey Village

Prepared by Siddons-Martin Emergency Group, Will Topf

09/02/2022



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

PERFORM. LIKE NO OTHER.™

CONTENTS

GENERAL DESIGN AND CONSTRUCTION.....21

QUALITY AND WORKMANSHIP.....21

DELIVERY22

MANUAL AND SERVICE INFORMATION.....22

SAFETY VIDEO22

PERFORMANCE TESTS.....22

SERVICE AND WARRANTY SUPPORT22

LIABILITY23

INSURANCE PROVIDED BY BIDDER.....23

COMMERCIAL GENERAL LIABILITY INSURANCE23

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE24

UMBRELLA/EXCESS LIABILITY INSURANCE.....24

INSURANCE PROVIDED BY MANUFACTURER24

PRODUCT LIABILITY INSURANCE24

UMBRELLA/EXCESS LIABILITY INSURANCE.....25

SINGLE SOURCE MANUFACTURER.....25

NFPA 2016 STANDARDS.....25

NFPA COMPLIANCY26

INSPECTION CERTIFICATE.....26

PUMP TEST.....26

GENERATOR TEST27

BREATHING AIR TEST27

VEHICLE INSPECTION PROGRAM CERTIFICATION.....27

APPARATUS MANUFACTURER27

PRODUCT CHANGES AND IMPROVEMENTS.....27

PRODUCT CHANGES AND IMPROVEMENTS.....27

AFTERMARKET SUPPORT WEBSITE27

BID BOND NOT REQUESTED.....29

PERFORMANCE BOND NOT REQUESTED.....29

APPROVAL DRAWING.....29

COMPARTMENT LAYOUT DRAWING30

ELECTRICAL WIRING DIAGRAMS.....30

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

VELOCITY CHASSIS.....30

WHEELBASE30

GVW RATING30

FRAME.....30

FRAME REINFORCEMENT30

FRONT NON DRIVE AXLE.....30

FRONT SUSPENSION31

FRONT SHOCK ABSORBERS.....32

FRONT OIL SEALS.....32

FRONT TIRES32

REAR AXLE32

REAR AXLE STEERING.....32

TOP SPEED OF VEHICLE32

REAR SUSPENSION.....32

REAR OIL SEALS.....33

REAR TIRES.....33

TIRE BALANCE33

TIRE PRESSURE MANAGEMENT.....33

FRONT HUB COVERS33

CHROME LUG NUT COVERS34

MUD FLAPS.....34

WHEEL CHOCKS34

 Wheel Chock Brackets34

ANTI-LOCK BRAKE SYSTEM34

AUTOMATIC TRACTION CONTROL34

BRAKES.....34

BRAKE SYSTEM AIR COMPRESSOR35

BRAKE SYSTEM35

BRAKE SYSTEM AIR DRYER.....35

BRAKE LINES.....35

AIR INLET/OUTLET35

RECESSED BOX FOR AIR FITTING35

ALL WHEEL LOCK-UP.....36

ADDITIONAL AIR TANK FOR AIR HORN36

U-BOLT GUARD OVER PARKING BRAKE KNOB36

REMOTE AIR TANK DRAINS.....36

COMPRESSION FITTINGS.....36

ENGINE36

REMOTE MOUNTED ENGINE FILTERS37

HIGH IDLE37

ENGINE BRAKE37

CLUTCH FAN.....37

HEATER SHUTOFF.....37

ENGINE AIR INTAKE.....38

EXHAUST SYSTEM.....38

EXHAUST MODIFICATION38

RADIATOR.....38

COOLANT LINES.....39

FUEL TANK.....39

DIESEL EXHAUST FLUID TANK.....39

FUEL PRIMING PUMP39

FUEL SHUTOFF40

FUEL COOLER.....40

FUEL TANK VENT40

FUEL FILL DRAIN.....40

LABEL, FUEL DOOR40

DEF DOOR LABEL40

FUEL SEPARATOR.....40

TRANSMISSION.....40

TRANSMISSION SHIFTER.....40

TRANSMISSION COOLER.....41

TRANSMISSION PROGRAM41

DRIVELINE41

STEERING41

STEERING WHEEL41

BUMPER.....41

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Gravel Pan.....41

LIFT AND TOW MOUNTS42

TOW EYES42

LICENSE PLATE (Mounting Holes)42

FRONT BUMPER UL-LX COATING42

CAB42

INTERIOR CAB INSULATION43

FENDER LINERS.....43

PANORAMIC WINDSHIELD43

WINDSHIELD WIPERS.....44

FAST SERVICE ACCESS FRONT TILT HOOD44

ENGINE TUNNEL44

CAB REAR WALL EXTERIOR COVERING.....44

CAB LIFT44

 Cab Lift Interlock.....45

GRILLE45

DOOR JAMB SCUFFPLATES45

SCUFFPLATES, REAR CAB CORNER GUARDS45

FRONT CAB TRIM.....45

MIRRORS46

FRONT CROSS VIEW MIRROR46

CAB DOORS.....46

 Door Panels.....47

RECESSED POCKET WITH ELASTIC COVER.....47

ELECTRIC WINDOW CONTROLS.....47

ELECTRIC CAB DOOR LOCKS47

KEY PAD FOR ELECTRIC DOOR LOCKS48

KEY PAD CODE48

CAB STEPS48

CAB EXTERIOR HANDRAILS48

STIRRUP STEPS.....48

STEP LIGHTS.....48

FENDER CROWNS49

GRAB HANDLE(S).....49

INTERIOR CREW CAB DOOR HANDRAIL.....49

LEFT SIDE ROLLUP CREW CAB DOOR WINDOW TINT49

RIGHT SIDE ROLLUP CREW CAB DOOR WINDOW TINT49

WINDOW COATINGS.....49

STORAGE COMPARTMENT.....49

 Compartment Light50

WEATHER STRIP50

WEBSITE TAG.....50

HOOD MODIFICATION50

INSULATION WITH EXPANDED METAL.....50

INSULATION PACKAGE50

COVER50

CAB ROOF DRIP RAIL.....50

SCREW INSERTS ON CAB DOORS50

MOUNTING PLATE ON ENGINE TUNNEL.....51

CAB INTERIOR.....51

CAB INTERIOR UPHOLSTERY51

CAB INTERIOR PAINT51

CAB FLOOR.....52

DEFROST/AIR CONDITIONING SYSTEM.....52

 Cab Defroster52

 Cab/Crew Auxiliary Heater52

 Air Conditioning52

 Climate Control.....53

 Gravity Drain Tubes.....54

COVER, AIR CONDITIONING LINES AND CONNECTIONS54

DRAIN LINE ROUTING.....54

TRACER DYE54

BRUSH GUARD.....54

HEATING AND AIR CONDITIONING54

INTERIOR CAB INSULATION54

SUN VISORS54

GRAB HANDLE55

ENGINE COMPARTMENT LIGHTS55

ACCESS TO ENGINE DIPSTICKS55

CAB SAFETY SYSTEM55

 Frontal Impact Protection.....56

 Side Roll Protection56

SEATING CAPACITY56

DRIVER SEAT56

OFFICER SEAT57

REAR FACING LEFT SIDE CABINET57

 Cabinet Light58

REAR FACING RIGHT SIDE CABINET58

 Cabinet Light58

FORWARD FACING DRIVER SIDE OUTBOARD SEAT59

FORWARD FACING CENTER SEAT59

FORWARD FACING PASSENGER SIDE OUTBOARD SEAT60

SEAT UPHOLSTERY60

AIR BOTTLE HOLDERS60

SEAT EMBROIDERY60

SEAT BELTS60

SHOULDER HARNESS HEIGHT ADJUSTMENT61

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT61

CAB DOME LIGHTS61

ADDITIONAL DOME LIGHTING61

ENHANCED SOFTWARE FOR CAB AND CREW CAB DOME LIGHTS62

PORTABLE HAND LIGHTS, PROVIDED BY FIRE DEPARTMENT62

CAB INSTRUMENTATION62

 Gauges62

 Indicator Lamps63

 Alarms64

 Indicator Lamp and Alarm Prove-Out64

 Control Switches64

 Custom Switch Panels65

Diagnostic Panel.....66

Cab LCD Display66

AIR RESTRICTION INDICATOR66

"DO NOT MOVE APPARATUS" INDICATOR.....66

DO NOT MOVE TRUCK MESSAGES67

SWITCH PANELS.....68

WIPER CONTROL.....68

HOURMETER - AERIAL DEVICE.....68

AERIAL MASTER.....68

AERIAL PTO SWITCH68

SPARE CIRCUIT.....69

SPARE CIRCUIT.....69

SPARE CIRCUIT.....69

SPARE CIRCUIT.....70

SPARE CIRCUIT.....70

DASH PANEL RECESS.....70

RADIO, AM/FM/WB/USB/BT.....70

SWITCH, MASTER, AM/FM RADIO71

INFORMATION CENTER71

 General Screen Design71

 Home/Transit Screen.....72

 On Scene Screen72

 Virtual Buttons72

 Page Screen.....72

COLLISION MITIGATION74

VEHICLE DATA RECORDER.....75

 Seat Belt Monitoring System75

INTERCOM SYSTEM76

RADIO / INTERCOM INTERFACE INCLUDED.....76

OVER THE HEAD HEADSET76

HEADSET HANGERS.....76

BRACKET, JOHNNY RAY76

RADIO ANTENNA MOUNT.....76

VEHICLE VIDEO SYSTEM 77

VEHICLE CAMERA GUARDS 77

REAR CAMERA LOCATION..... 77

VEHICLE CAMERA GUARD..... 77

ELECTRICAL POWER CONTROL SYSTEM 77

 Solid-State Control System..... 78

 Circuit Protection and Control Diagram 79

 On-Board Electrical System Diagnostics 79

 TCU Module with WiFi 79

 Indicator Light and Alarm Prove-Out System 79

 Voltage Monitor System..... 79

 Dedicated Radio Equipment Connection Points..... 80

 EMI/RFI Protection 80

ELECTRICAL SYSTEM PROGNOSTICS..... 80

ELECTRICAL 81

BATTERY SYSTEM 81

BATTERY SYSTEM 82

MASTER BATTERY SWITCH..... 82

BATTERY COMPARTMENTS 82

JUMPER STUDS 82

POWER CONVERTER / BATTERY CHARGER..... 82

KUSSMAUL AUTO EJECT FOR SHORELINE 82

BATTERY ON INDICATOR..... 83

INDICATOR, BATTERY STATUS..... 83

BATTERY CHARGE INDICATOR..... 83

ALTERNATOR 83

GUARD 83

ELECTRICAL REQUIREMENTS 83

ELECTRONIC LOAD MANAGER 83

SEQUENCER 84

HEADLIGHTS 85

DIRECTIONAL LIGHTS 85

ADDITIONAL DIRECTIONAL LIGHT 85

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

INTERMEDIATE LIGHT85

CAB CLEARANCE/MARKER/ID LIGHTS85

REAR CLEARANCE/MARKER/ID LIGHTING85

MARKER LIGHTS86

REAR FMVSS LIGHTING86

LICENSE PLATE BRACKET.....87

LIGHTING BEZEL87

BACK-UP ALARM87

CAB PERIMETER SCENE LIGHTS.....87

PUMP HOUSE PERIMETER LIGHTS87

BODY PERIMETER SCENE LIGHTS88

ADDITIONAL PERIMETER LIGHTS88

ENHANCED SOFTWARE FOR PERIMETER LIGHTS88

STEP ILLUMINATION.....88

12 VOLT LIGHTING88

12 VOLT LIGHTING89

12 VOLT LIGHTING89

12 VOLT LIGHTING89

12 VOLT LIGHTING90

12 VOLT LIGHTING90

HOSE BED LIGHTS.....90

WALKING SURFACE LIGHT91

RADIO CUT OUT SWITCH.....91

RADIO CUT OUT SWITCH.....91

WATER TANK.....91

HOSE BED.....92

AERIAL HOSE BED HOSE RESTRAINT92

RUNNING BOARDS93

TURNTABLE STEPS93

STEP LIGHTS.....93

SMOOTH ALUMINUM REAR WALL.....93

TOW EYES94

COMPARTMENTATION94

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

UNDERBODY SUPPORT SYSTEM94

AGGRESSIVE WALKING SURFACE94

LOUVERS94

TESTING OF BODY DESIGN.....95

LEFT SIDE COMPARTMENTATION95

RIGHT SIDE COMPARTMENTATION.....95

SIDE COMPARTMENT ROLL-UP DOOR(S).....96

REAR BUMPER97

DOOR FRAME SCUFFPLATE.....97

ROLL-UP DOOR TRIM97

ROLL-UP DOOR TRIM97

COMPARTMENT LIGHTING97

CARGO/DUNNAGE AREA LIGHTING97

MOUNTING TRACKS97

ADJUSTABLE SHELVES.....98

SLIDE-OUT ADJUSTABLE HEIGHT TRAY98

SLIDE-OUT ADJUSTABLE HEIGHT TRAY98

SLIDE-OUT FLOOR MOUNTED TRAY99

TOOL BOARD.....99

HORIZONTAL PARTITION.....99

VERTICAL COMPARTMENT PARTITION99

MOUNTING, TRAFFIC CONES.....99

TURNTABLE STEP ACCESS PANEL99

PEGBOARD100

PEGBOARD100

PEGBOARD100

AIR BAG STORAGE100

RUB RAIL.....100

BODY FENDER CROWNS100

HARD SUCTION HOSE101

HANDRAILS.....101

THREE AIR BOTTLE/EXTINGUISHER STORAGE COMPARTMENT101

COMPARTMENT STRAP101

STORAGE COMPARTMENT..... 101

COMPARTMENT STRAP 102

AIR BOTTLE STORAGE 102

AIR BOTTLE STORAGE (Single) 102

AIR BOTTLE STORAGE (Single) 102

AIR BOTTLE COMPARTMENT STRAP 102

AIR BOTTLE COMPARTMENT DOOR RESTRAINT 102

EXTENSION LADDER 103

AERIAL EXTENSION LADDERS..... 103

ROOF LADDER 103

ADDED ROOF LADDER..... 103

AERIAL FOLDING LADDER..... 103

GROUND LADDER STORAGE 103

 Compartment Storage 103

LADDER STORAGE LIGHTING 104

DURA-SURF LADDER SLIDES..... 104

NESTED LADDER STORAGE..... 104

NESTED LADDER STORAGE..... 104

12' PIKE POLES 104

8' PIKE POLE 104

6 FT PIKE POLE 104

PIKE POLE PROVIDED BY FIRE DEPARTMENT 104

ADDITIONAL PIKE POLE 104

PIKE POLE STORAGE IN TORQUE BOX/LADDER STORAGE 104

FILTER LABEL..... 105

INDICATOR LAMP LABEL..... 105

PUMP COMPARTMENT 105

PUMP MOUNTING 105

LEFT SIDE PUMP CONTROL PANELS 105

IDENTIFICATION TAGS 106

MIDSHIP FIRE PUMP 106

MECHANICAL SEAL ON PUMP..... 106

PUMP TRANSMISSION..... 107

PUMPING MODE..... 107

AIR PUMP SHIFT..... 107

TRANSMISSION LOCK-UP 107

AUXILIARY COOLING SYSTEM 107

INTAKE RELIEF VALVE 107

PRESSURE CONTROLLER..... 108

PRIMING PUMP..... 108

THERMAL RELIEF VALVE 108

THERMAL RELIEF VALVE 108

PUMP MANUALS..... 109

PLUMBING, STAINLESS STEEL AND HOSE..... 109

MAIN PUMP INLETS 109

SHORT SUCTION TUBE(S) 109

INLET VALVES WITH INTAKE RELIEF VALVE..... 109

VALVES 110

INLET CONTROL..... 110

LEFT SIDE INLET 110

RIGHT SIDE INLET..... 110

ADAPTER, INLET 110

ANODE, INLET 110

INLET BLEEDER VALVE..... 110

TANK TO PUMP 111

TANK REFILL..... 111

DISCHARGE OUTLET CONTROLS..... 111

LEFT SIDE DISCHARGE OUTLETS 111

LEFT SIDE OUTLET ELBOWS..... 111

RIGHT SIDE DISCHARGE OUTLETS..... 111

RIGHT SIDE OUTLET ELBOWS 111

LARGE DIAMETER DISCHARGE OUTLET 112

LARGE DIAMETER OUTLET ELBOWS 112

DISCHARGE CAPS/ INLET PLUGS..... 112

OUTLET BLEEDER VALVE..... 112

AERIAL OUTLET 112

CROSSLAY HOSE BEDS..... 113

2.50" CROSSLAY HOSE BED 113

CROSSLAY HOSE RESTRAINT 113

REAR SHEET CROSSLAY 113

FOAM SYSTEM 114

PUMP OPERATOR'S PANEL DRAWING 114

REMAINING PUMP PANEL(S) 114

COLOR CODED TAGS..... 114

SPECIAL TEXT/VERBIAGE TAGS..... 114

PUMP PANEL CONFIGURATION 115

PUMP OPERATOR'S PLATFORM 115

PUMP OPERATOR'S PLATFORM PERIMETER LIGHT..... 115

PUMP AND GAUGE PANEL..... 115

PUMP ACCESS 115

 Right Side Panel 115

 Panel Fastener 115

PUMP COMPARTMENT LIGHT 115

THROTTLE READY GREEN INDICATOR LIGHT 116

OK TO PUMP INDICATOR LIGHT 116

AIR HORN SWITCH..... 116

VACUUM AND PRESSURE GAUGES 116

PRESSURE GAUGES 116

WATER LEVEL GAUGE 117

WATER LEVEL GAUGE 117

PUMP PANEL ILLUMINATION..... 117

AIR HORN SYSTEM..... 118

 Air Horn Location 118

 Air Horn Control..... 118

ELECTRONIC SIREN 118

ELECTRONIC SIREN CONTROL..... 118

SPEAKERS 119

AUXILIARY MECHANICAL SIREN 119

MECHANICAL SIREN CONTROL 119

INTERLOCK, ELECTRONIC SIREN..... 119

MECHANICAL SIREN INTERLOCK 119

INTERFACE PANEL, LIGHTING SYSTEM 119

INTERFACE PANEL, LIGHTING SYSTEM 120

INTERFACE PANEL, LIGHTING SYSTEM 120

FRONT ZONE UPPER WARNING LIGHTS 120

CAB FACE WARNING LIGHTS 121

DAYTIME RUNNING LIGHTS (HEADLIGHTS) 121

FRONT WARNING LIGHT 121

HEADLIGHT FLASHER 121

SIDE ZONE LOWER LIGHTING 122

INTERIOR CAB DOOR WARNING LIGHTS..... 122

ELECTRICAL CONNECTORS FOR WARNING LIGHTS..... 122

INTERIOR COMPARTMENT DOOR WARNING LIGHTS..... 122

ADDITIONAL SIDE UPPER LIGHTS 123

SIDE WARNING LIGHTS..... 123

REAR ZONE LOWER LIGHTING 123

REAR WARNING LIGHTS 124

REAR WARNING LIGHTS 124

REAR/SIDE ZONE UPPER WARNING LIGHTS 124

REAR BODY MOUNTING BRACKET..... 124

120 VOLT RECEPTACLE 124

120 VOLT RECEPTACLE 125

120 VOLT RECEPTACLE 125

AERIAL GENERAL INFORMATION 125

 Operation on Grades 125

 Construction Standards 125

 Ladder Construction 126

 Vertical Height 127

 Horizontal Reach 127

 Mounting of Elevating Platform..... 127

 Torque Box 127

 Turntable 127

Elevation System 127

Extension/Retraction System..... 128

Rotation System 128

Manual Override Controls..... 129

Ladder Slide Mechanism 129

Basket Leveling System 129

Rotation Interlock..... 129

Load Capacities 129

35 MPH Wind Conditions/Dry 129

Water Tower Operation 130

35 MPH Wind Conditions/Water Charged 130

Elevation -15 to 77 Degrees 130

Ladder Cradle Interlock System 130

AERIAL BOOM PANELS WITH LIGHTING 130

AERIAL DEVICE RUNG COVERS 131

LADDER STORAGE MOUNTING BRACKETS 131

STABILITY TEST 131

BASKET BRACKETS STORAGE BOX..... 131

SAW STORAGE BOX..... 131

STOKES STORAGE BRACKETS..... 131

BASKET STRUCTURE..... 132

BASKET SIDES 132

PLATFORM ENTRANCES/EXITS 132

ACCESSORY MOUNTING RECEPTACLES..... 132

BASKET DOOR SCUFFPLATES..... 132

MULTIPLEX DISPLAY COVER 133

HOSE BOX AT PLATFORM 133

LIGHTS FOR TURNTABLE WALKWAY 133

TURNTABLE KICKPLATE 133

BASKET HEAT SHIELDS 133

INFORMATION CENTER 133

 Operation..... 134

 General Screen Design 134

Page Screens 134

Menu Screens 136

LOWER CONTROL STATION 137

AERIAL DEVICE CONTROL STATIONS 137

TURNTABLE CONTROL STATION 137

BASKET CONTROL STATION 137

HIGH IDLE 138

INTERIOR BASKET ILLUMINATION 138

STABILIZERS 138

STABILIZER PADS 139

STABILIZER CONTROLS 139

CRADLE INTERLOCK SYSTEM 140

STABILIZER PAN AND TRIM MATERIAL 140

STABILIZER CONTROL BOX DOOR 140

STABILIZER PLACEMENT 140

HYDRAULIC SYSTEM 140

HYDRAULIC CYLINDERS 141

POWER TAKEOFF/HYDRAULIC PUMP 142

EMERGENCY PUMP 142

AERIAL CONTROL VALVE 142

OIL RESERVOIR 142

RETURN FILTER 143

HYDRAULIC SWIVEL 143

ELECTRIC SWIVEL 143

WATER SWIVEL 143

13-BIT ABSOLUTE ENCODER 143

ELECTRICAL SYSTEM 143

TIP LIGHT 144

TRACKING LIGHTS 145

BASKET ACCESS 145

STEP LIGHTS 145

AERIAL LOCATOR LIGHT 145

LIGHTING ON AERIAL DEVICE 146

STABILIZER WARNING LIGHTS 146

STABILIZER BEAM WARNING LIGHTS 146

STABILIZER SCENE LIGHTS 146

DC POWER CABLE TO TIP 147

UNDER PLATFORM LIGHTING 147

2-WAY AERIAL COMMUNICATION SYSTEM 147

BREATHING AIR 147

BREATHING AIR LEVEL AND WARNING SYSTEM 147

AERIAL PEDESTAL..... 148

LyfeCombo™ BRACKETS 148

AIR HORN CONTROL AT AERIAL TURNTABLE 148

AERIAL TURNTABLE MANSAYER™ BAR 148

AERIAL WATERWAY 148

WATERWAY SEALS..... 149

PLATFORM WATER SYSTEM 149

VALVE UNDER MONITOR..... 149

AERIAL MONITOR..... 149

WATERWAY FLOWMETER 149

WATERWAY INLET 150

MANUALS 150

INITIAL INSTRUCTION..... 150

LOOSE EQUIPMENT..... 150

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT 150

SOFT SUCTION HOSE 151

DRY CHEMICAL EXTINGUISHER 151

WATER EXTINGUISHER 151

FLATHEAD AXE PROVIDED BY FIRE DEPARTMENT 151

PICKHEAD AXE PROVIDED BY FIRE DEPARTMENT 152

PAINT PROCESS 152

 Environmental Impact..... 153

CAB TWO-TONE PAINT..... 153

BODY PAINT..... 153

PAINT/SEAL CHASSIS FRAME ASSEMBLY 153

PAINT, REAR WHEELS..... 155

AXLE HUB PAINT 155

PAINTED RAIN DRIP..... 155

TRANSIT COATING..... 155

COMPARTMENT INTERIOR FINISH 155

AERIAL DEVICE PAINT COLOR..... 155

REFLECTIVE STRIPES..... 156

REAR CHEVRON STRIPING 157

REFLECTIVE STRIPE ON STABILIZERS..... 157

CHEVRON, INVERTED "V" STRIPING ON CAB AND CREW CAB DOORS 157

CAB STRIPE 157

CAB STRIPE 157

CAB FACE STRIPE 157

LETTERING 157

LETTERING 157

BODY STRIPE 157

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

LETTERING 158

EMBLEM 158

EAGLE HOSE NUMBER 3 EMBLEM 158

ARTWORK ON CUSTOM USB DRIVE..... 158

EMBLEM 159

EMBLEM 159

E-COATING OF STEEL COMPONENTS 159

E-COATING OF WATER TANK CRADLE 159

UNDERCOATING, CAB & BODY 159

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

FIRE APPARATUS PARTS MANUAL 160

 Service Parts Internet Site 160

CHASSIS SERVICE MANUALS 160

CHASSIS OPERATION MANUAL 161

ONE (1) YEAR MATERIAL AND WORKMANSHIP 161

THREE (3) YEAR MATERIAL AND WORKMANSHIP..... 161

ENGINE WARRANTY 161

STEERING GEAR WARRANTY 161

FIFTY (50) YEAR STRUCTURAL INTEGRITY 161

FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY..... 161

REAR AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY 161

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY 161

TEN (10) YEAR STRUCTURAL INTEGRITY..... 162

TEN (10) YEAR PRO-RATED PAINT AND CORROSION 162

FIVE (5) YEAR MATERIAL AND WORKMANSHIP 162

COMPARTMENT LIGHT WARRANTY 162

TRANSMISSION WARRANTY 162

TRANSMISSION COOLER WARRANTY 162

WATER TANK WARRANTY 162

TEN (10) YEAR STRUCTURAL INTEGRITY..... 162

ROLL UP DOOR MATERIAL AND WORKMANSHIP WARRANTY 162

PUMP WARRANTY 162

TEN (10) YEAR PUMP PLUMBING WARRANTY 162

TWENTY (20) YEAR AERIAL DEVICE STRUCTURAL INTEGRITY WARRANTY 163

AERIAL SWIVEL WARRANTY 163

HYDRAULIC SYSTEM COMPONENTS WARRANTY 163

HYDRAULIC SEAL WARRANTY 163

AERIAL WATERWAY WARRANTY 163

FOUR (4) YEAR PRO-RATED PAINT AND CORROSION 163

FIVE (5) YEAR MATERIAL AND WORKMANSHIP 163

TEN (10) YEAR PRO-RATED PAINT AND CORROSION 163

THREE (3) YEAR MATERIAL AND WORKMANSHIP 163

VEHICLE STABILITY CERTIFICATION 163

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

ENGINE INSTALLATION CERTIFICATION 163

POWER STEERING CERTIFICATION..... 163

CAB INTEGRITY CERTIFICATION 164

 Roof Crush 164

 Additional Roof Crush..... 164

 Side Impact..... 164

 Frontal Impact..... 164

 Additional Frontal Impact..... 164

CAB DOOR DURABILITY CERTIFICATION 164

WINDSHIELD WIPER DURABILITY CERTIFICATION 164

ELECTRIC WINDOW DURABILITY CERTIFICATION 165

SEAT BELT ANCHOR STRENGTH..... 165

SEAT MOUNTING STRENGTH..... 165

PERFORMANCE CERTIFICATIONS 165

 Cab Air Conditioning..... 165

 Cab Defroster 165

 Cab Auxiliary Heater..... 165

AMP DRAW REPORT..... 165

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Siddons-Martin Emergency Group is pleased to submit a proposal to Jersey Village Fire Department for a **Pierce® 100' Heavy Duty Aerial Tower** per your request for quotation. The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. This proposal will indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments advertised specifications.

PIERCE MANUFACTURING was founded in 1913. Since then we have been building bodies with one philosophy, "BUILD THE FINEST". Our skilled craftsmen take pride in their work which is reflected in the final product. We have been building fire apparatus since the early "forties" giving Pierce Manufacturing over 75 years of experience in the fire apparatus market. Pierce Manufacturing has built and put into service more than 62,500 apparatus, including more than 33,900 on Pierce custom chassis designed and built specifically for fire and emergency applications. Our Appleton, Wisconsin facility has over 870,000 total square feet of floor space situated on approximately 105 acres of land. Our Bradenton, Florida facility has 300,000 square feet of floor space situated on approximately 38 acres of land.

Our beliefs in high ethical standards are carried through in all of our commitments and to everyone with whom we do business. Honesty, Integrity, Accountability and Citizenship are global tenets by which we all live and work. Consequently, we neither engage in, nor have we ever been convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

Pierce has only one brand of fire apparatus "Pierce", ensuring you are receiving top of the line product that meets your specification.

In accordance with the current edition of NFPA 1901 standards, this proposal will specify whether the fire department, manufacturer, or apparatus dealership will provide required loose equipment.

Images and illustrative material in this proposal are as accurate as known at the time of publication, but are subject to change without notice. Images and illustrative material is for reference only, and may include optional equipment and accessories and may not include all standard equipment.

GENERAL DESIGN AND CONSTRUCTION

To control quality, ensure compatibility, and provide a single source for service and warranty, the custom cab, chassis, pump module and body will be entirely designed, assembled/welded and painted in Pierce owned manufacturing facilities. This includes, but not limited to the cab weldment, the pumphouse module assembly, the chassis assembly, the body and the electrical system.

QUALITY AND WORKMANSHIP

Pierce has set the pace for quality and workmanship in the fire apparatus field. Our tradition of building the highest quality units with craftsmen second to none has been the rule right from the beginning and we demonstrate that ongoing commitment by: Ensuring all steel welding follows American Welding Society D1.1-2004 recommendations for structural steel welding. All aluminum welding follows American Welding society and ANSI D1.2-2003 requirements for structural welding of aluminum. All sheet metal welding follows American welding Society B2.1-2000 requirements for structural welding of sheet metal. Our flux core arc welding uses alloy rods, type 7000 and is performed to American Welding Society standards A5.20-E70T1. Furthermore, all employees classified as welders are tested

and certified to meet the American welding Society codes upon hire and every three (3) years thereafter. Pierce also employs an American Welding Society certified welding inspector in plant during working hours to monitor weld quality.

Pierce Manufacturing operates a Quality Management System under the requirements of ISO 9001. These standards sponsored by the International Organization for Standardization (ISO) specify the quality systems that are established by the manufacturer for design, manufacture, installation and service. A copy of the certificate of compliance is included with this proposal.

In addition to the Quality Management system, we also employ a Quality Achievement Supplier program to insure the vendors and suppliers that we utilize meet the high standards we demand. That is just part of our overall "Quality at the Source" program at Pierce.

To demonstrate the quality of our products and services, a list of at least five (5) fire departments/municipalities that have purchased vehicles for a second time is provided.

DELIVERY

The apparatus will be delivered under its own power to insure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered.

MANUAL AND SERVICE INFORMATION

At time of delivery, complete operation and maintenance manuals covering the apparatus will be provided. A permanent plate will be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one (1) 39-minute, professionally produced apparatus safety video, in DVD format. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, and safety during maintenance.

PERFORMANCE TESTS

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded will not have less than 25 percent nor more than 50 percent on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle. The apparatus will meet NFPA 1901 acceleration and braking requirements.

SERVICE AND WARRANTY SUPPORT

Pierce dealership support will be provided by Siddons-Martin Emergency Group by operating a Pierce authorized service center. The service center will have factory-trained mechanics on staff versed in Pierce fire apparatus. The service facility will be located within twenty five (25) miles of the fire department.

In addition to the dealership, Pierce has service facilities located in both, Weyauwega, Wisconsin and Bradenton, Florida. Pierce also maintains a dedicated parts facility of over 100,000 square feet in Appleton, Wisconsin. The parts facility stocks in excess of \$5,000,000 in parts dedicated to service and replacement parts. The parts facility employs a staff dedicated solely for the distribution and shipment of service and replacement parts.

Service parts for the apparatus being proposed can be found via Pierceparts.com which, is an interactive online tool that delivers information regarding your specific apparatus as well as the opportunity to register for training classes.

As a Pierce customer you have the ability to view the complete bill of materials for your specific apparatus, including assembly drawings, piece part drawings, and beneficial parts notations. You will also have the ability to search the complete Pierce item master through a parts search function which offers all Pierce SKU's and descriptions offered on all Pierce apparatus. Published component catalogs, which include proprietary systems along with an extensive operators manual library is available for easy reference.

Pierce Manufacturing maintains a dedicated service and warranty staff of over 35 personnel, dedicated to customer support, which also maintains a 24 hour 7 day a week toll free hot line, four (4) on staff EVTs, and offers hands-on repair and maintenance training classes multiple times a year.

LIABILITY

The successful bidder will defend any and all suits and assume all liability for the use of any patented process including any device or article forming a part of the apparatus or any appliance furnished under the contract.

INSURANCE PROVIDED BY BIDDER

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Personal and Advertising Injury\$1,000,000

General Aggregate\$2,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form and will include Contractual Liability coverage for bodily injury and property damage subject to the terms and conditions of the policy. The policy will include Owner as an additional insured when required by written contract.

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

The successful bidder will, during the performance of the contract, keep in force at least the following minimum limits of commercial automobile liability insurance and coverage will be written on a Commercial Automobile liability form:

Each Accident Combined Single Limit:\$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate:\$3,000,000

Each Occurrence:\$3,000,000

The umbrella policy will be written on an occurrence basis and at a minimum provide excess to the bidder's General Liability and Automobile Liability policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Bidder agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as certificate holder.

INSURANCE PROVIDED BY MANUFACTURER

PRODUCT LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of Product Liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form. The manufacturer's policy will include the owner as additional insured when required by written contract between the Owner and a Pierce authorized dealer.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

UMBRELLA/EXCESS LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Each Occurrence:\$25,000,000

Aggregate:\$25,000,000

The umbrella policy will be written on an occurrence basis and provide excess to the manufacturer's General Liability/Products policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Manufacturer agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as the certificate holder.

SINGLE SOURCE MANUFACTURER

Pierce Manufacturing, Inc. provides an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From our facilities, the chassis, cab weldment, cab, pump house (including the sheet metal enclosure, valve controls, piping and operators panel) body and aerial device will be entirely designed, tested, and hand assembled to the customer's exact specifications. The electrical system either hardwired or multiplexed, will be both designed and integrated by Pierce Manufacturing. The warranties relative to these major components (excluding component warranties such as engine, transmission, axles, pump, etc.) will be provided by Pierce as a single source manufacturer. Pierce's single source solution adds value by providing a fully engineered product that offers durability, reliability, maintainability, performance, and a high level of quality.

Your apparatus will be manufactured in Appleton, Wisconsin.

NFPA 2016 STANDARDS

This unit will comply with the NFPA standards effective January 1, 2016, except for fire department directed exceptions. These exceptions will be set forth in the Statement of Exceptions.

Certification of slip resistance of all stepping, standing and walking surfaces will be supplied with delivery of the apparatus.

All horizontal surfaces designated as a standing or walking surface that are greater than 48.00" above the ground must be defined by a 1.00" wide line along its outside perimeter. Perimeter markings and

designated access paths to destination points will be identified on the customer approval print and are shown as approximate. Actual location(s) will be determined based on materials used and actual conditions at final build. Access paths may pass through hose storage areas and opening or removal of covers or restraints may be required. Access paths may require the operation of devices and equipment such as the aerial device or ladder rack.

A plate that is highly visible to the driver while seated will be provided. This plate will show the overall height, length, and gross vehicle weight rating.

The manufacturer will have programs in place for training, proficiency testing and performance for any staff involved with certifications.

An official of the company will designate, in writing, who is qualified to witness and certify test results.

NFPA COMPLIANCY

Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".

INSPECTION CERTIFICATE

A third party inspection certificate for the aerial device will be furnished upon delivery of the aerial device. The certificate will be Underwriters Laboratories Inc. Type 1 and will indicate that the aerial device has been inspected on the production line and after final assembly.

Visual structural inspections will be performed on all welds on both aluminum and steel ladders.

On critical weld areas, or on any suspected defective area, the following tests will be conducted:

- Magnetic particle inspection will be conducted on steel aerials to assure the integrity of the weldments and to detect any flaws or weaknesses. Magnets will be placed on each side of the weld while iron powder is placed on the weld itself. The powder will detect any crack that may exist. This test will conform to ASTM E709 and be performed prior to assembly of the aerial device.
- A liquid penetrant test will be conducted on aluminum aerials to assure the integrity of the weldments and to detect any flaws or weaknesses. This test will conform to ASTM E165 and be performed prior to assembly of the aerial device.
- Ultrasonic inspection will be conducted on all aerials to detect any flaws in pins, bolts and other critical mounting components.

In addition to the tests above, functional tests, load tests, and stability tests will be performed on all aerials. These tests will determine any unusual deflection, noise, vibration, or instability characteristics of the unit.

PUMP TEST

The pump will be tested, approved and certified by Underwriter's Laboratory at the manufacturer's expense. The test results and the pump manufacturer's certification of hydrostatic test; the engine

manufacturer's certified brake horsepower curve; and the manufacturer's record of pump construction details will be forwarded to the Fire Department.

GENERATOR TEST

If the unit has a generator, the generator will be tested, approved, and certified by Underwriters Laboratories at the manufacturer's expense. The test results will be provided to the Fire Department at the time of delivery.

BREATHING AIR TEST

If the unit has breathing air, Pierce Manufacturing will draw an air sample from the air system and certify that the air quality meets the requirements of NFPA 1989, *Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection*.

VEHICLE INSPECTION PROGRAM CERTIFICATION

To assure the vehicle is built to current NFPA 1901 standards, the apparatus, in its entirety, will be third-party, independent, audit-certified through Underwriters Laboratory (UL) that it is built and complies to all applicable standards in the current edition. The certification includes: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.

A placard will be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.

APPARATUS MANUFACTURER

Pierce Manufacturing is a subsidiary of Oshkosh Truck Corporation located in Oshkosh, Wisconsin. Oshkosh Truck Corporation is a publicly held company traded on the New York Stock Exchange (NYSE OSK). Oshkosh Truck Corporation is a fully owned and managed Corporation that is 100 percent held in the United States of America.

PRODUCT CHANGES AND IMPROVEMENTS

Our components and processes, as described in this proposal document, are as accurate as known at the time of bid submission, but are subject to change for the purpose of product or process improvements, or changes in industry standards providing the change does not affect the meaning or definition of the bid specifications.

PRODUCT CHANGES AND IMPROVEMENTS

Our components and processes, as described in this proposal document, are as accurate as known at the time of bid submission, but are subject to change for the purpose of product or process improvements, or changes in industry standards providing the change does not affect the meaning or definition of the bid specifications.

AFTERMARKET SUPPORT WEBSITE

Pierceparts.com will provide Pierce authorized dealer access to comprehensive information pertaining to the maintenance and service of their customer's apparatus. This tool will provide the Pierce authorized dealer the ability to service and support their customers to the best of their ability with factory support at their fingertips.

Pierceparts.com is also accessible to the end user through the guest login. Limited access is available and vehicle specific parts information accessible by entering a specific VIN number. All end users should see their local authorized Pierce dealer for additional support and service.

The website will consist of the following screens at the dealer level:

My Fleet Screen

The My Fleet screen will provide access to truck detail information on the major components of the vehicle, warranty information, available vehicle photographs, vehicle drawings, sales options, applicable vehicle software downloads, etc.

Parts Screens

The Parts screens will provide parts look-up capability of Pierce Manufacturing sourced items, with the aid of digital photographs, part drawings and assembly drawings. The parts search application will permit the searching of parts by item description or function group (major system category). The parts application will provide the ability to submit electronically a parts order, parts quote, or parts return request directly to Pierce Manufacturing for processing.

Warranty Screen

The Warranty screens will provide dealers the ability to submit electronically warranty claims directly to Pierce Manufacturing for reimbursement.

My Reports Screens

The My Reports screens will provide access to multiple dealer reports to allow the dealership to maintain communication with the customer on the status of orders, claims, and phone contacts.

Technical Support Screens

The Technical Support screens will provide access to all currently published Operation and Maintenance and Service Publications. Access to Pierce Manufacturing Service Bulletins and Work Instructions, containing information on current service topics and recommendations will be provided.

Training

The Training screens will provide access to upcoming training classes offered by Pierce Manufacturing along with interactive electronic learning modules (Operators Guides) covering the operation of major vehicle components will be provided. Access to training manuals used in Pierce Manufacturing training classes will be provided.

About Pierce

Access to customer service articles, corporate news, quarterly newsletters, and key contacts within the Customer Service Department will be provided. The current Customer Service Policy and Procedure Manual, detailing the operation of the Customer Service group will also be accessible.

BID BOND NOT REQUESTED

A bid bond will not be included. If requested, the following will apply:

All bidders will provide a bid bond as security for the bid in the form of a 5% bid bond to accompany their bid. This bid bond will be issued by a Surety Company who is listed on the U.S. Treasury Departments list of acceptable sureties as published in Department Circular 570. The bid bond will be issued by an authorized representative of the Surety Company and will be accompanied by a certified power of attorney dated on or before the date of bid. The bid bond will include language, which assures that the bidder/principal will give a bond or bonds as may be specified in the bidding or contract documents, with good and sufficient surety for the faithful performance of the contract, including the Basic One (1) Year Limited Warranty, and for the prompt payment of labor and material furnished in the prosecution of the contract.

Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle will apply only to the Basic One (1) Year Limited Warranty for such vehicle. Any surety bond related to the sale of a vehicle will not apply to any other warranties that are included within this bid (OEM or otherwise) or to the warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle. In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision will prevail.

PERFORMANCE BOND NOT REQUESTED

A performance bond will not be included. If requested at a later date, one will be provided to you for an additional cost and the following will apply:

The successful bidder will furnish a Performance and Payment bond (Bond) equal to 100 percent of the total contract amount within 30 days of the notice of award. Such Bond will be in a form acceptable to the Owner and issued by a surety company included within the Department of Treasury's Listing of Approved Sureties (Department Circular 570) with a minimum A.M. Best Financial Strength Rating of A and Size Category of XV. In the event of a bond issued by a surety of a lesser Size Category, a minimum Financial Strength rating of A+ is required.

Bidder and Bidder's surety agree that the Bond issued hereunder, whether expressly stated or not, also includes the surety's guarantee of the vehicle manufacturer's Bumper to Bumper warranty period included within this proposal. Owner agrees that the penal amount of this bond will be simultaneously amended to 25 percent of the total contract amount upon satisfactory acceptance and delivery of the vehicle(s) included herein. Notwithstanding anything contained within this contract to the contrary, the surety's liability for any warranties of any type will not exceed three (3) years from the date of such satisfactory acceptance and delivery, or the actual Bumper to Bumper warranty period, whichever is shorter.

APPROVAL DRAWING

A drawing of the proposed apparatus will be prepared and provided to the purchaser for approval before construction begins. The Pierce sales representative will also be provided with a copy of the same drawing. The finalized and approved drawing will become part of the contract documents. This drawing will indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the apparatus will be prepared and submitted by Pierce to the purchaser showing any changes made to the approval drawing.

COMPARTMENT LAYOUT DRAWING

A sales drawing will be provided as if the rear body compartment doors are open. This drawing will be provided for graphic representation only and will include such things as shelves, trays, reels, dividers, air control panels, air bottle storage bins, poly boxes, etc.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, will be provided.

VELOCITY CHASSIS

The Pierce Velocity® is the custom chassis developed exclusively for the fire service. Chassis provided will be a new, tilt-type custom fire apparatus. The chassis will be manufactured in the apparatus body builder's facility eliminating any split responsibility. The chassis will be designed and manufactured for heavy-duty service, with adequate strength and capacity for the intended load to be sustained and the type of service required. The chassis will be the manufacturer's first line tilt cab.

WHEELBASE

The wheelbase of the vehicle will be 271.00.

GVW RATING

The gross vehicle weight rating will be 76,640.

FRAME

The chassis frame will be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. The side rails will have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to 10.75" over the rear axle. Each rail will have a section modulus of 25.992 cubic inches and a resisting bending moment (rbm) of 3,119,040 in-lb over the critical regions of the frame assembly, with a section modulus of 18.96 cubic inches with an rbm of 2,275,200 in-lb over the rear axle. The frame rails will be constructed of 120,000 psi yield strength heat-treated 0.38" thick steel with 3.50" wide flanges.

FRAME REINFORCEMENT

In addition, a mainframe internal liner will be provided. The liner will be an internal "C" design that steps to an internal "L" design over the rear axle. It will be heat-treated steel measuring 12.50" x 3.00" x 0.25" through the front portion of the liner, stepping to 9.38" x 3.00" x 0.25" through the rear portion of the liner. Each liner will have a section modulus of 13.58 cubic inches, yield strength of 110,000 psi, and rbm of 1,494,042 in-lb. Total rbm at wheelbase center will be 4,391,869 in-lb.

The frame liner will be mounted inside of the chassis frame rail and extend the full length of the frame.

FRONT NON DRIVE AXLE

The Oshkosh TAK-4® front axle will be of the independent suspension design with a ground rating of 24,000 lb.

Upper and lower control arms will be used on each side of the axle. Upper control arm castings will be made of 100,000-psi yield strength 8630 steel and the lower control arm casting will be made of 55,000-psi yield ductile iron.

The center cross members and side plates will be constructed out of 80,000-psi yield strength steel.

Each control arm will be mounted to the center section using elastomer bushings. These rubber bushings will rotate on low friction plain bearings and be lubricated for life. Each bushing will also have a flange end to absorb longitudinal impact loads, reducing noise and vibrations.

There will be nine (9) grease fittings supplied, one (1) on each control arm pivot and one (1) on the steering gear extension.

The upper control arm will be shorter than the lower arm so that wheel end geometry provides positive camber when deflected below rated load and negative camber above rated load.

Camber at load will be 0 degrees for optimum tire life.

The ball joint bearing will be of low friction design and be maintenance free.

Toe links that are adjustable for alignment of the wheel to the center of the chassis will be provided.

The wheel ends must have little to no bump steer when the chassis encounters a hole or obstacle.

The steering linkage will provide proper steering angles for the inside and outside wheel, based on the vehicle wheelbase.

The axle will have a turning angle of up to 45 degrees.

FRONT SUSPENSION

Front Oshkosh TAK-4™ independent suspension will be provided with a minimum ground rating of 24,000 lb.

The independent suspension system has been designed to provide maximum ride comfort. The design will allow the vehicle to travel at highway speeds over improved road surfaces and at moderate speeds over rough terrain with minimal transfer of road shock and vibration to the vehicle's crew compartment.

Each wheel will have a torsion bar type spring. In addition, each front wheel end will also have energy absorbing jounce bumpers to prevent bottoming of the suspension.

The suspension design will be such that there is at least 10.00" of total wheel travel and a minimum of 3.75" before suspension bottoms.

The torsion bar anchor lock system allows for simple lean adjustments, without the use of shims. One can adjust for a lean within 15 minutes per side. Anchor adjustment design is such that it allows for ride height adjustment on each side.

The independent suspension was put through a durability test that simulated 140,000 miles of inner city driving.

FRONT SHOCK ABSORBERS

KONI heavy-duty telescoping shock absorbers will be provided on the front suspension.

FRONT OIL SEALS

Oil seals with viewing window will be provided on the front axle.

FRONT TIRES

Front tires will be Michelin 425/65R22.50 radials, 20 ply all-position XZY3 wide base tread, rated for 24,400 lb maximum axle load and 65 mph maximum speed.

The tires will be mounted on Alcoa© 22.50" x 12.25" Dura-Black® polished aluminum disc type wheels with a ten (10) stud, 11.25" bolt circle.

REAR AXLE

The rear axle will be a tandem axle assembly, of the Oshkosh TAK-4® T3, Tight Turning Technology, independent suspension design, with the ability to support a mechanical rear axle steering system. Tandem rear axles will have a ground rating of 52,640 lb.

The rear axles will be designed for specific use of the independent suspension.

The rear independent suspension driving axles will be equipped with a carrier reduction of 1.69 to 1.00 with a planetary wheel end reduction of 3.55 to 1.00. Driving torque will be transmitted from the center differential to the planetary wheel drive by means of a half shaft.

Oil fills and level checks will be required at the center differential and the planet wheel end locations.

An inter-axle differential, which divides torque evenly between axles, will be provided with an indicator light mounted on the cab instrument panel.

REAR AXLE STEERING

The tandem rear axle assembly will include a mechanical rear steering system. The mechanical rear steering system will be applied to both rear axles.

The steering geometry will be designed to minimize tire scrub of the rear tandem axle tires while reducing the overall turning diameter of the apparatus.

The mechanical rear steering system will not use electronic controls and will not have a means to be disengaged. Coordinated steering is the only steering mode supported by the mechanical steering system.

Rear steering system is actuated by a mechanical means of connecting the front master/slave steering gear system to a rear axle master/slave steering gear system.

TOP SPEED OF VEHICLE

A rear axle ratio will be furnished to allow the vehicle to reach a top speed of 60 mph.

REAR SUSPENSION

The rear suspension will be an Oshkosh TAK-4® independent type with a minimum ground rating of 52,640 lbs.

The independent suspension will be configured with upper and lower control arms with a spring seat for a coil spring mounted to the lower control arm. The spring tower will be integrated into the suspension frame mount. Each control arm has elastomeric bushings at the inner pivot locations with a ball joint bearing at the outer pivot location. All suspension pivot joints will be of a maintenance free design.

The rear independent suspension will be provided with steering toe links providing tow adjustments and maintaining wheel control throughout the range of wheel travel.

The independent suspension will be designed to provide maximum ride quality when traveling at highway speeds over improved roads or a moderate speeds over secondary road surfaces with minimal transfer of shock and vibration to the apparatus.

Each independent suspension will utilize a coil type of spring. The design will allow for removal of the spring without the use of any spring compression.

The rear suspension will provide a minimum wheel travel of 10.00", 6.00" jounce and 4.00" of rebound.

REAR OIL SEALS

Oil seals will be provided on the rear axle(s).

REAR TIRES

Rear tires will be four (4) Michelin super single 445/65R22.5 radials, 20 ply all position XZY3 wide base tread, rated for 52,640 lb maximum axle load and 65 mph maximum speed.

The tires will be mounted on 22.50" x 13.00" steel disc type wheels with a ten (10) stud, 11.25" bolt circle.

TIRE BALANCE

All tires will be balanced with Counteract balancing beads. The beads will be inserted into the tire and eliminate the need for wheel weights.

TIRE PRESSURE MANAGEMENT

There will be a RealWheels LED AirSecure™ tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 10 and 200 psi. The sensor will activate an integral battery operated LED when the pressure of that tire drops 5 to 8 psi.

Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start to flash.

FRONT HUB COVERS

Stainless steel hub covers will be provided on the front axle. An oil level viewing window will be provided.

CHROME LUG NUT COVERS

Chrome lug nut covers will be supplied on front and rear wheels.

MUD FLAPS

Mud flaps with a Pierce logo will be installed behind the front and rear wheels.

WHEEL CHOCKS

There will be one (1) pair of folding Ziamatic, Model SAC-44-E, aluminum alloy, Quick-Choc wheel blocks, with easy-grip handle provided.

Wheel Chock Brackets

There will be one (1) pair of Zico, Model SQCH-44-H, horizontal mounting wheel chock brackets provided for the Ziamatic, Model SAC-44-E, folding wheel chocks. The brackets will be made of aluminum and consist of a quick release spring loaded rod to hold the wheel chocks in place. The brackets will be mounted rearward of the left side rear tire.

ANTI-LOCK BRAKE SYSTEM

The vehicle will be equipped with a Wabco 4S4M, anti-lock braking system. The ABS will provide a four (4) channel anti-lock braking control on both the front and rear wheels (rear tandem wheels). A digitally controlled system that utilizes microprocessor technology will control the anti-lock braking system. Each wheel will be monitored by the system. When any particular wheel begins to lockup, a signal will be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

AUTOMATIC TRACTION CONTROL

An anti-slip feature will be included with the ABS. The Automatic Traction Control will be used for traction in poor road and weather conditions. The Automatic Traction Control will act as an electronic differential lock that will not allow a driving wheel to spin, thereby supplying traction at all times. The ABS electronic control unit (ECU) will work with the engine ECU, sharing information concerning wheel slip. Engine ECU will use information to control engine speed, allowing only as much throttle application as required for the available traction, regardless of how much the driver is asking for. An "off road traction" switch will be provided on the instrument panel. Activation of the switch will allow additional tire slip to let the truck climb out and get on top of deep snow or mud.

BRAKES

The service brake system will be full air type.

The front brakes will be Knorr/Bendix disc type with a 17.00" ventilated rotor for improved stopping distance.

The brake system will be certified, third party inspected, for improved stopping distance.

The rear brakes will be Bendix®, Model ES1657D, 16.50" x 7.00" cam operated with automatic slack adjusters.

BRAKE SYSTEM AIR COMPRESSOR

The air compressor will be a Cummins/WABCO with 25.9 cubic feet per minute output.

BRAKE SYSTEM

The brake system will include:

- Bendix dual brake treadle valve
- Heated automatic moisture ejector on air dryer
- Total air system capacity of 6,653 cubic inches
- Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi
- Spring set parking brake system
- Parking brake operated by a push-pull style control valve
- A parking "brake on" indicator light on instrument panel
- Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, will be provided with an automatic spring brake application at 40 psi
- A pressure protection valve will be provided to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa).
- Quarter turn drain valves on each air tank

The air tank will be primed and painted to meet a minimum 750 hour salt spray test.

To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

BRAKE SYSTEM AIR DRYER

The air dryer will be WABCO System Saver 1200 with spin-on coalescing filter cartridge and 100 watt heater.

BRAKE LINES

Color-coded nylon brake lines will be provided. The lines will be wrapped in a heat protective loom in the chassis areas that are subject to excessive heat.

AIR INLET/OUTLET

One (1) air inlet/outlet will be installed recessed with the female coupling located on the driver side pump panel. This system will tie into the "wet" tank of the brake system and include a check valve in the inlet line and an 85 psi pressure protection valve in the outlet line. The air outlet will be controlled by a needle valve.

A mating male fitting will be provided with the loose equipment.

The air inlet will allow a shoreline air hose to be connected to the vehicle. This will allow station air to be supplied to the brake system of the vehicle to insure constant air pressure.

RECESSED BOX FOR AIR FITTING

One (1) air inlet/outlet will have an smooth aluminum recessed box provided. The box(es) will allow the air fitting to be recessed inside the stepwell to prevent damage. D/S pump house.

ALL WHEEL LOCK-UP

An additional all wheel lock-up system will be installed which applies air to the front brakes only. The standard spring brake control valve system will be used for the rear.

The all wheel lock-up system will be activated automatically when the aerial master switch is activated.

ADDITIONAL AIR TANK FOR AIR HORN

An additional air tank with 1,454 cubic inch displacement will be provided to increase the capacity of the air system. This tank will be dedicated for air horn use.

The air tank will be primed and painted to meet a minimum 750 hour salt spray test. To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

The output flow of the engine air compressor varies with engine rpm. Full compressor output is only achieved at governed engine speed. Engine speed may be limited by generators, pumps and other PTO driven options.

U-BOLT GUARD OVER PARKING BRAKE KNOB

There will be one (1) U-bolt type protective guard(s) installed over the "Parking Brake" knob to prevent accidental activation of the brake. The guard will be located on the driver's side.

REMOTE AIR TANK DRAINS

Brass 1/4 turn drain valves will be remote mounted for each air supply reservoir.

The drain valves will be banked together in a mounting plate on the driver side of vehicle, as close to the edge of the vehicle as possible.

Each drain valve will have a label directly above that identifies the corresponding air tank.

Nylon tubing, .38" diameter, will be routed from the air tank to the 1/4 turn drain valve. The nylon tubing will be covered with protective split loom.

The air tank drain(s) will be provided on the under left front body reservoir(s).

COMPRESSION FITTINGS

Any nylon tube on the apparatus that is pneumatic will be plumbed with compression type fittings where applicable.

ENGINE

The chassis will be powered by an electronically controlled engine as described below:

Make:	Cummins
Model:	X12
Power:	525 hp at 1900 rpm
Torque:	1695 lb-ft at 1000 rpm
Governed Speed:	2000 rpm
Emissions Level:	EPA 2021

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Fuel:	Diesel
Cylinders:	Six (6)
Displacement:	720 cubic inches (11.8L)
Starter:	Delco 39MT™
Fuel Filters:	Spin-on style primary filter with water separator and water-in-fuel sensor. Secondary spin-on style filter.

The engine will include On-board diagnostics (OBD), which provides self diagnostic and reporting. The system will give the owner or repair technician access to state of health information for various vehicle sub systems. The system will monitor vehicle systems, engine and after treatment. The system will illuminate a malfunction indicator light on the dash console if a problem is detected.

REMOTE MOUNTED ENGINE FILTERS

The engine fuel and oil filters will be remote mounted for ease of maintenance.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle."

ENGINE BRAKE

A Jacobs® engine brake is to be installed with the controls located on the instrument panel within easy reach of the driver.

The driver will be able to turn the engine brake system on/off and have a high, medium and low setting.

The engine brake will activate when the system is on and the throttle is released.

The high setting of the brake application will activate and work simultaneously with the variable geometry turbo (VGT) provided on the engine.

The engine brake will be installed in such a manner that when the engine brake is slowing the vehicle the brake lights are activated.

The ABS system will automatically disengage the auxiliary braking device, when required.

CLUTCH FAN

A Horton® fan clutch will be provided. The fan clutch will be automatic when the pump transmission is in "Road" position, and fully engaged in "Pump" position.

HEATER SHUTOFF

The cab and crew cab heaters will be provided with a shut-off valve installed in the supply line. This valve will be in an accessible location.

Shut-off valve will be labeled for easy recognition.

ENGINE AIR INTAKE

An air intake with an ember separator (to prevent road dirt, burning embers, and recirculating hot air from entering the engine) will be mounted at the front of the apparatus, on the passenger side of the engine. The ember separator will be mounted in the air intake with flame retardant, roto-molded polyethylene housing. It will be easily accessible by the hinged access panel at the front of the vehicle.

EXHAUST SYSTEM

The exhaust system will include a Single Module™ aftertreatment device to meet current EPA standards. The exhaust system will be stainless steel from the turbo to the inlet of the aftertreatment device, and will be 5.00" in diameter. An insulation wrap will be provided on all exhaust pipes between the turbo and aftertreatment device to minimize the heat loss to the aftertreatment device. The exhaust will terminate horizontally ahead of the right side rear wheels. A tailpipe diffuser will be provided to reduce the temperature of the exhaust as it exits. Heat deflector shields will be provided to isolate chassis and body components from the heat of the tailpipe diffuser.

EXHAUST MODIFICATION

The exhaust pipe will be brought out from under the body at a 90 degree angle from the truck. The tail pipe will terminate flush with the body rubrail, adaptable for the Plymovent system. The diameter of the diffuser will be 7.00". There will be a clearance of 4.00" completely around the pipe once past the side of the body. A stop will be provided on the tail pipe that will prevent the nozzle from sliding too far on.

RADIATOR

The radiator and the complete cooling system will meet or exceed NFPA and engine manufacturer cooling system standards.

For maximum corrosion resistance and cooling performance, the entire radiator core will be constructed using long life aluminum alloy. The core will be made of aluminum fins, having a serpentine design, brazed to aluminum tubes. The tubes will be brazed to aluminum headers. The radiator core will have a minimum frontal area of 1434 square inches. Supply tank made of glass-reinforced nylon and a return tank of cast aluminum alloy will be crimped on to the core assembly using header tabs and a compression gasket to complete the radiator core assembly. The radiator will be compatible with commercial antifreeze solutions.

There will be a full steel frame around the entire radiator core assembly. The radiator core assembly will be isolated within the steel frame by rubber inserts to enhance cooling system durability and reliability. The radiator will be mounted in such a manner as to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven ground. The radiator assembly will be isolated from the chassis frame rails with rubber isolators.

The radiator assembly will include an integral de-aeration tank permanently mounted to the top of the radiator framework, with a readily accessible remote-mounted overflow tank. For visual coolant level inspection, the radiator will have a built-in sight glass. The radiator will be equipped with a 15 psi pressure relief cap.

A drain port will be located at the lowest point of the cooling system and/or the bottom of the radiator to permit complete flushing of the coolant from the system.

A heavy-duty fan will draw in fresh, cool air through the radiator. Shields or baffles will be provided to prevent recirculation of hot air to the inlet side of the radiator.

COOLANT LINES

Gates, or Goodyear, rubber hose will be used for all engine coolant lines installed by the chassis manufacturer.

Hose clamps will be stainless steel "constant torque type" to prevent coolant leakage. They will react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose.

FUEL TANK

A 75 gallon fuel tank will be provided and mounted at the rear of the chassis. The tank will be constructed of 12-gauge, hot rolled steel. It will be equipped with swash partitions and a vent. To eliminate the effects of corrosion, the fuel tank will be mounted with stainless steel straps.

A .75" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be located on the left hand and right hand side of the body and be covered with a hinged, spring loaded, stainless steel door that is marked "Ultra Low Sulfur - Diesel Fuel Only."

A .50" diameter vent will be provided running from top of tank to just below fuel fill inlet.

The tank will meet all FHWA 393.67 requirements, including a fill capacity of 95 percent of tank volume.

All fuel lines will be provided as recommended by the engine manufacturer.

DIESEL EXHAUST FLUID TANK

A 4.5 gallon diesel exhaust fluid (DEF) tank will be provided and mounted in the driver's side body forward of the rear axle.

A 0.50" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be provided and marked "Diesel Exhaust Fluid Only". The fill inlet will be located below the air bottle storage behind a common door on the driver side of the vehicle.

The tank will meet the engine manufacturers requirement for 10 percent expansion space in the event of tank freezing.

The tank will include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing.

FUEL PRIMING PUMP

A Cummins automatic electronic fuel priming pump will be integrated as part of the engine.

FUEL SHUTOFF

A shutoff valve will be installed in the fuel line, on both sides of the fuel filter.

FUEL COOLER

An air to fuel cooler will be installed in the engine fuel return line.

The fuel filler cap will have a retaining chain and holder provided on the fuel fill door.

FUEL TANK VENT

The fuel tank vent will be located a minimum of 40.00" from the ground. It will be clocked rearward.

FUEL FILL DRAIN

A drain will be added inside the fuel fill door, below the DEF fill inlet. The drain will be extended down below the body.

LABEL, FUEL DOOR

A label will be provided, Inside fuel door, to read "Diesel Fuel Only".

DEF DOOR LABEL

A label will be provided inside door. It will read "DEF Only".

FUEL SEPARATOR

The engine will be equipped with a Racor in-line spin-on fuel and water separator in addition to the engine fuel filters.

TRANSMISSION

An Allison 6th generation, Model EVS 4000P, electronic, torque converting, automatic transmission will be provided.

The transmission will be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.

Two (2) PTO openings will be located on left side and top of converter housing (positions 8 o'clock and 1 o'clock).

A transmission temperature gauge with an amber light and buzzer will be installed on the cab instrument panel.

TRANSMISSION SHIFTER

A six (6)-speed push button shift module will be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.

The transmission ratio will be:

1st	3.51 to 1.00
2nd	1.91 to 1.00
3rd	1.43 to 1.00
4th	1.00 to 1.00

5th	0.75 to 1.00
6th	0.64 to 1.00
R	4.80 to 1.00

TRANSMISSION COOLER

A Modine plate and fin transmission oil cooler will be provided using engine coolant to control the transmission oil temperature.

TRANSMISSION PROGRAM

The transmission will shift to neutral when parking brake is set.

DRIVELINE

Drivelines will be a heavy-duty metal tube and be equipped with Spicer® 1810 universal joints.

The shafts will be dynamically balanced before installation.

A splined slip joint will be provided in each driveshaft where the driveline design requires it. The slip joint will be coated with Glidecoat® or equivalent.

STEERING

Dual Sheppard, Model M110, steering gears, with integral heavy-duty power steering, will be provided. For reduced system temperatures, the power steering will incorporate an air to oil cooler and an Eaton, Model VN20, hydraulic pump with integral pressure and flow control. All power steering lines will have wire braded lines with crimped fittings.

A tilt and telescopic steering column will be provided to improve fit for a broader range of driver configurations.

STEERING WHEEL

The steering wheel will be 18.00" in diameter, have tilting and telescoping capabilities, and a 4-spoke design.

BUMPER

A one (1) piece aluminum bumper minimum of 10.00" high and 45 degree corners containing a 3/8" bend radius and 1.50" top and bottom flange will be attached to the modular frame extension. The bumper will be extended 15.00" from front face of cab.

It will have fully covered stabilizer cylinders that tip within a pocket inside the covers allowing the bumper to be a single wrap around piece.

The bumper will be metal finished and painted job color.

Gravel Pan

A gravel pan, constructed of bright aluminum treadplate, will be furnished between the bumper and cab face. The gravel pan will be properly supported from the underside to prevent flexing and vibration of the aluminum treadplate.

LIFT AND TOW MOUNTS

Mounted to the frame extension will be lift and tow mounts. The lift and tow mounts will be designed and positioned to adapt to certain tow truck lift systems.

The lift and tow mounts with eyes will be painted the same color as the frame.

TOW EYES

Two (2) chromed steel tow eyes will be installed under the bumper and attached to the front frame members. The inner and outer edges of the tow eyes will have a .25" radius.

The tow eyes will be designed and positioned to allow up to a 9,000 lb straight horizontal pull in line with the centerline of the vehicle. The tow eyes will not be used for lifting of the apparatus.

LICENSE PLATE (MOUNTING HOLES)

Four (4) mounting holes will be provided in the center of the front bumper for the customer to mount a license plate.

FRONT BUMPER UL-LX COATING

Protective black UL-LX® coating will be provided on the outside exterior of the top front bumper flange. It will not be sprayed on the underside of the flange.

The lining will be properly installed by an authorized UL-LX dealer.

CAB

The Velocity cab will be designed specifically for the fire service and will be manufactured by Pierce Manufacturing.

To provide quality at the source and single source customer support, the cab will be built by the apparatus manufacturer in a facility located on the manufacturer's premises.

For reasons of structural integrity and enhanced occupant protection, the cab will be of heavy duty design, constructed to the following minimal standards.

The cab will have 12 main vertical structural members located in the A-pillar (front cab corner posts), B-pillar (side center posts), C-pillar (rear corner posts) and rear wall areas. The A-pillar will be constructed of 0.25" heavy wall extrusions joined by a solid A356-T6 aluminum joint casting. The B-pillar and C-pillar will also be constructed from 0.25" heavy wall extrusions. The rear wall will be constructed of two (2) 4.00" x 2.00" outer aluminum extrusions and two (2) 3.00" x 2.00" inner aluminum extrusions. All main vertical structural members will run from the floor to 7.50" x 3.50" x 0.125" thick roof extrusions to provide a cage-like structure with the A-pillar and roof extrusions being welded into a 0.75" thick corner casting at each of the front corners of the roof assembly.

The front of the cab will be constructed of a 0.25" thick firewall, covered with a 0.125" front skin (for a total thickness of 0.38"), and reinforced with 24.50" wide x 10.00" deep x 0.50" thick supports on each side of the engine tunnel. The cross-cab support will be welded to the A-pillar, 0.25" firewall, and engine tunnel, on the left and right sides.

The cab floors will be constructed of 0.1875" thick aluminum plate and reinforced at the firewall with an additional 0.25" thick cross-floor support providing a total thickness of 0.44" of structural material at the front floor area. The front floor area will also be supported with three (3) 0.50" plates bolted together that also provides the mounting point for the cab lift. This tubing will run from the front of the cab to the 0.1875" thick engine tunnel, creating the structure to support the forces created when lifting the cab.

The cab will be a full-tilt style. A 3-point cab mount system with rubber isolators will improve ride quality by isolating chassis vibrations from the cab.

The crew cab will be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.

The overall height (from the cab roof to the ground) will be approximately 102.00". The overall height listed will be calculated based on a truck configuration with the lowest suspension weight ratings, the smallest diameter tires for the suspension, no water weight, no loose equipment weight, and no personnel weight. Larger tires, wheels, and suspension will increase the overall height listed.

The cab will have an interior width of not less than 93.50". The driver and passenger seating positions will have a minimum 24.00" clear width at knee level.

To reduce injuries to occupants in the seated positions, proper head clearance will be provided. The floor-to-ceiling height inside the forward cab will be no less than 60.25". The floor-to-ceiling height inside the crew cab will be no less than 52.95" in the center position and 58.75" in the outboard positions.

The crew cab will measure a minimum of 57.50" from the rear wall to the backside of the engine tunnel (knee level) for optimal occupant legroom.

INTERIOR CAB INSULATION

The cab walls, ceiling and engine tunnel will be insulated in all strategic locations to maximize acoustic absorption and thermal insulation. The cab will be insulated with 2.00" insulation in the rear wall, 3.00" insulation in the side walls, and 1.50" insulation in the ceiling.

FENDER LINERS

Full-circular, aluminum inner fender liners in the wheel wells will be provided.

PANORAMIC WINDSHIELD

A one (1)-piece, safety glass windshield with more than 2,802 square inches of clear viewing area will be provided. The windshield will be full width and will provide the occupants with a panoramic view. The windshield will consist of three (3) layers: the outer light, the middle safety laminate, and the inner light. The 0.114" thick outer light layer will provide superior chip resistance. The middle safety laminate layer will prevent the windshield glass pieces from detaching in the event of breakage. The inner light will provide yet another chip resistant layer. The cab windshield will be bonded to the aluminum windshield frame using a urethane adhesive. A custom frit pattern will be applied on the outside perimeter of the windshield for a finished automotive appearance.

WINDSHIELD WIPERS

Three (3) electric windshield wipers with a washer, in conformance with FMVSS and SAE requirements, will be provided. The wiper blades will be 21.65" long and together will clear a minimum of 1,783 square inches of the windshield for maximum visibility in inclement weather.

The windshield washer fluid reservoir will be located at the front of the vehicle and be accessible through the access hood for simple maintenance.

FAST SERVICE ACCESS FRONT TILT HOOD

A full-width access hood will be provided for convenient access to engine coolant, steering fluid, wiper fluid, cab lift controls, headlight power modules, and ember separator. The hood will also provide complete access to the windshield wiper motor and components. The hood will be contoured to provide a sleek, automotive appearance. The hood will be constructed of two (2) fiberglass panels bonded together and will include reinforcing ribs for structural integrity. The hood will include air cylinders to hold the hood in open and closed positions, and a heavy duty latch system that will meet FMVSS 113 (Hood Latch System). The spring-loaded hood latch will be located at the center of the hood with a double-action release lever located behind the Pierce logo. The two (2)-step release requires the lever first be pulled to the driver side until the hood releases from the first latch (primary latch) then to the passenger side to fully release the hood (secondary latch).

ENGINE TUNNEL

To provide structural strength, the engine tunnel sidewalls will be constructed of .50" aluminum plate that is welded to both the .25" firewall and .38" heavy wall extrusion under the crew cab floor. To maximize occupant space, the top edges will be tapered.

The engine hood will be insulated for protection from heat and sound. Perforated foil faced insulation will be over a 1.00" thick closed cell foam affixed with pressure sensitive adhesive and further secured with mechanical fasteners. Thermal rating for this insulation will be -40 degrees Fahrenheit to 300 degrees Fahrenheit. The noise insulation keeps the dBA level within the limits stated in the current NFPA 1901 standards.

CAB REAR WALL EXTERIOR COVERING

The exterior surface of the rear wall of the cab will be overlaid with bright aluminum treadplate except for areas that are not typically visible when the cab is lowered.

CAB LIFT

A hydraulic cab lift system will be provided, consisting of an electric-powered hydraulic pump, fluid reservoir, dual lift cylinders, remote cab lift controls and all necessary hoses and valves. The hydraulic pump will have a backup manual override, for use in the event of an electrical failure.

The cab lift controls will be located at the driver side front of the cab, easily accessible under the full width front access hood. The controls will include a permanently mounted raise/lower switch. For enhanced visibility during cab tilt operations, a remote control tether with on/off switch will be supplied on a coiled cord that will extend from 2.00' (coiled) to 6.00' (extended).

The cab will be capable of tilting 42 degrees and 80 degrees with crane assist to accommodate engine maintenance and removal. The cab pivots will be located 46.00" apart to provide stability while tilting the cab.

The rear of the cab will be locked down by a two (2)-point, automatic, hydraulic, double hook mechanism that fully engages after the cab has been lowered (self-locking). The dual 2.25" diameter hydraulic cylinders will be equipped with a velocity fuse that protects the cab from accidentally descending when the cab is in the tilt position.

For increased safety, a redundant mechanical stay arm will be provided that must be manually put in place on the driver side between the chassis and cab frame when cab is in the raised position. This device will be manually stowed to its original position before the cab can be lowered.

Cab Lift Interlock

The cab lift safety system will be interlocked to the parking brake. The cab tilt mechanism will be active only when the parking brake is set and the ignition switch is in the on position. If the parking brake is released, the cab tilt mechanism will be disabled.

The cab lift safety system will also be interlocked to the front stabilizers in the bumper. The cab tilt mechanism will be active only when the front stabilizers are fully stowed, and fully tilted outboard. The cab tilt mechanism will not allow the front stabilizers to be tilted inboard until the cab has been fully lowered and locked into position.

GRILLE

An aluminum mesh grille screen, inserted behind a formed grille surround, will be provided on the front center of the cab, and will serve as an air intake to the radiator. The mesh screen will be painted black #101. The grille surround will be painted black #101.

DOOR JAMB SCUFFPLATES

All cab door jambs will be furnished with a polished stainless steel scuffplate, mounted on the striker side of the jamb.

SCUFFPLATES, REAR CAB CORNER GUARDS

Both rear cab corners will be furnished with a full height, brushed stainless steel corner guard scuffplate. The guard will extend 1.00" from the corner to protect paint from damage when pulling items (such as booster hose) around the cab.

FRONT CAB TRIM

There will be stainless steel rectangular garnish plates installed behind the two (2) headlight bezels for an enhanced appearance. The plates will be painted black 101.

There will be painted black stainless steel corner covers provided over the painted cab corner where the cab turn signals are located.

MIRRORS

Ramco, Model 6001FFHR-750HR, polished aluminum 9.25" wide x 13.50" high mirrors, with full flat glass section, will be mounted on each side of the front cab corner. A convex section will be bolted to the top of each mirror. The mirror head will have a #101 black finish.

The flat glass in each mirror will be heated and adjustable with remote controls that are convenient to the driver.

The convex section in each mirror will be heated and adjustable with remote controls.

There will be a pair of 3.00" risers, one for each mirror, mounted between the mirror body and mirror arm.

FRONT CROSS VIEW MIRROR

There will be one (1) 8.00" diameter eyeball mirror provided on the passenger side front corner of the cab. It will be mounted high, above the windshield. The mirror will provide the driver with a view of the front bumper and the front of the truck.

The mirror housing, tubing, clamps and hardware will be constructed of corrosion resistant stainless steel.

Mirror head will be K-10, EB50S-S, 8.00" stainless steel housing with three (3) arms.

The remote switches for the mirrors will be installed match Jersey Village Job: 31140 - lower panel near driver, panel #8

CAB DOORS

To enhance entry and egress to the cab, the forward cab doors will be a minimum of 43.59" wide x 76.46" high. The crew cab doors will be located on the sides of the cab and will be constructed in the same manner as the forward cab doors. The crew cab doors will measure a minimum of 37.87" wide x 76.46" high.

The forward cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of 0.125". The exterior door skins will be constructed from 0.090" aluminum.

The forward cab door windows will include a 7.50" high x 10.00" wide drop area at the front to enhance visibility.

A customized, vertical, pull-down type door handle will be provided on the exterior of each cab door. The finish of the door handle will be chrome/black. The exterior handle will be designed specifically for the fire service to prevent accidental activation, and will provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

Each door will also be provided with an interior flush, open style paddle handle that will be readily operable from fore and aft positions, and be designed to prevent accidental activation. The interior handles will provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The keys will be Model 751. The locks will be capable of activating when the doors are open or closed. The doors will remain locked if locks are activated when the doors are opened, then closed.

A heavy duty, stainless steel, piano-type hinge with a 0.38" pin and 11 gauge leaf will be provided on all cab doors. There will be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

A chrome grab handle will be provided on the inside of each cab and crew cab door.

A red webbed grab handle will be installed on the crew cab door stop strap. The grab handles will be securely mounted.

The cab steps at each cab door location will be located inside the cab doors to protect the steps from weather elements.

Door Panels

The inner cab door panels will be constructed out of polished stainless steel. The cab door panels will be removable.

RECESSED POCKET WITH ELASTIC COVER

To provide organized storage (clutter control) in the cab for miscellaneous equipment, the cab interior will be provided with recessed storage pockets. The pockets will be 5.63" wide x 2.00" high x 4.00" deep. The pockets will be provided with a perforated elastic material cover to secure the equipment in the pocket. The pockets will be installed in all available mounting locations of the overhead console.

ELECTRIC WINDOW CONTROLS

Each cab entry door will be equipped with an electrically operated tempered glass window. A window control panel will be located on the door panel within easy reach of the respective occupant. Each switch will allow intermittent or auto down operation for ease of use. Auto down operation will be actuated by holding the window down switch for approximately 1 second. The driver control panel will contain a control switch for each cab door's window. All other door control panels will contain a single switch to operate the window within that door.

The window switches will be connected directly to the battery power. This allows the windows to be raised and lowered when the battery switch is in the off position.

ELECTRIC CAB DOOR LOCKS

The front driver and passenger doors will have a door lock master switch (custom designed rotary lock knob) built into the interior door latch that will control all front and rear side exit door locks. Each rear cab door will have its own lock control. Each door will have a keyed exterior lock mechanism built into the door handle assembly.

There will be one (1) concealed switch on the exterior of the cab, located under the front full width service access panel, that operates the cab door locks.

The lock system will include two (2) key FOBs that allow for keyless entry into the vehicle. The key FOB system will use code hopping technology for high security and be FCC part 15 compliant.

KEY PAD FOR ELECTRIC DOOR LOCKS

For improved convenience, the cab door locks will include a Trimark keypad entry system to provide complete keyless entry to the cab. There will be two (2) keypads provided, located one each side of the cab behind the front cab doors. The keypads will include visual and audio feedback to confirm activation and acknowledge correct entry code. For enhanced night time use, the keypads will be lighted. For increased security, the system will allow over 3000 possible code combinations.

KEY PAD CODE

The code for the key pad will be set to TBD.

CAB STEPS

The forward cab and crew cab access steps will be a full size two (2) step design to provide largest possible stepping surfaces for safe ingress and egress. The bottom steps will be designed with a grip pattern punched into bright aluminum treadplate material to provide support, slip resistance, and drainage. The bottom steps will be a bolt-in design to minimize repair costs should they need to be replaced. The steps will protrude outward an additional 1.00" from standard. The forward cab steps will be a minimum 31.00" wide, and the crew cab steps will be 24.25" wide with an 9.00" minimum depth. The inside cab steps will not exceed 18.00" in height and be limited to two (2) steps.

CAB EXTERIOR HANDRAILS

A Hansen knurled aluminum, black anodized handrail will be provided adjacent to each cab and crew cab door opening to assist during cab ingress and egress. The handrails will be e-coated and have black powder coated stanchions. Each handrail will be provided with red LED lights. The lights will be activated with a separate switch in the cab and when the parking brake is applied. The LED lights may be load managed.

STIRRUP STEPS

A stirrup step will be provided below each cab and crew cab door. The steps will be designed with a grip pattern punched into bright aluminum treadplate material providing support, slip resistance, and drainage. The steps will be a bolt-on design and provide a 18.50" wide x 7.00" deep stepping surface. The front of step will extend 2.00" past the cab. Each step will provide a step height of 8.25" from the top of the stirrup step to the first step of the cab.

The stirrup step will be lit by an Amdor, Model AY-9500-012, 12 volt DC LED light provided on the step.

The step light will be activated automatically when the battery switch is on and the exit doors are opened or by the same means as the body step lights.

STEP LIGHTS

There will be four (4) white P25 LED step lights provided. The lights will be installed at each cab and crew cab door, one (1) per step. The lights will be located in the driver side front doorstep, driver side crew cab doorstep, passenger side front doorstep and passenger side crew cab doorstep.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15.00" x 15.00" square placed 10.00" below the light and a minimum of 1.5 fc covering an entire 30.00" x 30.00" square at the same 10.00" distance below the light.

The light(s) will have a chrome housing.

The lights will be activated when the adjacent door is opened.

FENDER CROWNS

Painted stainless steel fender crowns will be installed at the cab wheel openings. The crowns will be painted #101 black

GRAB HANDLE(S)

There will be two (2) black offset rubber covered grab handle(s) mounted one each to the hinge side of the crew cab doors - See Job: 31140 to assist in entering the cab and/or crew cab. The grab handle(s) will be securely mounted.

INTERIOR CREW CAB DOOR HANDRAIL

A handrail will be provided on each interior crew cab door pan. The handrails will be mounted at a 45 degree angle. These are in addition to the standard crew cab door handle.

LEFT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the left side crew cab door will be tinted privacy dark gray.

RIGHT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the right side crew cab door will be tinted privacy dark gray.

WINDOW COATINGS

All cab and crew cab windows will have solar window film applied. The solar film will block UV rays and excess heat while not impacting the visibility or clarity of the window.

STORAGE COMPARTMENT

Provided under the forward facing crew cab seats will be a transverse compartment.

The compartment will be open top to bottom, with the cab floor removed. The upper section will be 10.71" wide x 13.12" high x 24.25" deep (left side) and 22.00" deep (right side). The top 7.38" of the upper section will be full width (transverse) of the crew cab. The lower section on both sides will be 10.71" wide x 16.50" high x 20.00" deep.

There will be two (2) double pan doors painted to match the cab exterior with a non-locking D-Ring latch, one (1) on each side of the cab with a web strap located towards the top for each exterior door provided as a door stop.

The exterior access will be provided with a polished stainless steel scuffplate on the lower door frame.

There will be no access with no louvers on the forward face of the seat riser.

The compartment interior will be D/A finished.

Compartment Light

two (2) white LED strip lights, one (1) each hinged side of exterior compartment door openings. The lighting will be controlled by an automatic door switch.

WEATHER STRIP

Weather stripping will be provided along the hinge and door edges to protect against road dirt and water getting into the cabinet(s).

Weather stripping will be provided for the two (2) exterior access cabinet(s) located lower exterior compartment on the crew cab.

WEBSITE TAG

A tag will be located on the cab door containing all necessary information to access the Pierce Parts website. The tag will be 2.00" high x 6.00" wide.

HOOD MODIFICATION

The full-width access hood will have an additional spring installed for supporting the hood when open.

INSULATION WITH EXPANDED METAL

All insulation in the cab engine tunnel and under the cab and crew cab floor will use expanded metal to hold the insulation in place.

INSULATION PACKAGE

All insulation utilized in the cab construction shall be provided for extreme climate temperatures. The insulation shall be provided in the following areas:

- Engine tunnel
- Cab and crew cab floors
- Cab and crew cab doors
- Cab roof
- Engine tunnel material covering (if applicable)

COVER

There will be one (1) painted aluminum cover(s) located OVER ENGINE DIAGNOSTICS.

CAB ROOF DRIP RAIL

For enhanced protection from inclement weather, a drip rail will be furnished on the sides of the cab. The drip rail will be constructed of bright polished extruded aluminum, and be bonded to the sides of the cab. The drip rail will extend the full length of the cab roof. The drip rails will also be located under the light brackets welded on the cab roof.

SCREW INSERTS ON CAB DOORS

All removable panels for the cab and crew cab doors will be mounted with inserts. Self tapping screws will not be used.

MOUNTING PLATE ON ENGINE TUNNEL

Equipment installation provisions will be installed on the engine tunnel.

A 0.25" smooth aluminum plate will be bolted to the top surface of the engine tunnel. The plate will be located to the left of the officer and on the rear of the tunnel. It will follow the contour of the engine tunnel and will run the entire length of the engine tunnel. The plate will be spaced off the engine tunnel 1.00" to allow for wire routing below the plate.

The mounting surface will be painted to match the cab interior.

CAB INTERIOR

With safety as the primary objective, the wrap-around style cab instrument panel will be designed with unobstructed visibility to instrumentation. The dash layout will provide the driver with a quick reference to gauges that allows more time to focus on the road.

The center console will be a high impact ABS polymer and will be easily removable.

The passenger side dashboard will be constructed of painted aluminum for durability and low maintenance. For enhanced versatility, the passenger side dash will include a flat working surface.

To provide optional (service friendly) control panels, switches and storage modules, a painted aluminum overhead console will also be provided.

To complete the cab front interior design, painted aluminum modesty panels will be provided under the dash on both sides of the cab. The driver side modesty panel will provide mounting for the battery switch and diagnostic connectors, while the passenger side modesty panel provides a glove box, and ground access to the main electrical distribution panel via quick quarter turn fasteners.

To provide a deluxe automotive interior, the engine tunnel, side walls and rear wall will be covered by a leather grain vinyl that is resistant to oil, grease, and mildew.

The headliner will be installed in both forward and rear cab sections. The headliner panel will be a composition of an aluminum panel covered with a sound barrier and upholstery.

The cab structure will include designated raceways for electrical harness routing from the front of the cab to the rear upper portion of the cab. Raceways will be extruded in the forward door frame, floor, walls and overhead in the area where the walls meet the ceiling. The raceways located in the floor will be covered by aluminum extrusion, while the vertical and overhead raceways will be covered by painted aluminum covers. The raceways will improve harness integrity by providing a continuous harness path that eliminates wire chafing and abrasion associated with exposed wiring or routing through drilled metal holes. Harnesses will be laid in place.

CAB INTERIOR UPHOLSTERY

The cab interior upholstery will be 36 oz dark silver gray vinyl. All cab interior materials will meet FMVSS 302 (flammability of interior materials).

CAB INTERIOR PAINT

The following metal surfaces will be painted black, vinyl textured paint:

- Modesty panel in front of driver
- Vertical surface of dash in front of the officer (not applicable for recessed dash)
- Glove box in front of the officer (if applicable)
- Power distribution in front of the officer
- Rear heater vent panels

The remaining cab interior metal surfaces will be painted fire smoke gray, vinyl texture paint.

CAB FLOOR

The cab and crew cab floor areas will be covered with Polydamp™ acoustical floor mat consisting of a black pyramid rubber facing and closed cell foam decoupler.

The top surface of the material has a series of raised pyramid shapes evenly spaced, which offer a superior grip surface. Additionally, the material has a .25" thick closed cell foam (no water absorption) which offers a sound dampening material for reducing sound levels.

The edges and seams of the flooring will be sealed.

DEFROST/AIR CONDITIONING SYSTEM

A ceiling mounted combination heater, defroster and air conditioning system will be installed in the cab above the engine tunnel area.

Cab Defroster

A 54,000 BTU heater-defroster unit with 690 SCFM of air flow will be provided inside the cab. The heater-defrost will be installed in the forward portion of the cab ceiling. Air outlets will be strategically located in the cab header extrusion per the following:

- One (1) adjustable will be directed towards the left side cab window
- One (1) adjustable will be directed towards the right side cab window
- Six (6) fixed outlets will be directed at the windshield

The defroster will be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at 0 degrees Fahrenheit for 10 hours, and a 2 ounce per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system will meet or exceed SAE J382 requirements.

Cab/Crew Auxiliary Heater

There will be one (1) 31,000 BTU auxiliary heater with 560 SCFM of air flow provided in each outboard rear facing seat risers with a dual scroll blower. An aluminum plenum incorporated into the cab structure used to transfer heat to the forward positions.

Air Conditioning

A 19.10 cubic inch compressor will be installed on the engine.

A roof-mounted condenser with a 78,000 BTU output at 2,400 SCFM that meets and exceeds the performance specification will be installed on the cab roof. The condenser cover to be painted to match the cab roof.

The air conditioning system will be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 75 degrees Fahrenheit at 50 percent relative humidity within 30 minutes. The cooling performance test will be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of 4 hours.

The evaporator unit will be installed in the rear portion of the cab ceiling over the engine tunnel. The evaporator will include one (1) high performance heating core, one (1) high performance cooling core with (1) plenum directed to the front and one (1) plenum directed to the rear of the cab.

The evaporator unit will have a 52,000 BTU at 690 SCFM rating that meets and exceeds the performance specifications.

Adjustable air outlets will be strategically located on the forward plenum cover per the following:

- Four (4) will be directed towards the seating position on the left side of the cab
- Four (4) will be directed towards the seating position on the right side of the cab

Adjustable air outlets will be strategically located on the evaporator cover per the following:

- Five (5) will be directed towards crew cab area

A high efficiency particulate air (HEPA) filter will be included for the system. Access to the filter cover will be hinged with two (2) thumb latches.

The air conditioner refrigerant will be R-134A and will be installed by a certified technician.

Climate Control

An automotive style controller will be provided to control the heat and air conditioning system within the cab. The controller will have three (3) functional knobs for fan speed, temperature, and air flow distribution (front to rear) control.



The system will control the temperature of the cab and crew cab automatically by pushing the center of the fan speed control knob. Rotate the center temperature control knob to set the cab and crew cab temperature.

The AC system will be manually activated by pushing the center of the temperature control knob. Pushing the center of the air flow distribution knob will engage the AC for max defrost, setting the fan speeds to 100 percent and directing all air flow to the overhead forward position.

Gravity Drain Tubes

Two (2) condensate drain tubes will be provided for the air conditioning evaporator. The drip pan will have two (2) drain tubes plumbed separately to allow for the condensate to exit the drip pan. No pumps will be provided.

The drain tubes will terminate under the cab, on the inboard side of the front wheelwells.

COVER, AIR CONDITIONING LINES AND CONNECTIONS

A formed cover will be provided over the air conditioning lines and connections below the condenser. The cover will be constructed of smooth aluminum. The cover will be painted the same color as the air conditioning cover.

DRAIN LINE ROUTING

The drain lines for the Coleman air conditioning condensation will be routed down the side wall next to the rear facing outboard seat and towards the engine tunnel so that it drains near the center of the cab.

TRACER DYE

There will be tracer dye installed in the air conditioning system for leak detection.

BRUSH GUARD

A protective enclosure will be provided around the roof mounted air conditioning unit. The enclosure will provide protection from tree limbs and debris.

The enclosure will be made of aluminum and painted to match the cab exterior.

HEATING AND AIR CONDITIONING

There will be one (1) black, Coleman®-Mach® 8, Roughneck™, 120 volt, low profile air conditioning unit installed on the crew cab roof. The air conditioner will have cooling capacity of 15,000 BTU and heating capacity of 6000 BTU and include a condensate pump and hose to prevent accumulation of condensate on the roof.

Ceiling unit controls will control the air conditioning unit.

The thermostat will be wired battery direct to operate when the battery switch is off.

This unit will be powered from the shoreline inlet.

INTERIOR CAB INSULATION

The walls and roof will be insulated to aid in cooling.

SUN VISORS

Two (2) smoked Lexan™ sun visors will be provided. The sun visors will be located above the windshield with one (1) mounted on each side of the cab.

There will be a black plastic thumb latch provided to help secure each sun visor in the stowed position.

GRAB HANDLE

A black rubber covered grab handle will be mounted on the door post of the driver side and passenger side cab door to assist in entering the cab. The grab handle will be securely mounted to the post area between the door and windshield.

ENGINE COMPARTMENT LIGHTS

There will be one (1) Whelen®, Model 3SC0CDCR, 12 volt DC, 3.00" white LED light(s) with Model 3FLANGEC, chrome flange kit(s) installed under the cab to be used as engine compartment illumination.

These light(s) will be activated automatically when the cab is raised or when the dip stick door is opened.

ACCESS TO ENGINE DIPSTICKS

For access to the engine oil and transmission fluid dipsticks, there will be a door on the engine tunnel, inside the crew cab. The door will be on the rear wall of the engine tunnel, on the vertical surface. The door will be 20.00" wide x 8.25" high and be flush with the wall of the engine tunnel.

The engine oil dipstick will allow for checking only. The transmission dipstick will allow for both checking and filling. An additional port will be provided for filling the engine oil.

The door will have a rubber seal for thermal and acoustic insulation. One (1) Southco C2 chrome flush latch will be provided on the access door.

CAB SAFETY SYSTEM

The cab will be provided with a safety system designed to protect occupants in the event of a side roll or frontal impact, and will include the following:

- A supplemental restraint system (SRS) sensor will be installed on a structural cab member behind the instrument panel. The SRS sensor will perform real time diagnostics of all critical subsystems and will record sensory inputs immediately before and during a side roll or frontal impact event.
- A slave SRS sensor will be installed in the cab to provide capacity for eight (8) crew cab seating positions.
- A fault-indicating light will be provided on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side front air bag will be mounted in the steering wheel and will be designed to protect the head and upper torso of the occupant, when used in combination with the 3-point seat belt.
- A passenger side knee bolster air bag will be mounted in the modesty panel below the dash panel and will be designed to protect the legs of the occupant, when used in combination with the 3-point seat belt.
- Air curtains will be provided in the outboard bolster of outboard seat backs to provide a cushion between occupant and the cab wall.
- Suspension seats will be provided with devices to retract them to the lowest travel position during a side roll or frontal impact event.

- Seat belts will be provided with pre-tensioners to remove slack from the seat belt during a side roll or frontal impact event.

Frontal Impact Protection

The SRS system will provide protection during a frontal or oblique impact event. The system will activate when the vehicle decelerates at a predetermined G force known to cause injury to the occupants. The cab and chassis will have been subjected, via third party test facility, to a crash impact during frontal and oblique impact testing. Testing included all major chassis and cab components such as mounting straps for fuel and air tanks, suspension mounts, front suspension components, rear suspensions components, frame rail cross members, engine and transmission and their mounts, pump house and mounts, frame extensions and body mounts. The testing provided configuration specific information used to optimize the timing for firing the safety restraint system. The sensor will activate the pyrotechnic devices when the correct crash algorithm, wave form, is detected.

The SRS system will deploy the following components in the event of a frontal or oblique impact event:

- Driver side front air bag
- Passenger side knee bolster air bag
- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

Side Roll Protection

The SRS system will provide protection during a fast or slow 90 degree roll to the side, in which the vehicle comes to rest on its side. The system will analyze the vehicle's angle and rate of roll to determine the optimal activation of the advanced occupant restraints.

The SRS system will deploy the following components in the event of a side roll:

- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

SEATING CAPACITY

The seating capacity in the cab will be five (5).

DRIVER SEAT

A Pierce PS6® seat will be provided in the cab for the driver. The seat design will be a cam action type with air suspension. For increased convenience, the seat will include electric controls to adjust the rake (15 degrees), height (1.75" travel) and horizontal (7.00" travel) position. Electric controls will be located below the forward part of the seat cushion. To provide flexibility for multiple driver configurations, the seat will have a reclining back, adjustable from 20 degrees back to 45 degrees forward. Providing for maximum comfort, the seat back will be a high back style with manual lumbar adjustment lever, for lower back support, and will include minimum 7.50" deep side bolster pads for maximum support. The lumbar adjustment lever will be easily located at the lower outboard position of the seat cushion. For

optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control).

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A suspension seat safety system will be included. When activated in the event of a side roll, this system will pretension the seat belt and retract the seat to its lowest travel position.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

OFFICER SEAT

A Pierce PS6® seat will be provided in the cab for the passenger. The seat will be a cam action type with air suspension. For increased convenience, the seat will include a manual control to adjust the horizontal position (6.00" travel). The manual horizontal control will be a towel-bar style located below the forward part of the seat cushion. For optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not belted.

The seat back will be an SCBA back style with 7.5 degree fixed recline angle, and will include minimum 4.50" wide x 7.50" deep side bolster pads for maximum support. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A suspension seat safety system will be included. When activated, this system will pretension the seat belt and then retract the seat to its lowest travel position.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

REAR FACING LEFT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the left side outboard position with interior and exterior access. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 24.00" wide x 40.50" high x 24.00" deep. The interior door will be web netting. The netting is to be made with 1.00" wide nylon material with 2.00" openings. The nylon webbing will be permanently fastened at the top side of the compartment and have spring clip and hook fasteners on the opposite side to secure it. The interior clear door opening will be 19.25" wide x 37.50" high.

The cabinet will include two (2) infinitely adjustable shelves with a 0.75" up-turned lip with a brushed finish.

The cabinet will include no louvers.

The cabinet will also provide exterior access with one (1) double pan door painted to match the cab exterior with a non-locking D-ring latch. A pneumatic stay arm will be provided as a door stop. The clear door opening will 19.75" wide x 37.75" high.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the interior cabinet door opening and one (1) white LED strip light installed on the left side of the interior cabinet door opening. The lights will be controlled by an automatic door switch and a rocker switch on the cabinet exterior.

REAR FACING RIGHT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the right side outboard position. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 21.50" wide x 40.50" high x 21.00" deep. The interior door will be web netting. The netting is to be made with 1.00" wide nylon material with 2.00" openings. The nylon webbing will be permanently fastened at the top side of the cabinet and have spring clip and hook fasteners on the opposite side to secure it. The clear door opening will be 16.75" wide x 37.50" high.

The cabinet will include two (2) infinitely adjustable shelves with a 0.75" up-turned lip with a brushed finish.

The cabinet will include no louvers.

The cabinet will also provide access from outside the cab with one (1) double pan door painted to match the cab exterior with a non-locking D-ring latch. A pneumatic stay arm will be provided as a door stop. The exterior clear door opening will be 16.00" wide x 38.00" high. The door will be located on the side of the cab over the wheelwell.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum, and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the interior cabinet door opening and one (1) white

LED strip light installed on the left side of the interior cabinet door opening. The lights will be controlled by an automatic door switch and rocker switch on the exterior of the cabinet.

FORWARD FACING DRIVER SIDE OUTBOARD SEAT

There will be one (1) forward facing Pierce PS6® foldup seat provided at the driver side outboard position in the crew cab. To provide improved ride comfort, and maximize accessibility to the crew cab, the seat will be provided with 15.00" deep foam cushions, and the seat back will be provided with 90 degree fixed recline angle. To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle, that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The seat will be moved approximately 3.00" inboard from the standard location.

FORWARD FACING CENTER SEAT

There will be one (1) forward facing, Pierce PS6® seat provided at the center position in the crew cab. For optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style with 7.5 degree fixed recline angle, and will include minimum 4.50" wide x 7.50" deep side bolster pads for maximum support. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following feature incorporated into the side roll protection system:

- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

FORWARD FACING PASSENGER SIDE OUTBOARD SEAT

There will be one (1) forward facing Pierce PS6® foldup seat provided at the passenger side outboard position in the crew cab. To provide improved ride comfort, and maximize accessibility to the crew cab, the seat will be provided with 17.00" deep foam cushions, and the seat back will be provided with 0 degree fixed recline angle. To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle, that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The seat will be moved approximately 3.00" inboard from the standard location.

SEAT UPHOLSTERY

All seat upholstery will be black Turnout Tuff material.

AIR BOTTLE HOLDERS

All SCBA type seats in the cab will have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket will include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in the event of an accident, the inertial components within the clamp will constrain the SCBA bottle in the seat and will exceed the NFPA standard of 9G.

There will be a quantity of four (4) SCBA brackets.

SEAT EMBROIDERY

The seats in the cab and crew cab will be provided with custom embroidery. The Fire Department will determine what the embroidery will be by providing pictures at the time of order.

The custom logo will be provided in place of the standard OEM logo.

The embroidery will be provided on five (5) seats.

SEAT BELTS

All seating positions in the cab, crew cab and tiller cab (if applicable) will have red seat belts.

To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length will meet or exceed the current edition of NFPA 1901 and CAN/ULC - S515 standards.

The 3-point shoulder type seat belts will also include the ReadyReach D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.

Any flip up seats will include a 3-point shoulder type belts only.

SHOULDER HARNESS HEIGHT ADJUSTMENT

All seating positions furnished with 3-point shoulder type seat belts will include a height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter.

A total of five (5) seating positions will have the adjustable shoulder harness.

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 14.1.7.4.1 requires a location for helmet storage be provided.

There is no helmet storage on the apparatus as manufactured. The fire department will provide a location for storage of helmets.

CAB DOME LIGHTS

There will be four (4) dual LED dome lights with black bezels provided. Two (2) lights will be mounted above the inside shoulder of the driver and officer and two (2) lights will be installed and located, one (1) on each side of the crew cab.

The color of the LED's will be red and white.

The white LED's will be controlled by the door switches and the lens switch.

The color LED's will be controlled by the lens switch.

In order to ensure exceptional illumination, each white LED dome light will provide a minimum of 10.1 foot-candles (fc) covering an entire 20.00" x 20.00" square seating position when mounted 40.00" above the seat.

ADDITIONAL DOME LIGHTING

There will be one (1) Whelen, Model 60C*EGCS, 6.00" round dual LED dome lights installed in the cab and/or crew cab located over the officer's seat.

The color of the LED's will be red and white.

The white LED's will be controlled by the lens switch and the same switching as the crew cab dome lights.

The color LED's will be controlled by the lens switch and the same switching as the crew cab dome lights.

The light(s) may be load managed when the parking brake is applied.

ENHANCED SOFTWARE FOR CAB AND CREW CAB DOME LIGHTS

The cab and crew cab dome lights will remain on for 10 seconds for improved visibility after the doors are closed.

The dome lights will dim after 10 seconds or immediately if the vehicle's transmission is put into gear.

PORTABLE HAND LIGHTS, PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 9.9.4 requires two portable hand lights mounted in brackets fastened to the apparatus.

The hand lights are not on the apparatus as manufactured. The fire department will provide and mount these hand lights.

CAB INSTRUMENTATION

The cab instrument panel will consist of gauges, an LCD display, telltale indicator lights, alarms, control switches, and a diagnostic panel. The function of instrument panel controls and switches will be identified by a label adjacent to each item. Actuation of the headlight switch will illuminate the labels in low light conditions. Telltale indicator lamps will not be illuminated unless necessary. The cab instruments and controls will be conveniently located within the forward cab section directly forward of the driver. Gauge and switch panels will be designed to be removable for ease of service and low cost of ownership.

Gauges

The gauge panel will include the following ten (10) ivory gauges with chrome bezels to monitor vehicle performance:

- Voltmeter gauge (Volts)
 - Low volts (11.8 VDC)
 - Amber indicator on gauge assembly with alarm
 - High volts (15 VDC)
 - Amber indicator on gauge assembly with alarm
 - Very low volts (11.3 VDC)
 - Amber indicator on gauge assembly with alarm
 - Very high volts (16 VDC)
 - Amber indicator on gauge assembly with alarm
- Tachometer (RPM)
- Speedometer (Primary (outside) MPH, Secondary (inside) Km/H)
- Fuel level gauge (Empty - Full in fractions)
 - Low fuel (1/8 full)
 - Amber indicator on gauge assembly with alarm
 - Very low fuel (1/32) fuel
 - Amber indicator on gauge assembly with alarm
- Engine oil pressure gauge (PSI)
 - Low oil pressure to activate engine warning lights and alarms
 - Red indicator on gauge assembly with alarm
- Front air pressure gauge (PSI)

- Low air pressure to activate warning lights and alarm
 - Red indicator on gauge assembly with alarm
- Rear air pressure gauge (PSI)
 - Low air pressure to activate warning lights and alarm
 - Red indicator on gauge assembly with alarm
- Transmission oil temperature gauge (Fahrenheit)
 - High transmission oil temperature activates warning lights and alarm
 - Amber indicator on gauge assembly with alarm
- Engine coolant temperature gauge (Fahrenheit)
 - High engine temperature activates an engine warning light and alarm
 - Red indicator on gauge assembly with alarm
- Diesel Exhaust Fluid Level Gauge (Empty - Full in fractions)
 - Low fluid (1/8 full)
 - Amber indicator on gauge assembly with alarm

All gauges and gauge indicators will perform prove out at initial power-up to ensure proper performance.

Indicator Lamps

To promote safety, the following telltale indicator lamps will be integral to the gauge assembly and are located above and below the center gauges. The indicator lamps will be "dead-front" design that is only visible when active. The colored indicator lights will have descriptive text or symbols.

The following amber telltale lamps will be present:

- Low coolant
- Trac cntl (traction control) (where applicable)
- Check engine
- Check trans (check transmission)
- Aux brake overheat (Auxiliary brake overheat)
- Air rest (air restriction)
- Caution (triangle symbol)
- Water in fuel
- DPF (engine diesel particulate filter regeneration)
- Trailer ABS (where applicable)
- Wait to start (where applicable)
- HET (engine high exhaust temperature) (where applicable)
- ABS (antilock brake system)
- MIL (engine emissions system malfunction indicator lamp) (where applicable)
- SRS (supplemental restraint system) fault (where applicable)
- DEF (low diesel exhaust fluid level)

The following red telltale lamps will be present:

- Warning (stop sign symbol)

- Seat belt
- Parking brake
- Stop engine
- Rack down

The following green telltale lamps will be provided:

- Left turn
- Right turn
- Battery on

The following blue telltale lamp will be provided:

- High beam

Alarms

Audible steady tone warning alarm: A steady audible tone alarm will be provided whenever a warning message is present.

Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) will be provided whenever a caution message is present without a warning message being present.

Alarm silence: Any active audible alarm will be able to be silenced by holding the ignition switch at the top position for 3 to 5 seconds. For improved safety, silenced audible alarms will intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp will act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition will enable the steady or pulsing tones respectively.

Indicator Lamp and Alarm Prove-Out

Telltale indicators and alarms will perform prove-out at initial power-up to ensure proper performance.

Control Switches

For ease of use, the following controls will be provided immediately adjacent to the cab instrument panel within easy reach of the driver.

Emergency master switch: A molded plastic push button switch with integral indicator lamp will be provided. Pressing the switch will activate emergency response lights and siren control. A green lamp on the switch provides indication that the emergency master mode is active. Pressing the switch again disables the emergency master mode.

Headlight / Parking light switch: A three (3)-position maintained rocker switch will be provided. The first switch position will deactivate all parking lights and the headlights. The second switch position will activate the parking lights. The third switch position will activate the headlights.

Panel backlighting intensity control switch: A three (3)-position momentary rocker switch will be provided. The first switch position decreases the panel backlighting intensity to a minimum level as the switch is held. The second switch position is the default position that does not affect the backlighting

intensity. The third switch position increases the panel backlighting intensity to a maximum level as the switch is held.

The following standard controls will be integral to the gauge assembly and are located below the right hand gauges. All switches have backlit labels for low light applications.

High idle engagement switch: A two (2)-position momentary rocker switch with integral indicator lamp will be provided. The first switch position is the default switch position. The second switch position will activate and deactivate the high idle function when pressed and released. The "Ok To Engage High Idle" indicator lamp must be active for the high idle function to engage. A green indicator lamp integral to the high idle engagement switch will indicate when the high idle function is engaged.

"Ok To Engage High Idle" indicator lamp: A green indicator light will be provided next to the high idle activation switch to indicate that the interlocks have been met to allow high idle engagement.

The following standard controls will be provided adjacent to the cab gauge assembly within easy reach of the driver. All switches will have backlit labels for low light applications.

Ignition switch: A three (3)-position maintained/momentary rocker switch will be provided. The first switch position will deactivate vehicle ignition. The second switch position will activate vehicle ignition. The third momentary position will disable the Command Zone audible alarm if held for 3 to 5 seconds. A green indicator lamp will be activated with vehicle ignition.

Engine start switch: A two (2)-position momentary rocker switch will be provided. The first switch position is the default switch position. The second switch position will activate the vehicle's engine. The switch actuator is designed to prevent accidental activation.

4-way hazard switch: A two (2)-position maintained rocker switch will be provided. The first switch position will deactivate the 4-way hazard switch function. The second switch position will activate the 4-way hazard function. The switch actuator will be red and includes the international 4-way hazard symbol.

Heater, defroster, and air conditioning control panel.

Turn signal arm: A self-canceling turn signal with high beam headlight and windshield wiper/washer controls will be provided. The windshield wiper control will have high, low, and intermittent modes.

Parking brake control: An air actuated push/pull park brake control valve will be provided.

Chassis horn control: Activation of the chassis horn control will be provided through the center of the steering wheel.

Custom Switch Panels

The design of cab instrumentation will allow for emergency lighting and other switches to be placed within easy reach of the operator thus improving safety. There will be positions for up to four (4) switch panels in the overhead console on the driver's side, up to four (4) switch panels in the engine tunnel console facing the driver, up to four (4) switch panels in the overhead console on the officer's side and

up to two (2) switch panels in the engine tunnel console facing the officer. All switches will have backlit labels for low light applications.

Diagnostic Panel

A diagnostic panel will be accessible while standing on the ground and located inside the driver's side door left of the steering column. The diagnostic panel will allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches will allow ABS systems to provide blink codes should a problem exist.

The diagnostic panel will include the following:

- Engine diagnostic port
- Transmission diagnostic port
- ABS diagnostic port
- SRS diagnostic port (where applicable)
- Command Zone USB diagnostic port
- ABS diagnostic switch (blink codes flashed on ABS telltale indicator)
- Diesel particulate filter regeneration switch (where applicable)
- Diesel particulate filter regeneration inhibit switch (where applicable)

Cab LCD Display

A digital four (4)-row by 20-character dot matrix display will be integral to the gauge panel. The display will be capable of showing simple graphical images as well as text. The display will be split into three (3) sections. Each section will have a dedicated function. The upper left section will display the outside ambient temperature.

The upper right section will display, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section will display INFO, CAUTION, and WARNING messages. Text messages will automatically activate to describe the cause of an audible caution or warning alarm. The LCD will be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm will be provided.

"DO NOT MOVE APPARATUS" INDICATOR

A Whelen Model L32LRF red LED indicator beacon, located in the driving compartment, will be illuminated automatically per the current NFPA requirements. The light will be labeled "Do Not Move Apparatus If Light Is On".

The same circuit that activates the Do Not Move Apparatus indicator will activate a pulsing alarm when the parking brake is released.

DO NOT MOVE TRUCK MESSAGES

Messages will be displayed on the Command Zone™, color display located within sight of the driver whenever the Do Not Move Truck light is active. The messages will designate the item or items not in the stowed for vehicle travel position (parking brake released).

The following messages will be displayed (where applicable):

- Do Not Move Truck
- LS CAB DOOR, the left side cab door is open
- LS CAB COMPT DOOR, the left side cab compartment door is open
- LS CREWCAB DOOR, the left side crew cab door is open
- STEP NOT STOWED, pump house step not stowed
- LS TURNTABLE STEP, left side turntable step not stowed
- AERIAL CONTROL DR, aerial override control compartment door is open
- LS6 COMPT DR, the left side LS6 compartment door is open
- LS5 COMPT DR, the left side LS5 compartment door is open
- LS4 COMPT DR, the left side LS4 compartment door is open
- LS3 COMPT DR, the left side LS3 compartment door is open
- LS2 COMPT DR, the left side LS2 compartment door is open
- LS1 COMPT DR, the left side LS1 compartment door is open
- LS AIR BTL COMPT DR, the left side air bottle compartment door is open
- LS BASKET STEP, the left side basket steps not stowed
- STABILIZER CTRL DR, the rear stabilizer control compartment door is open
- STABILIZER DEPLOYED, the stabilizers are not stowed.
- LS CORD REEL DR, the left side cord reel compartment door is open
- RS CORD REEL DR, the right side cord reel compartment door is open
- B1 REAR COMPT DR, the rear B1 compartment door is open
- TURNTBL CTRL CNSL, the turntable control console not stowed.
- RS BASKET STEP, the right side basket steps not stowed
- RS AIR BTL COMPT DR, the right side air bottle compartment door is open.
- RS1 COMPT DR, the right side RS1 compartment door is open
- RS2 COMPT DR, the right side RS2 compartment door is open
- RS3 COMPT DR, the right side RS3 compartment door is open
- RS4 COMPT DR, the right side RS4 compartment door is open
- RS5 COMPT DR, the right side RS5 compartment door is open
- RS6 COMPT DR, the right side RS6 compartment door is open
- RS7 COMPT DR, the right side RS7 compartment door is open
- RS CREWCAB DR, the right side crew cab door is open
- RS CAB COMPT DR, the right side cab compartment door is open
- RS CAB DR, the right side cab door is open

- LT TOWER NOT STOWED, the light tower is not stowed

Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause major damage to the apparatus if the apparatus is moved will be displayed as a caution message after the parking brake is released.

SWITCH PANELS

The emergency light switch panel will have a master switch for ease of use plus individual switches for selective control. Each switch panel will contain eight (8) membrane-type switches each rated for one million (1,000,000) cycles. Panels containing less than eight (8) switch assignments will include non-functioning black appliqué. Documentation will be provided by the manufacturer indicating the rated cycle life of the switches. The switch panel(s) will be located in the overhead position above the windshield on the driver side overhead to allow for easy access.

Additional switch panel(s) will be located in the overhead position(s) above the windshield or in designated locations on the lower instrument panel layout.

The switches will be membrane-type and also act as an integral indicator light. For quick, visual indication the entire surface of the switch will be illuminated white whenever back lighting is activated and illuminated green whenever the switch is active. An active illuminated switch will flash when interlock requirements are not met or device is actively being load managed. For ease of use, a two (2)-ply, scratch resistant laser engraved Gravoply label indicating the use of each switch will be placed in the center of the switch. The label will allow light to pass through the letters for ease of use in low light conditions.

WIPER CONTROL

For simple operation and easy reach, the windshield wiper control will be an integral part of the directional light lever located on the steering column. The wiper control will include high and low wiper speed settings, a one (1)-speed intermittent wiper control and windshield washer switch. The control will have a "return to park" provision, which allows the wipers to return to the stored position when the wipers are not in use.

HOURLY METER - AERIAL DEVICE

The following aerial hour meter messages will be included in the information centers:

- Aerial Hours, that keeps track of the time the aerial device is in motion.
- Aerial PTO Hours, that keeps track of the time the aerial master switch is on and the aerial PTO is engaged.

AERIAL MASTER

There will be a master switch for the aerial operating electrical system provided.

AERIAL PTO SWITCH

A PTO switch for the aerial with indicator light will be provided.

SPARE CIRCUIT

There will be one (1) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the isolated battery
- The negative wire will be connected to ground
- Wires will be protected to 20 amps at 12 volts DC
- Power and ground will terminate Behind panel 9
- Termination will be with 3/8" studs and plastic covers
- Wires will be sized to 125% of the protection

This circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be four (4) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 6 amps at 12 volts DC.
- Power and ground will terminate in the switch panel officers dash, rear of center console for driver, recessed into the rear engine tunnel on each side of the fluid check access door.
- Termination will be a AlfredDireck QC4.0 PD & QC3.0 with the 60W PD USB-C port and 30W Quick Charge 3.0 USB-A port.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is applied.

SPARE CIRCUIT

There will be three (3) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

The positive wire will be connected directly to the battery power.

The negative wire will be connected to ground.

Wires will be protected to 30 amps at 12 volts DC.

Power and ground will terminate In the EMS cabinets on either side. Down low, mounted to the inboard wall of each cabinet and one mounted on the rear wall between the center seat and the r/s crew cab seat, on the tunnel. .

Termination will be to a Blue Sea System, Model 5025, 6 circuit with negative bus bar. The terminal block will include a cover with circuit labels.

Wires will be sized to 125% of the protection.

This circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be nine (9) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power
- The negative wire will be connected to ground
- Wires will be protected to 15 amps at 12 volts DC
- Power and ground will terminate LS1,LS2,LS3,LS4,RS1,RS2,RS3,RS4,RS5
- Termination will be with 3/8" studs and plastic covers
- Wires will be sized to 125 percent of the protection

The circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 15 amps at 12 volts DC.
- Power and ground will terminate one in each side of the transverse cab compartment.
- Termination will be with 3/8" studs and plastic covers.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is set.

DASH PANEL RECESS

The dash panel across from the officer will be recessed to accommodate the mounting of miscellaneous items. The recess will be 7.25" down x 7.81" back and 20.88" wide.

RADIO, AM/FM/WB/USB/BT

There will be one (1) Aptiv, Heavy-Duty, AM/FM/WB with front panel USB port, integrated Blue Tooth.

FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic* - up to 10 devices can be easily stored in the radio memory for fast pairing) - FRONT PANEL USB PORT- gives a direct connect location for memory devices w/ USB interface, to play stored music and/or charge the device and have iPod® control through the radio - Back-lit Display Lighting - GREEN - PA Function (PA Microphone & Cable sold separately

The stereo radio will be mounted per switch panel layout.

The quantity and location of the speakers will be one (1) pair of 5.25" speakers in the cab and one (1) pair of 5.25" speakers in the crew cab.

The type and location of the antenna will be a roof-mounted rubber antenna located as far to the front and centered side to side as possible, on the lower portion of the cab roof.

SWITCH, MASTER, AM/FM RADIO

There will be a remote switch provided inside the cab to control the AM/FM radio. The switch will be installed on/off at driver side panel and officer panel. The radio will automatically turn on with when the battery switch is turned on.

INFORMATION CENTER

An information center employing a 7.00" diagonal touch screen color LCD display will be encased in an ABS plastic housing.

The information center will have the following specifications:

- Operate in temperatures from -40 to 185 degrees Fahrenheit
- An Optical Gel will be placed between the LCD and protective lens
- Five weather resistant user interface switches
- Grey with black accents
- Sunlight Readable
- Linux operating system
- Minimum of 1000nits rated display
- Display can be changed to an available foreign language
- A LCD display integral to the cab gauge panel will be included as outlined in the cab instrumentation area.
- Programmed to read US Customary

General Screen Design

Where possible, background colors will be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background will be used.

If a caution or warning situation arises the following will occur:

- An amber background/text color will indicate a caution condition
- A red background/text color will indicate a warning condition
- The information center will utilize an "Alert Center" to display text messages for audible alarm tones. The text messages will be written to identify the item(s) causing the audible alarm to sound. If more than one (1) text message occurs, the messages will cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" will change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color will be shown for all alert center messages.
- A label for each button will exist. The label will indicate the function for each active button for each screen. Buttons that are not utilized on specific screens will have a button label with no text or symbol.

Home/Transit Screen

This screen will display the following:

- Vehicle Mitigation (if equipped)
- Water Level (if the water level system includes compatible communications to the information center)
- Foam Level (if the foam level system includes compatible communications to the information center)
- Seat Belt Monitoring Screen Seat Belt Monitoring Screen
- Tire Pressure Monitoring (if equipped)
- Digital Speedometer
- Active Alarms

On Scene Screen

This screen will display the following and will be auto activated with pump engaged (if equipped):

- Battery Voltage
- Fuel
- Oil Pressure
- Coolant Temperature
- RPM
- Water Level (if equipped)
- Foam Level (if equipped)
- Foam Concentration (if equipped)
- Water Flow Rate (if equipped)
- Water Used (if equipped)
- Active Alarms

Virtual Buttons

There will be four (4) virtual switch panel screens that match the overhead and lower lighting and HVAC switch panels.

Page Screen

The page screen will display the following and allow the user to progress into other screens for further functionality:

- Diagnostics
 - Faults
 - Listed by order of occurrence
 - Allows to sort by system
 - Interlock
 - Throttle Interlocks
 - Pump Interlocks (if equipped)
 - Aerial Interlocks (if equipped)
 - PTO Interlocks (if equipped)

- Load Manager
 - A list of items to be load managed will be provided. The list will provide a description of the load.
 - The lower the priority numbers the earlier the device will be shed should a low voltage condition occur.
 - The screen will indicate if a load has been shed (disabled) or not shed.
 - "At a glance" color features are utilized on this screen.
- Systems
 - Command Zone
 - Module type and ID number
 - Module Version
 - Input or output number
 - Circuit number connected to that input or output
 - Status of the input or output
 - Power and Constant Current module diagnostic information
 - Foam (if equipped)
 - Pressure Controller (if equipped)
 - Generator Frequency (if equipped)
- Live Data
 - General Truck Data
- Maintenance
 - Engine oil and filter
 - Transmission oil and filter
 - Pump oil (if equipped)
 - Foam (if equipped)
 - Aerial (if equipped)
- Setup
 - Clock Setup
 - Date & Time
 - 12 or 24 hour format
 - Set time and date
 - Backlight
 - Daytime
 - Night time
 - Sensitivity
 - Unit Selection
 - Home Screen
 - Virtual Button Setup
 - On Scene Screen Setup
 - Configure Video Mode
 - Set Video Contrast
 - Set Video Color
 - Set Video Tint
- Do Not Move

- The screen will indicate the approximate location and type of item that is open or is not stowed for travel. The actual status of the following devices will be indicated
 - Driver Side Cab Door
 - Passenger's Side Cab Door
 - Driver Side Crew Cab Door
 - Passenger's Side Crew Cab Door
 - Driver Side Body Doors
 - Passenger's Side Body Doors
 - Rear Body Door(s)
 - Ladder Rack (if applicable)
 - Deck Gun (if applicable)
 - Light Tower (if applicable)
 - Hatch Door (if applicable)
 - Stabilizers (if applicable)
 - Steps (if applicable)
- Notifications
 - View Active Alarms
 - Shows a list of all active alarms including date and time of the occurrence is shown with each alarm
 - Silence Alarms - All alarms are silenced
- Timer Screen
- HVAC (if equipped)
- Tire Information (if equipped)
- Ascendant Set Up Confirmation (if equipped)

Button functions and button labels may change with each screen.

COLLISION MITIGATION

There will be a HAAS Alert®, Model HA5 Responder-to-Vehicle (R2V) collision avoidance system provided on the apparatus. The HA5 cellular transponder module will be installed behind the cab windshield, as high and near to the center as practical, to allow clear visibility to the sky. The module dimensions are 5.40" long x 2.70" wide x 1.30" high, and operating temperature range is -40 degree C to 85 degree C.

The transponder will be connected to the vehicle's emergency master circuit and battery direct power and ground.

While responding with emergency lights on, the HA5 transponder sends alert messages via cellular network to motorists in the vicinity of the responding truck that are equipped with the WAZE app.

While on scene with emergency lights on, the HA5 transponder sends road hazard alerts to motorists in the vicinity of the truck that are equipped with the WAZE app.

The HA5 Responder-to-Vehicle (R2V) collision avoidance system will include the transponder and a 5 year cellular plan subscription.

Activation of the HAAS Alert system requires a representative of the customer to accept the End User License Agreement (EULA) via an on-line portal.

VEHICLE DATA RECORDER

There will be a vehicle data recorder (VDR) capable of reading and storing vehicle information provided.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A USB cable can be used to connect the VDR to a laptop to retrieve required information. The program to download the information from the VDR will be available to download on-line.

The vehicle data recorder will be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle
- ABS Event - On/Off
- Seat Occupied Status - Yes/No by Position
- Seat Belt Buckled Status - Yes/No by Position
- Master Optical Warning Device Switch - On/Off
- Time - 24 Hour Time
- Date - Year/Month/Day

Seat Belt Monitoring System

A seat belt monitoring system (SBMS) will be provided on the Command Zone™ color display and in the center overhead of the cab instrument panel. The SBMS will be capable of monitoring up to 10 seating positions indicating the status of each seat position per the following:

- Seat Occupied & Buckled = Green LED indicator illuminated
- Seat Occupied & Unbuckled = Red LED indicator with audible alarm
- No Occupant & Buckled = Red LED indicator with audible alarm
- No Occupant & Unbuckled = No indicator and no alarm

The seat belt monitoring screen will become active on the Command Zone color display when:

- The home screen is active:
 - and there is any occupant seated but not buckled or any belt buckled with an occupant.
 - and there are no other Do Not Move Apparatus conditions present. As soon as all Do Not Move Apparatus conditions are cleared, the SBMS will be activated.

The SBMS will include an audible alarm that will warn that an unbuckled occupant condition exists and the parking brake is released, or the transmission is not in park.

INTERCOM SYSTEM

A five (5) position David Clark, Model U3800, intercom system with single radio interface capability at the driver and officer positions will be provided. Three (3) crew cab positions, 2 adjacent seats at three (3) forward facing seats will have radio listen / intercom only.

The following components will be supplied with this system:

- One (1) U3805 Radio Cord Junction Module
- One (1) U3815 Radio Interface Module (Driver)
- One (1) U3811 Radio Interface Module (Officer)
- One (1) U3800 Intercom Unit (2 Crew)
- One (1) C3820 Power Cable
- One (1) U3801 Remote Headset Station (1 Crew)
- All necessary station cables and connectors

RADIO / INTERCOM INTERFACE INCLUDED

All radio interfaced stations will have universal radio interfaces installed. The interface wiring will be routed within the cab to tbd .

OVER THE HEAD HEADSET

There will be five (5) over the head, headset(s) provided one at each seated position.

Each David Clark, Model H3432, headset will feature:

- 5' Coiled cord
- Noise cancelling electric microphone
- Flexible microphone boom rotates 200 degrees for left or right dress
- Microphone on/off button
- Comfort Gel Earseals
- 23 dB noise reduction

**HEADSET HANGERS**

There will be five (5) headset hanger(s) installed driver's seat, officer's seat, driver's side outboard forward facing seat, passenger's side outboard forward facing seat and rear, center, forward facing seat. The hanger(s) will meet NFPA 1901, Section 14.1.11, requirement for equipment mounting.

BRACKET, JOHNNY RAY

There will be one (1) Johnny Ray, radio swivel bracket rated for 7 lbs. and will be provided and installed center overhead.

RADIO ANTENNA MOUNT

There will be two (2) standard 1.125", 18 thread antenna-mounting base(s) installed on the right side on the cab roof with high efficiency, low loss, coaxial



cable(s) routed to the overhead switch area. A weatherproof cap will be installed on the mount.

VEHICLE VIDEO SYSTEM

A video camera system will be provided with the following color cameras with built in microphone:

- One (1) inside, front of cab, facing forward, record only.
- One (1) inside, front of cab, facing rearward, record only.
- The color of the two (2) cameras will be black.
- One (1) at the rear of the apparatus, displayed automatically with transmission in reverse

All cameras will record to an four (4) channel hybrid mobile digital video recorder (HVR) located Mount on the back side of the DS rear facing EMS cabinet with a 32 Gigabit SD card and GPS tracking. All HVR programming will be the responsibility of the end user.

The rear camera image will be displayed in the cab on the driver's vehicle information center display. Audio from the rear camera will be not provided.

The following Safety Vision components will be supplied:

- One (1) 4401-HVR-32GKIT
- One (1) 41-2.8-WT forward facing camera
- One (1) 41-2.8MIR-WT interior facing camera
- One (1) SV-630A Kit rear camera
- All necessary cables, splitters

VEHICLE CAMERA GUARDS

There will be two (2) smooth, tapered aluminum guard(s) fastened over the cab / body camera(s) located driver & officer side. The guards will be painted to match the surface they are attached to.

REAR CAMERA LOCATION

The rear camera will be located Under ledge at rear of apparatus above B1 to match print .

VEHICLE CAMERA GUARD

There will be one (1) aluminum treadplate guard(s) fastened over the vehicle camera(s) located over B1 .

ELECTRICAL POWER CONTROL SYSTEM

The primary power distribution will be located forward of the officer's seating position and be easily accessible while standing on the ground for simplified maintenance and troubleshooting. Additional electrical distribution centers will be provided throughout the vehicle to house the vehicle's electrical power, circuit protection, and control components. The electrical distribution centers will be located strategically throughout the vehicle to minimize wire length. For ease of maintenance, all electrical distribution centers will be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays will be easily accessible.

Distribution centers located throughout the vehicle will contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership.

Circuit protection devices, which conform to SAE standards, will be utilized to protect electrical circuits. All circuit protection devices will be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers will be Type-I automatic reset (continuously resetting). When required, automotive type fuses will be utilized to protect electronic equipment. Control relays and solenoid will have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

Solid-State Control System

A solid-state electronics based control system will be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network will consist of electronic modules, electronic control modules to include black housings, a power indicator and status indicator located near their point of use to reduce harness lengths and improve reliability. The control system will comply with SAE J1939-11 recommended practices.

The control system will operate as a master-slave system whereas the main control module instructs all other system components. The system will contain patented Mission Critical software that maintains critical vehicle operations in the unlikely event of a main controller error. The system will utilize a Real Time Operating System (RTOS) fully compliant with OSEK/VDX™ specifications providing a lower cost of ownership.

For increased reliability and simplified use the control system modules will include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic
- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field programmable to accommodate changes to the vehicle's operating parameters

To assure long life and operation in a broad range of environmental conditions, the solid-state control system modules will meet the following specifications:

- Module circuit board will meet SAE J771 specifications
- Operating temperature from -40C to +70C
- Storage temperature from -40C to +70C
- Vibration to 50g

IP67 rated enclosure (Totally protected against dust and also protected against the effect of temporary immersion between 15 centimeters and one (1) meter)

Operating voltage from eight (8) volts to 32 volts DC

The main controller will activate status indicators and audible alarms designed to provide warning of problems before they become critical.

Circuit Protection and Control Diagram

Copies of all job-specific, computer network input and output (I/O) connections will be provided with each chassis. The sheets will indicate the function of each module connection point, circuit protection information (where applicable), wire numbers, wire colors and load management information.

On-Board Electrical System Diagnostics

The on-board information center will include the following diagnostic information:

- Text description of active warning or caution alarms
- Simplified warning indicators
- Amber caution indication with intermittent alarm
- Red warning indication with steady tone alarm

Advanced diagnostic feature will be provided in this control system. From the Command Zone display or connected wireless device, these features allow the user to monitor the real-time status of every input or output on the vehicle. It also allows users logged in as an administrator to force on inputs or outputs to assist the troubleshooting process.

TCU Module with WiFi

An in cab module will provide WiFi wireless interface and data logging capability. The WiFi interface will comply with IEEE 802.11 b/g/n capabilities while communicating at 2.4 Gigahertz. The module will communicate through a black WiFi antenna allowing a line of site communication range of up to 300 feet with a roof mounted antenna.

The module will transmit a password protected web page to a WiFi enabled device (i.e. most smart phones, tablets or laptops) allowing two levels of user interaction. The firefighter level will allow vehicle monitoring of the vehicle and firefighting systems on the apparatus. The technician level will allow diagnostic access to inputs and outputs installed on the Command Zone™, control and information system.

The TCU capability will record faults from the engine, transmission, ABS and Command Zone™, control and information systems as they occur. No other data will be recorded at the time the fault occurs. The data TCU will provide up to 2 Gigabytes of data storage.

The TCU will provide a means to download the TCU information and update software in the device.

Indicator Light and Alarm Prove-Out System

A system will be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.

Voltage Monitor System

A voltage monitoring system will be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system will provide visual and audible warning when the system voltage is below or above optimum levels.

The alarm will activate if the system falls below 11.8 volts DC for more than two (2) minutes.

Dedicated Radio Equipment Connection Points

There will be three (3) studs provided in the primary power distribution center located in front of the officer for two-way radio equipment. The studs will consist of the following:

- 12-volt 40-amp battery switched power
- 12-volt 60-amp ignition switched power
- 12-volt 60-amp direct battery power

There will also be a 12-volt 100-amp ground stud located in or adjacent to the power distribution center.

EMI/RFI Protection

To prevent erroneous signals from crosstalk contamination and interference, the electrical system will meet, at a minimum, SAE J551/2, thus reducing undesired electromagnetic and radio frequency emissions. An advanced electrical system will be used to ensure radiated and conducted electromagnetic interference (EMI) or radio frequency interference (RFI) emissions are suppressed at their source.

The apparatus will have the ability to operate in the electromagnetic environment typically found in fire ground operations to ensure clean operations. The electrical system will meet, without exceptions, electromagnetic susceptibility conforming to SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter. The vehicle OEM, upon request, will provide EMC testing reports from testing conducted on an entire apparatus and will certify that the vehicle meets SAE J551/2 and SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter requirements. Component and partial (incomplete) vehicle testing is not adequate as overall vehicle design can impact test results and thus is not acceptable by itself.

EMI/RFI susceptibility will be controlled by applying appropriate circuit designs and shielding. The electrical system will be designed for full compatibility with low-level control signals and high-powered two-way radio communication systems. Harness and cable routing will be given careful attention to minimize the potential for conducting and radiated EMI/RFI susceptibility.

ELECTRICAL SYSTEM PROGNOSTICS

There will be a software based vehicle tool provided to predict remaining life of the vehicles critical fluid and events.

The system will send automatic indications to the Command Zone™ information center and/or wireless enabled devices to proactively alert of upcoming service intervals.

Prognostics will include the following:

- Engine oil and filter
- Transmission oil and filter

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers will be provided which conform to SAE Standards. Wiring will be color, function and number coded. Function and number codes will be continuously imprinted on all wiring harness conductors at 2.00" intervals. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment will be installed utilizing the following guidelines:

1. All holes made in the roof will be caulked with silicon. Large fender washers, liberally caulked, will be used when fastening equipment to the underside of the cab roof.
2. Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area will be defined as any location outside of the cab or body.
3. Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire will be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.
4. Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).
5. All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas will have silicon applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests will be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

Six (6) 12 volt, Deka, Model 1231MF, maintenance free group 31 batteries that include the following features, each, will be provided:

- 1000 CCA (cold cranking amps)
- 185 reserve capacity
- High cycle

- Ref. CA of 1190 at 0 degrees Fahrenheit
- 185 reserve capacity
- Threaded studs

BATTERY SYSTEM

There will be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.

MASTER BATTERY SWITCH

There will be a master battery switch provided within the cab within easy reach of the driver to activate the battery system.

An indicator light will be provided on the instrument panel to notify the driver of the status of the battery system.

BATTERY COMPARTMENTS

The batteries will be stored in well-ventilated compartments that are located under the cab and bolted directly to the chassis frame. The battery compartments will be constructed of 3/16" steel plate and be designed to accommodate a maximum of three (3) group 31 batteries in each compartment. The compartments will include formed fit heavy-duty roto-molded polyethylene battery tray inserts with drains on each side of the frame rails. The batteries will be mounted inside of the roto-molded trays.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color-coded covers will be installed on the battery box on the driver's side. This will allow enough room for easy jumper cable access.

POWER CONVERTER / BATTERY CHARGER

There will be one (1) Progressive Dynamics, Inc., Model PD2180, power converter/battery charger provided.

This battery charger includes three (3) separate 12 volt DC outputs for a total output of 80 amps.

Battery charger will be located in the front left compartment over the stabilizer.

KUSSMAUL AUTO EJECT FOR SHORELINE

There will be two (2) Kussmaul™, Model 091-55-20-120, 20 amp 120 volt AC shoreline inlet(s) provided to operate the dedicated 120 volt AC circuits on the apparatus.

The shoreline inlet(s) will include red and blue weatherproof flip up cover(s).

The shorelines will be connected one to the 120v outlets, and one to the Coleman A/C.

There will be a release solenoid wired to the vehicle's starter to eject the AC connector when the engine is starting.

There will be a mating connector body supplied with the loose equipment.

There will be a label installed near the inlet(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

The shoreline receptacle will be located on the driver and passenger side exterior of cab, behind crew cab door.

BATTERY ON INDICATOR

The center cab marker light will be connected to the master battery switch to indicate when the master battery switch is in the "on" position.

INDICATOR, BATTERY STATUS

There will be one (1) Kussmaul, Model 091-189-12, battery status indicator panel provided and located above the shoreline plug on the driver side to the rear of the crew door.

The indicator reads battery voltage and indicates the condition of the batteries.

BATTERY CHARGE INDICATOR

There will be a Kussmaul, Model 091-94-12, battery charge indicator installed forward of the drivers door.



ALTERNATOR

A Delco Remy®, Model 55SI, alternator will be provided. It will have a rated output current of 430 amps, as measured by SAE method J56. The alternator will feature an integral regulator and rectifier system that has been tested and qualified to an ambient temperature of 257 degrees Fahrenheit (125 degrees Celsius). The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

GUARD

There will be an aluminum cover installed around the relays/solenoids and fuses located in the frame rail to help deflect water and steam.

The air dryer line will be secured to the cover with a rubber coated clamp.

ELECTRICAL REQUIREMENTS

All electrical components will be mounted above the frame rails. Nothing should be hanging below the frame rails.

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system will be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components will not be allowed.

The system will include the following features:

- System voltage monitoring.
- A shed load will remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.
- Priority levels can be set for individual outputs.
- High Idle to activate before any electric loads are shed and deactivate with the service brake.
 - If enabled:
 - "Load Man Hi-Idle On" will display on the information center.
 - Hi-Idle will not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center, where applicable, includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
 - ON = not shed
 - SHED = shed

SEQUENCER

A sequencer will be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges. This sequencer operation will allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

For improved reliability and ease of use, the load sequencing system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load sequencing tasks. Load sequencing systems which require additional components will not be allowed.

Emergency light sequencing will operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights will be activated one by one at half-second intervals. Sequenced emergency light switch indicators will flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer will deactivate the warning light loads in the reverse order.

Sequencing of the following items will also occur, in conjunction with the ignition switch, at half-second intervals:

- Cab Heater and Air Conditioning
- Crew Cab Heater (if applicable)

- Crew Cab Air Conditioning (if applicable)
- Exhaust Fans (if applicable)
- Third Evaporator (if applicable)

HEADLIGHTS

There will be a HiViz part number FT-4X6-4KIT, that includes four (4) 4.00" high x 6.00" long rectangular LED lights with parking lamp illumination around the outside of the lamps mounted in the front quad style housings on each side of the cab grille:

- the outside lamp on each side will contain a part number FT-4X6-HL with low beam LEDs
- the inside lamp on each side will contain a part number FT-4X6-H with high beam LEDs
- the lights will be controlled through the headlight switch

The headlight housing and headlight trim to be painted black.

DIRECTIONAL LIGHTS

There will be two (2) Whelen 600® series, LED combination directional/marker lights provided with black flanges. The lights will be located on the outside cab corners, next to the headlights.

The color of the lenses will be clear.

ADDITIONAL DIRECTIONAL LIGHT

There will be two (2) Whelen®, Model M62T*, amber LED directional lights provided back of the cab.. The lens color(s) to be the same as the LEDs.

Each light will be surface mounted with black trim.

The flash pattern of the directional lights will be Sequence (80 FPM) to Solid.

INTERMEDIATE LIGHT

There will be two (2) Weldon, Model 9186-8580-29, amber LED turn signal marker lights furnished, one (1) each side, in the rear fender panel. The light will double as a turn signal and marker light.

CAB CLEARANCE/MARKER/ID LIGHTS

There will be two (2) Whelen® Model 0SA00MCR, 1.00" high x 1.50" wide x 0.50" deep clearance lights with amber LEDs, clear lenses and chrome housings provided to indicate the presence and overall length of the vehicle in the following locations:

- One (1) light installed on the left side, side of the apparatus as high and close to the front as practical.
- One (1) light installed on the right side, side of the apparatus as high and close to the front as practical.

All other forward facing clearance lights will be included with the visor scene light.

REAR CLEARANCE/MARKER/ID LIGHTING

There will be three (3) Whelen®, Model 0SR00MCR, LED lights with a chrome flange used as identification lights located at the rear of the apparatus per the following:

- As close as practical to the vertical centerline
- Centers spaced not less than 6.00" or more than 12.00" apart
- Red in color
- All at the same height

There will be two (2) Whelen, Model 0SR00MCR, LED lights with a chrome flange installed at the rear of the apparatus used as clearance lights located at the rear of the apparatus per the following:

- To indicate the overall width of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the rear
- All at the same height

There will be two (2) Whelen, Model 0SR00MCR, LED lights with a chrome flange installed on the side of the apparatus as marker lights as close to the rear as practical per the following:

- To indicate the overall length of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the side
- All at the same height

There will be two (2) red reflectors located on the rear of the truck facing to the rear. One (1) each side, as far to the outside as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

There will be two (2) red reflectors located on the side of the truck facing to the side. One (1) each side, as far to the rear as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

Per FMVSS 108 and CMVSS 108 requirements.

MARKER LIGHTS

There will be one (1) pair of amber and red LED marker lights with rubber arm, located at the rear most lower corner of the body. The amber lens will face the front and the red lens will face the rear of the truck.

These lights will be activated with the running lights of the vehicle.

REAR FMVSS LIGHTING

The rear stop/tail and directional lighting included in the rear tail light housing will include the following:

- Two (2) Whelen®, Model M62BTT, 4.30" high x 6.70" wide x 1.40" deep brake/tail lights with red LEDs

- Two (2) Whelen, Model M62T, 4.30" high x 6.70" wide x 1.40" deep directional lights with amber LEDs. The directional lights will be set to Sequence (80 FPM) to Solid flash pattern.
- The lens color(s) to be the same as the LEDs.

There will be two (2) Whelen Model M6BUW, LED backup lights provided in the tail light housing.

LICENSE PLATE BRACKET

One (1) license plate bracket constructed of stainless steel will be provided and located License plate holder to be mounted mid-level on rear of body and outboard to allow for mounting cones on the rear tailboard..

One (1) white LED light with black housing will be provided to illuminate the license plate. A stainless steel light shield will be provided over the light that will direct illumination downward, preventing white light to the rear.

LIGHTING BEZEL

There will be two (2) Whelen®, four (4) place black housings provided for the rear M6 series stop/tail, directional, back up, scene lights or warning lights.

BACK-UP ALARM

A PRECO, Model 1040, solid-state electronic audible back-up alarm that actuates when the truck is shifted into reverse will be provided. The device will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum ten (10) dBA above surrounding environmental noise levels.

CAB PERIMETER SCENE LIGHTS

There will be four (4) Amdor white LED strip lights provided, one (1) for each cab door and crew cab door.

- Two (2) Amdor, Model AY-LB-12HW020, 350 lumens each, 20.00" LED strip lights, one (1) for each cab door.
- Two (2) Amdor, Model AY-LB-12HW012, 190 lumens each, 12.00" LED strip lights, one (1) for each crew cab door.

These lights will be activated automatically when the battery switch is on and the exit doors are opened or by the same means as the body perimeter scene lights.

PUMP HOUSE PERIMETER LIGHTS

There will be one (1) Amdor, Model AY-LB-12HW020, 350 lumens, 20.00" LED weatherproof strip light with bracket provided under the passenger's side pump panel running board.

If the combination of options in the vehicle does not permit clearance for a 20.00" light, a 12.00" version of the Amdor light will be installed.

The light will be activated when the battery switch is on, and controlled by the same means as the body perimeter lights.

BODY PERIMETER SCENE LIGHTS

There will be three (3) Amdor®, Model AY-LB-12HW012, 190 lumen, 12.00" long, white 12 volt DC LED strip lights provided.

The lights will be mounted in the following locations.

- One (1) light will be provided under the left side turntable access steps
- One (1) light will be provided under the left side basket access steps
- One (1) light will be provided under the right side basket access steps

The perimeter scene lights will be activated when the parking brake is applied, either directional light is activated, activating all side facing perimeter lights and the reverse signal activated, activating all the side facing perimeter lights.

ADDITIONAL PERIMETER LIGHTS

There will be six (6) Amdor® Model AY-LB-12HW020, 350 lumens, 20.00" long, with white LED's installed with one (1) light under each side of the front bumper spaced evenly, one (1) light under compartment LS1, one (1) light under compartment RS1, one (1) light under compartment LS4 and one (1) light under compartment RS4.

With the chassis battery switch energized, the lights will be activated by the same means as the body perimeter lights.

ENHANCED SOFTWARE FOR PERIMETER LIGHTS

All perimeter lights and scene lights will be deactivated when the parking brake is released.

The cab and crew cab perimeter lights will dim after 10 seconds or immediately if the vehicle's transmission is put into gear.

STEP ILLUMINATION

The running board(s) under the pump panel(s) will be illuminated by the lights included in the overhead pump panel light shield.

Additional steps on the apparatus will be illuminated per the current edition of NFPA 1901.

12 VOLT LIGHTING

There will be a HiViz Model FT-BG2S-R275C-80-*, 3.90" high x 80.00" long 70,281 raw lumens 12 volt DC light with white and amber LEDs provided and mounted on the cab roof front brow.

The painted parts to be black.

There will be five (5) amber LEDs designated identification and clearance in positions 1, 7, 10, 13, and 19 from left to right. There will be nineteen (19) white LEDs for flood/scene/spot in all positions left to right.

The warning LEDs will be amber.

The LEDs will be controlled by the supplier based control system.

- The amber identification and clearance LEDs will be controlled by the head light switch.

The white and amber warning LEDs may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be one (1) HiViz®, Model FT-BG2S-R2-34-*, 34" long, 12 volt DC light assembly with white LEDs installed on the left side of the cab roof radius Centered above cab LS.

The painted parts to be black.

The light(s) will be controlled through the supplier based control system.

In addition to the above controls, the respective light(s) will activate the flood/scene when a left side cab or crew door is opened.

The warning lights will be amber.

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be one (1) HiViz®, Model FT-BG2S-R2-34-*, 34" long, 12 volt DC light assembly with white LEDs installed on the right side of the cab roof radius Centered above cab, RS.

The painted parts to be black.

The light(s) will be controlled through the supplier based control system.

In addition to the above controls, the respective light(s) will activate the flood/scene when a left side cab or crew door is opened.

The warning lights will be amber.

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be two (2), HiViz Model FT-BG2SR-T90-34-*, 3.54" high x 33.46" long x 4.61" deep, eight (8) module light assembly installed on the left side of the apparatus located, LS body front and rear.

The painted parts of the light housing and brackets to be black.

The LEDs will be controlled per the following:

- No control of the flood and scene LEDs.
- No control of the spot LEDs.
- No control to reduce intensity of the illumination LEDs.
- No control of the left traffic directing LEDs.
- No control of the right traffic directing LEDs.
- No control of the center out LEDs.
- No control of the warning LEDs.

- No control of the warning LEDs.
- No control to reduce intensity of the warning LEDs.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

The warning LEDs will be red.

12 VOLT LIGHTING

There will be two (2), HiViz Model FT-BG2SR-T90-34-*, 3.54" high x 33.46" long x 4.61" deep, eight (8) module light assembly installed on the right side of the apparatus located, RS body front and rear.

The painted parts of the light housing and brackets to be black.

The LEDs will be controlled per the following:

- No control of the flood and scene LEDs.
- No control of the spot LEDs.
- No control to reduce intensity of the illumination LEDs.
- No control of the left traffic directing LEDs.
- No control of the right traffic directing LEDs.
- No control of the center out LEDs.
- No control of the warning LEDs.
- No control of the warning LEDs.
- No control to reduce intensity of the warning LEDs.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

The warning LEDs will be red.

12 VOLT LIGHTING

There will be one (1) HiViz Model FT-BG2S-T90-72-*, 17 module 12 volt DC light assembly with white and amber LEDs installed on the apparatus, located on the rear of the body. There will be a FT-BG2S-SAC-001 ECU installed to control the assembly.

The painted parts to be black.

The LEDs will be controlled through the supplier based control system.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

HOSE BED LIGHTS

There will be 12 volt DC light strips with stainless steel protective covers and white LEDs provided to illuminate the hose bed area per the following:

- A light strip will be installed along the front edge of the hose bed facing rearward.
- A light strip will be installed under the boom support facing forward.

The lights will be activated by a stainless steel cup switch located at the rear no more than 72.00" from the ground.

WALKING SURFACE LIGHT

There will be two (2) Model P25 12 volt DC LED lights with black housing provided to illuminate the top of body walking surface. These LED lights will be located on the rear facing surface of the upper portion of the body to illuminate the walking surface to the platform basket.

There will be one (1) Amdor®, Model AY-LB-12HW020, 350 lumen, 20" long, white 12 volt DC LED strip light located on the tower cradle, facing the rear of the body, to illuminate the walking area directly behind the tower cradle.

These lights will be activated when "Aerial Master" is on.

RADIO CUT OUT SWITCH

An on/off switch will be provided on the officer's side for the AM/FM radio. The switch will allow the officer to disable the AM/FM radio when it is necessary to hear other communications.

RADIO CUT OUT SWITCH

An on/off switch will be provided on the driver's side for the AM/FM radio. The switch will allow the driver to disable the AM/FM radio when it is necessary to hear other communications.

WATER TANK

The water tank will have a capacity of 300 gallons and will be constructed of UV stabilized ultra high impact polypropylene plastic.

The joints and seams will be nitrogen welded inside and out.

The tank will be baffled in accordance with the current edition of NFPA 1901 requirements.

The baffles will have vent openings at both the top and bottom of each baffle to permit movement of air and water between compartments.

The longitudinal partitions will be constructed of 0.38" polypropylene plastic and extend from the bottom of the tank through the top cover to allow positive welding.

The transverse partitions extend from 4.00" off the bottom to the underside of the top cover.

All partitions interlock and will be welded to the tank bottom and sides.

The tank top will be constructed of 0.50" polypropylene.

It will be recessed 0.38" and will be welded to the tank sides and the longitudinal partitions.

It will be supported to keep it rigid during fast filling conditions.

Construction will include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions.

Two (2) of the dowels will be drilled and tapped (0.50" diameter, 13.00" deep) to accommodate lifting eyes.

A sump will be provided at the bottom of the water tank. The sump will include a drain plug and the tank outlet.

Tank will be installed on top of the torque box with the use of two (2) brackets constructed of structural steel. The torque box will resist transferring any torsional stress caused by the chassis frame flexing to the water tank.

Rubber cushions, 0.50" thick x 3.00" wide, will be placed on all horizontal surfaces that the tank rests on.

Stops will be provided to prevent an empty tank from bouncing excessively while moving vehicle.

Tank mounting system will be approved by the manufacturer.

Fill tower will be constructed of .50" polypropylene and will be a minimum of 6.00" wide x 12.00" long.

Fill tower will be furnished with a .25" thick polypropylene screen and a hinged cover.

An overflow pipe, constructed of 3.00" schedule 40 polypropylene, will be installed approximately halfway down the fill tower and extend through the water tank and exit to the rear of the rear axle.

HOSE BED

The hose bed will be fabricated of 0.125" 5052-H32 aluminum with a tensile strength range of 31,000 to 38,000 psi.

The hose bed will be located between the aerial boom support and water tank.

There will be a hose chute to the side and rear of the hose bed on the right side to allow for payout/removal of the hose.

The hose bed flooring will consist of removable aluminum grating with a top surface that is perforated to aid in hose aeration.

The hose bed/cargo area walls will be unpainted and dual action finished.

Hose capacity will be a minimum of 800 feet of 5.00" large diameter hose.

AERIAL HOSE BED HOSE RESTRAINT

The hose in the hose bed will be restrained as follows:

- The hose bed forward of the aerial boom support and in the upper body area will be restrained by a red vinyl cover with Velcro® securing all four (4) sides.
- The hose bed chute located under the aerial basket will be restrained by an aluminum treadplate cover and guide plate at the transition point of the upper hose bed to the lower hose chute. The cover will hinge to the inside to allow ease of access to the hose.

- The rear of the hose bed chute will be restrained with black webbing that will have 1.00" web straps that loop through footman loops and fasten with spring clip and hook fasteners.

RUNNING BOARDS

The running boards will be fabricated of 0.125" bright aluminum treadplate and supported by structural steel angle assemblies bolted to the chassis frame rails.

Running boards will be 13.00" deep and are spaced away from the body 0.50".

A splash guard will be provided to keep road dirt or water from splashing up onto the pump panels.

The running boards will have a riser on the body to protect the painted surface from damage by stepping on the running boards.

The entire surface of the running boards will be covered with bright aluminum treadplate.

TURNTABLE STEPS

Access to the turntable will be provided by a set of swing-down steps on the left side of the truck. The bottom step shall be a flip down, stirrup step. The bottom step will have a step height not exceeding 24.00" from the ground to the top surface of the step at any time. All steps will have a height no greater than 14.00" from top surface to top surface.

The access steps will be located just behind the front body and in front of the middle stabilizer.

The swing down step assembly will be constructed of D/A finished aluminum with bright aluminum treadplate steps. The steps shall have Morton Cass inserts.

The stepwell will be lined with smooth aluminum.

A Hansen illuminated black anodized handrail with e-coated and black powder coated stanchions will be provided on the left side of the access steps. The end stanchions will be provided by Hansen. The lights will be activated by the same means as the cab handrail light controls. The light will be red.

Holes will be provided in each side step plate for hand holds.

The steps will be connected to the "Do Not Move Truck" indicator in the cab.

STEP LIGHTS

There will be three (3) white P25 LED step lights with chrome housing provided for the aerial turntable access steps.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

The step lights will be activated by when the parking brake is applied.

SMOOTH ALUMINUM REAR WALL

The rear wall will be smooth aluminum.

TOW EYES

Two (2) rear painted tow eyes will be located at the rear of the apparatus and will be mounted directly to the frame rails. The inner and outer edges of the tow eyes will be radiused.

COMPARTMENTATION

Compartmentation will be fabricated of 0.125" 5052 aluminum.

Side compartments will be an integral assembly with the rear fenders.

Circular fender liners will be provided. For prevention of rust pockets and ease of maintenance, the fender liners will be formed from aluminum and removable for maintenance.

Compartment flooring will be of the sweep out design with the floor higher than the compartment door lip.

Drip protection will be provided above the doors by means of bright aluminum extrusion, formed bright aluminum treadplate or polished stainless steel.

The top of the compartment will be covered with bright aluminum treadplate rolled over the edges on the front, rear and outward side. These covers will have the corners welded.

Side compartment covers will be separate from the compartment tops.

All screws and bolts, which are not Grade 8, will be stainless steel and where they protrude into a compartment will have acorn nuts on the ends to prevent injury.

UNDERBODY SUPPORT SYSTEM

The backbone of the body support system will begin with the aerial torque box which is the strongest component of the apparatus and is designed for sustaining maximum loads.

An aluminum body structure will be mounted to the aerial torque box at four (4) points using neoprene elastomer isolators. The front mounts will attach from structural steel brackets on the sides of the torque box to a structural tube on the body. The rear mounts will attach structural members on the rear body to the top of the rear down rigger mounting structure.

The combination of the elastomer isolators and the body structure design allow the chassis and torque box to flex without driving loads into the body.

The compartment floor support design will result in an 800 lb equipment support rating per lower compartment, and a 500 lb equipment support rating for the upper, over the axle compartments.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas will comply with the required average slip resistance of the current NFPA standards.

LOUVERS

All body compartments will be vented to provide one (1) way airflow out of the compartment that prevents water and dirt from gaining access to the compartment.

TESTING OF BODY DESIGN

Body structural analysis will be fully tested. Proven engineering and test techniques such as finite element analysis, model analysis, and strain gauging have been performed with special attention given to fatigue, life and structural integrity of the body and substructure.

The body will be tested while loaded to its greatest in-service weight.

The criteria used during the testing procedure will include:

- Raising opposite corners of the vehicle tires 9.00" to simulate the twisting a truck may experience when driving over a curb.
- Making a 90 degree turn, while driving at 20 mph to simulate aggressive driving conditions.
- Driving the vehicle on at 35 mph on a washboard road.
- Driving the vehicle at 55 mph on a smooth road.
- Accelerating the vehicle fully, until reaching the approximate speed of 45 mph on rough pavement.

LEFT SIDE COMPARTMENTATION

The override door forward of the stabilizer will include a pair of SouthCo C2 black raised trigger lever latches.

A full height double door compartment ahead of the rear wheels will be approximately 29.13" wide x 28.25" high x 27.13" deep inside with a clear door opening of approximately 25.13" wide x 26.37" high.

One (1) liftup door compartment above the fender compartments and over the rear axles will be provided. The compartment will be approximately 84.00" wide x 22.13" high x 27.13" deep inside with a clear door opening of approximately 81.25" wide x 19.13" high.

A full height rollup door compartment behind the rear wheels will be 41.25" wide x 47.00" high (floor to false ceiling) x 27.13" deep. The minimum clear door opening will be approximately 38.50" wide x 47.00" high.

One (1) rollup door compartment behind the rear stabilizer will be provided. The compartment will be approximately 18.13" wide x 38.63" high (floor to false ceiling) x 27.13" deep inside with a minimum clear door opening of approximately 15.50" wide x 38.87" high.

Roll-up door compartments will include a drip pan below the roll of the door.

RIGHT SIDE COMPARTMENTATION

A full height single lap door compartment ahead of the front stabilizer will be provided. The compartment will be approximately 18.38" wide x 35.25" high x 9.91" deep inside with a clear door opening of approximately 15.00" wide x 33.37" high.

A full height double door compartment ahead of the rear wheels will be approximately 29.13" wide x 28.25" high x 27.13" deep inside with a clear door opening of approximately 25.13" wide x 26.37" high.

One (1) liftup door compartment above the fender compartments and over the rear axles will be provided. The compartment will be approximately 59.00" wide x 22.13" high x 15.75" deep inside with a clear door opening of approximately 56.25" wide x 19.13" high.

A full height rollup door compartment behind the rear wheels will be approximately 41.25" wide x 47.00" high (floor to false ceiling). It will be 27.13" deep in the lower 41.50" of compartment height and 15.75" deep in the remaining upper portion. The minimum clear door opening will be approximately 38.50" wide x 47.00" high.

One (1) rollup door compartment behind the rear stabilizer will be approximately 18.13" wide x 38.63" high (floor to false ceiling) x 27.13" deep inside with a minimum clear door opening of approximately 15.50" wide x 38.87" high.

Roll-up door compartments will include a drip pan below the roll of the door.

SIDE COMPARTMENT ROLL-UP DOOR(S)

There will be five (5) compartment doors installed on the side compartments, double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by AMDOR™ brand roll-up doors.

Door(s) will be constructed using 1.00" extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The second will serve as a wiping seal which will also allow for compression to prevent water ingress.

The doors will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

Bottom panel flange of roll-up door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A stainless steel lift bar to be provided for opening the door and located at the bottom of each door with latches on the outer extrusion of the door frame. A ledge to be supplied over lift bar for additional area to aid in closing the door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded roll-up door wear components will be constructed of Type 6 nylon.

Each roll-up door will have a 3.00 inch diameter balancer/tensioner drum to assist in lifting the door.

The header for the roll-up door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

REAR BUMPER

A 3.00" rear bumper will be furnished. Bumper will be constructed of steel with the top, sides and rear covered with smooth aluminum that will be painted #101 black. The bumper will be 2.50" deep x 4.00" high and will be spaced away from the body approximately 0.50". The corners of the bumper will be angled at 45 degrees to be flush with the angled rear body. It will extend the full width of the body.

DOOR FRAME SCUFFPLATE

The Two (2) scuffplates will be provided for the lower door frame(s) LS3/RS3. Each scuffplate will be brushed stainless steel with a .38" lip down.

ROLL-UP DOOR TRIM

The exterior of the aluminum trim around the door opening will be painted to match the color of the applicable door.

There will be four (4) compartments located all side doors with the trim painted.

ROLL-UP DOOR TRIM

The exterior of the aluminum trim around the door opening will be painted to match the color of the applicable door.

There will be one (1) compartments located B1 with the trim painted.

COMPARTMENT LIGHTING

There will be ten (10) compartment(s) with two (2) white 12 volt DC LED compartment light strips. The dual light strips will be centered vertically along each side of the door framing. There will be two (2) light strips per compartment. The dual light strips will be in all body compartment(s).

Any remaining compartments without light strips will have a 6.00" diameter Truck-Lite, Model: 79384 light. Each light will have a number 1076 one filament, two wire bulb.

Opening the compartment door will automatically turn the compartment lighting on.

CARGO/DUNNAGE AREA LIGHTING

There will be two (2), 12 volt DC strips lights with white LEDs and stainless steel protective cover, provided to illuminate the cargo area.

- One (1) light strip will be installed the entire length of the left side of the cargo area.
- One (1) light strip will be installed the entire length of the right side of the cargo area.

The light(s) will be activated by the same control(s) as the light shield lights.

MOUNTING TRACKS

There will be recessed tracks installed vertically to support the adjustable shelf(s).

Tracks will not protrude into any compartment in order to provide the greatest compartment space and widest shelves possible.

The tracks will be provided in each compartment except for the one that contains the pump operator's panel.

ADJUSTABLE SHELVES

There will be four (4) shelves with a capacity of 500 lb provided.

The shelf construction will consist of .188" aluminum painted spatter gray with 2.00" sides.

Each shelf will be infinitely adjustable by means of a threaded fastener, which slides in a track.

The shelves will be held in place by .12" thick stamped plated brackets and bolts.

The location(s) will be in RS3 centered between the floor and the ceiling, in RS4 centered between the floor and the ceiling, in RS5 centered between the floor and the ceiling and in LS3 centered between the floor and ceiling.

SLIDE-OUT ADJUSTABLE HEIGHT TRAY

There will be four (4) slide-out trays provided.

Each tray will have 2.00" high sides and a capacity rating of up to 500 lb in the extended position.

Each tray will be mounted on a pair of side mounted slides. The slide mechanisms will have ball bearings for ease of operation and years of dependable service. The slides will be mounted to shelf tracks to allow the tray to be adjustable up and down within the designated mounting location.

An automatic lock will be provided for both the in and out tray positions. The lock trip mechanism will be located at the front of the tray and will be easily operated with a gloved hand.

The tray(s) will be located 3 in LS1, spaced evenly, and one in RS2, upper third.

SLIDE-OUT ADJUSTABLE HEIGHT TRAY

There will be one (1) slide-out tray provided.

Each tray will have 6.00" high sides and a minimum capacity rating of 250 lb in the extended position. Each tray will be finished to match the compartment interior.

Each tray will be mounted on a pair of side mounted slides. The slide mechanisms will have ball bearings for ease of operation and years of dependable service. The slides will be mounted to shelf tracks to allow the tray to be adjustable up and down within the designated mounting location.

An automatic lock will be provided for both the in and out tray positions. The lock trip mechanism will be located at the front of the tray and will be easily operated with a gloved hand.

The tray(s) will be located LS4, with enough room below for a 25' roll of 5" and a 25' roll of 3" hose.

SLIDE-OUT FLOOR MOUNTED TRAY

There will be four (4) floor mounted slide-out tray with 2.00" sides provided LS2, RS2, RS1, RS4. Each tray will be rated for up to 500lb in the extended position. The tray(s) will be constructed of .19" aluminum with non-welded corners. The finish will be painted to match compartment interior.

The tray(s) will be designed for maximum compartment width and depth.

Slides will be equipped with ball bearings for ease of operation and years of dependable service. The slides will be located on the sides of the tray so that the tray can be located as close to the compartment floor as possible.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

TOOL BOARD

An aluminum tool board will be provided.

It will be a minimum of .188" thick with .203" diameter diameter holes in a pegboard pattern with 1.00" centers between holes.

A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the board.

The board will be installed on adjustable tracks on a slide out tray. The tracks will allow side to side adjustment. The board will be as high as space permits and full length of the tray. The tray is not included in this option.

There will be Two (2) toolboard(s) provided. The toolboard(s) will be spatter gray painted and installed LS2, RS1.

HORIZONTAL PARTITION

One (1) partition, horizontally mounted and bolted or welded in place, will be installed LS3, to allow room for Little Giant ladder.

VERTICAL COMPARTMENT PARTITION

One (1) partition will be bolted in LS3. Each partition will be rearward to support max. width (60") slide-out tilt tray vertical height of the compartment. Each partition will be painted spatter gray.

MOUNTING, TRAFFIC CONES

Mounting will be provided for customer supplied traffic cones. The cones will be mounted tbd at final. Mounting will consist of a tray open at the rear with vertical fins to support the cones. The dimension of the peg shall be 18.00" long .

TURNTABLE STEP ACCESS PANEL

The access panel door in the left side turntable step well will be secured with a SouthCo C2 black raised trigger lever latch.

PEGBOARD

There will be 3/16" thick aluminum pegboard spatter gray painted installed on the back wall of one (1) compartments. It will be mounted using two (2) horizontal tracks. Retainers will be used to mount the pegboard to the tracks. The holes will be .203" diameter , punched 1.00" on center. The pegboard will be located in the RS1 and mounted full height of compartment.

PEGBOARD

There will be 3/16" thick aluminum pegboard installed on the two (2) side wall(s) of compartments RS1 . The pegboard will be mounted using two (2) horizontal tracks. Retainers will be used to mount the pegboard to the tracks. The holes will be .203" diameter, punched 1.00" on center. The pegboard will be spatter gray painted. The pegboard will be mounted match the pegboard on the rear wall within the compartment(s).

PEGBOARD

There will be 3/16" thick aluminum pegboard spatter gray painted will be installed on the back wall of one (1) compartments. It will be mounted using two (2) horizontal tracks. Retainers will be used to mount the pegboard to the tracks. The pegboard(s) installed will be on the upper standard depth section of the compartment. The holes will be .203" diameter, punched 1.00" on center. Pegboard will be provided in the following compartments: RS3.

AIR BAG STORAGE

There will be a rack installed for storing six (6) air bags in the LS2 compartment.

The rack will be fabricated from painted spatter gray .125" aluminum, painted to match the compartment interior. The fire department will provide exact sizes of air bags prior to construction. The size of the air bags will be TBD.

There will be storage provided for the air bag controller under the rack. The size of the controller will be TBD.

RUB RAIL

The bottom edge of the side compartments will be trimmed with a black 1.00" thick x 3.00" high UHMW plastic rub rail. There will be 0.50" rubber spacers included between the rub rail and the body.

Rub rails will be fastened to the sides of the body with 0.50" stainless bolts and washers.

Rub rails will be tapered on each end of the body and at the wheel cutout area for a more pleasing appearance.

The rub rails will not be an integral part of the body construction, which allows replacement in the event of damage.

BODY FENDER CROWNS

Stainless steel fender crowns will be provided around the rear wheel openings. The crowns will be painted #101 black.

avoid paint chipping. The liners will be removable to aid in the maintenance of rear suspension components.

A dielectric barrier will be provided between the fender crown fasteners (screws) and the fender sheet metal to prevent corrosion.

The fender crowns will be held in place with stainless steel screws that thread directly into a composite nut and not directly into the parent body sheet metal to eliminate dissimilar metals contact and greatly reduce the chance for corrosion.

HARD SUCTION HOSE

Hard suction hose will not be required.

HANDRAILS

The handrails will be Hansen LED backlit black anodized knurled aluminum. The handrails will be lit with a red LED light. The handrails will be activated by the same means as the cab handrail light controls.

E-coated and black powder coated end stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

Drain holes will be provided in the bottom of all vertically mounted handrails.

Handrails will be provided to meet NFPA 1901 section 15.8 requirements. The handrails will be installed as noted on the sales drawing.

A step shall be provided below the right side runningboard.

THREE AIR BOTTLE/EXTINGUISHER STORAGE COMPARTMENT

A total of one (1) air bottle compartment will be provided and located on the right side centered between the tandem rear wheels. The compartment will consist of individual bins each designed to hold an air bottles or extinguishers with a maximum diameter of 8.00" and a maximum depth of 26.00".

Each compartment will hold three (3), two (2) stored next to each other in the top area, and one (1) stored centered below. Each bin will be separated by a partition.

A drain hole and black Dura-Surf friction reducing material will be provided on the floor of each compartment. A lift up with pneumatic spring with a pair of Southco raised trigger C2 chrome lever latches will be provided for each compartment. The door will be painted stainless steel. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

COMPARTMENT STRAP

Straps will be provided in the compartment(s) to help contain the equipment. The straps will wrap around the neck of each and attach to the wall of the compartment.

STORAGE COMPARTMENT

A total of one (1) air bottle compartment will be provided and located on the left side centered between the tandem rear wheels. The compartment will be designed to hold equipment with a maximum depth of 26.00". The compartment will be one (1) large compartment with no divider or partitions.

A drain hole and black Dura-Surf friction reducing material will be provided on the floor of each compartment. A lift up with pneumatic spring with pair of Southco raised trigger C2 chrome lever latches will be provided for each compartment. The door will be painted stainless steel. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

COMPARTMENT STRAP

A strap will be provided in the compartment(s) to help contain the equipment.

AIR BOTTLE STORAGE

A total of two (2) air bottle compartments will be provided and located on the left side rearward of the rear wheels. The triangular door shall cover the air bottle opening and the fuel tank access. and on the right side rearward of the rear wheels. The triangular door shall cover the air bottle opening and fuel tank access.. The air bottle compartment will be a minimum of 15.00" wide x 7.50" tall x 26.00" deep. A painted stainless steel, triangular shaped door with a Southco raised trigger C2 chrome lever latch will be provided. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black Dura-Surf friction reducing material, "W" shaped insert formed of composite materials and strap to contain the air bottles will be provided.

AIR BOTTLE STORAGE (SINGLE)

A quantity of one (1) air bottle compartment, approximately 7.50" wide x 7.50" tall x 26.00" deep, will be provided on the right side forward of the rear wheels. The compartment will be square with angled corners. A painted stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

AIR BOTTLE STORAGE (SINGLE)

A quantity of one (1) air bottle compartment, 7.62" wide x 7.75" high x 26.00" deep, will be provided on the left side forward of the rear wheels. The compartment will be square with angled corners. A triangular, painted stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle and also cover the DEF tank opening. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

AIR BOTTLE COMPARTMENT STRAP

Straps will be provided in the air bottle compartment(s) to help contain the air bottles. The straps will wrap around the neck of each bottle and attach to the wall of the compartment.

AIR BOTTLE COMPARTMENT DOOR RESTRAINT

The all air bottle compartments air bottle compartment doors will include a cable to prevent the door from hitting another surface. There will be four (4) cables installed.

EXTENSION LADDER

There will be two (2) 35' two (2) section aluminum Duo-Safety Series 1200-A extension ladder(s) provided.

AERIAL EXTENSION LADDERS

There will be two (2) 28' two (2) section aluminum Duo-Safety Series 1200-A extension ladder(s) provided and located in the aerial torque box.

ROOF LADDER

There will be one (1) 16' aluminum, Duo-Safety, Series 875-DR roof ladder(s) provided. The ladder(s) will have hooks on both ends.

ADDED ROOF LADDER

There will be one (1) 20' aluminum, Duo-Safety, Series 875-DR roof ladder(s) provided.

AERIAL FOLDING LADDER

There will be two (2) 10' aluminum Duo-Safety Series 585-A folding ladder(s) provided and located in the aerial torque box.

GROUND LADDER STORAGE

The ground ladders are stored within the torque box and are removable from the rear.

Ladders will be enclosed to prevent road dirt and debris from fouling or damaging the ladders.

The ladders rest in full length stainless steel slides and are arranged in such a manner that any one ladder can be removed without having to move or remove any other ladder.

A Gortite rollup door will be provided at the rear, double faced, aluminum construction, and painted one (1) color to match the lower portion of the body. A polished stainless steel lift bar to be provided for the rear roll-up door. The latching mechanism will consist of a full length lift bar lock with latches on the outer extrusion of the door frame.

A stainless plate with a 2-bend flange and a stainless steel hinge will be provided to secure the aerial ladder complement. The plate assembly will be mounted to the bottom of the entrance of the torque box ladder storage area.

When the plate is vertical, it will secure the ladders and prevent them from migrating to the rear of the apparatus. When the plate is down and not securing the ladders, the rollup door can not close, which will activate the "Open Door Indicator Light" within the cab. The hinged plate will have a positive latching feature that will secure the plate in the vertical position.

Compartment Storage

Below the ground ladder storage will be a water resistant storage compartment with interior measurements of 36.75" wide x 14.88" high x 19.75" deep. The compartment will have a single pan, drop down door with a pair of Southco raised trigger C2 black powder coated latches. The compartment and door material will match body interior. The opening will be 32.38" wide x 11.75" high.

LADDER STORAGE LIGHTING

There will be 36.00" white 12 volt DC LED strip lights provided to illuminate the torque box ladder storage area and the compartment directly below the ladder storage. One (1) light will be provided on each side of the ladder storage area.

The lights will be activated when the ladder storage compartment door is opened.

DURA-SURF LADDER SLIDES

Black Dura-Surf friction reducing material will be added to the stainless steel slides, on the bottom horizontal surfaces, of the ladder storage rack.

NESTED LADDER STORAGE

There will be nested ladders on the right side of the ladder storage compartment.

NESTED LADDER STORAGE

There will be nested ladders on the left side of the ladder storage compartment. The ladders will be nested so that one ladder can be removed without removing the adjoining ladder.

12' PIKE POLES

There will be one (1) Fire Hooks Unlimited Model RH-12' New York Roof Hook with a fiberglass shaft and pry end provided. The pike pole(s) will be stored in tubular holders located in the ground ladder storage compartment.

8' PIKE POLE

There will be two (2) Fire Hooks Unlimited, New York Hook , 8' long roof hook with steel shaft and chisel (pry) end provided torque box.

6 FT PIKE POLE

There will be two (2) Fire Hooks Unlimited NY roof hook RH-6, 6 foot pike pole(s) with steel handles and pry end provided torque box.

PIKE POLE PROVIDED BY FIRE DEPARTMENT

There will be one (1) 3' pike pole(s) provided by the fire department. The pike pole(s) will be a Duo-Safety 3' Pike Pole.

ADDITIONAL PIKE POLE

There will be one (1) Fire Hooks Unlimited, Model RH-10, 10' long pike pole(s) with steel handle and pry end provided.

- one (1) 10 foot Nupla Ventilation Hook(s): Fiberglass w/"D" handle

PIKE POLE STORAGE IN TORQUE BOX/LADDER STORAGE

There will be aluminum tubing provided in the torque box/ladder storage area for a total of six (6) pike poles. The pike pole tube(s) will be notched to allow a New York style pike pole to fit in the tube.

If the head of a pike pole can come into contact with a painted surface, a stainless steel scuffplate will be provided.

FILTER LABEL

A label will be provided in the cab that lists all the filters used on the apparatus. The label will include the part number for each filter.

INDICATOR LAMP LABEL

There will be a label provided on the cab door panel, driver's door. The label will provide brief descriptive text for each indicator lamp that may become visible in the driver side gauge cluster. The symbols on the label will match the symbols on the gauge cluster.

PUMP COMPARTMENT

The pump compartment will be separate from the hose body and compartments so that each may flex independently of the other. The pump compartment will be constructed of the same material as the body compartmentation.

The pump compartment substructure will be a fabricated assembly of steel tubing, angles and channels which supports both the fire pump and the side running boards.

The pump compartment will be mounted on the chassis frame rails with rubber biscuits in a four point pattern to allow for chassis frame twist.

Pump compartment, pump, plumbing and gauge panels will be removable from the chassis in a single assembly.

PUMP MOUNTING

Pump will be mounted to a substructure which will be mounted to the chassis frame rail using rubber isolators. The mounting will allow chassis frame rails to flex independently without damage to the fire pump.

LEFT SIDE PUMP CONTROL PANELS

All pump controls and gauges will be located at the left side of the apparatus and properly identified.

Layout of the pump control panel will be ergonomically efficient and systematically organized.

The pump operator's control panel will be removable in two (2) main sections for ease of maintenance:

The upper section will contain sub panels for the mounting of the pump pressure control device, engine monitoring gauges, electrical switches, and foam controls (if applicable). Sub panels will be removable from the face of the pump panel for ease of maintenance. Below the sub panels will be located all valve controls and line pressure gauges.

The lower section of the panel will contain all inlets, outlets, and drains.

All push/pull valve controls will have 1/4 turn locking control rods with polished chrome plated zinc tee handles. Guides for the push/pull control rods will be chrome plated zinc castings securely mounted to the pump panel. Push/pull valve controls will be capable of locking in any position. The control rods will pull straight out of the panel and will be equipped with universal joints to eliminate binding. The linkage from the control rod to the valve will be stainless steel, this will not include the clevis ends of the linkage which will remain anodized steel.

IDENTIFICATION TAGS

The identification tag for each valve control will be recessed in the face of the tee handle.

All discharge outlets will have color coded identification tags, with each discharge having its own unique color. Color coding will include the labeling of the outlet and the drain for each corresponding discharge.

All line pressure gauges will be mounted directly above the corresponding discharge control tee handles and recessed within the same chrome plated casting as the rod guide for quick identification. The gauge and rod guide casting will be removable from the face of the pump panel for ease of maintenance. The casting will be color coded to correspond with the discharge identification tag.

All remaining identification tags will be mounted on the pump panel in chrome plated bezels.

Trim rings will be installed around all inlets and outlets.

MIDSHIP FIRE PUMP

Midship fire pump will be a Waterous S100, 2000 gpm single (1) stage midship mounted centrifugal type.

Pump will be the class "A" type.

Pump will deliver the percentage of rated discharges at the pressures indicated below:

- 100% of rated capacity at 150 psi net pump pressure.
- 100% of rated capacity at 165 psi net pump pressure.
- 70% of rated capacity at 200 psi net pump pressure.
- 50% of rated capacity at 250 psi net pump pressure.

Entire pump and both suction and discharge passages will be hydrostatically tested to a pressure of 600 psi (40.8 bar).

Pump will be fully tested at the pump manufacturer's factory to the performance requirements outlined in the current NFPA 1901 standards and will be free from objectionable pulsation and vibration.

Pump body and related parts will be of fine grain, alloy cast iron with a minimum tensile strength of 30,000 psi (2041.2 bar).

All moving parts in contact with water will be of high quality bronze or stainless steel.

MECHANICAL SEAL ON PUMP

Pump will be equipped with a self-adjusting, maintenance-free, mechanical shaft seal.

The mechanical seal will consist of a flat, highly polished, spring fed carbon ring that rotates with the impeller shaft. The carbon ring will press against a highly polished stainless steel stationary ring that is sealed within the pump body.

In addition, a throttling ring will be pressed into the steel chamber cover, providing a very small clearance around the rotating shaft in the event of a mechanical seal failure. The pump performance will not deteriorate, nor will the pump lose prime, while drafting if the seal fails during pump operation.

Wear rings will be bronze and easily replaceable to restore original pump efficiency and eliminate the need to replace the entire pump casing due to wear.

PUMP TRANSMISSION

Pump transmission will be made of a three (3) piece, high tensile aluminum, horizontally split casing. Power transfer to pump will be through a passive lubricated, Morse HY-VO drive chain.

Drive shafts will be a minimum of 2.35" diameter hardened and ground alloy steel. All shafts will be ball bearing supported. The case will be designed as to eliminate the need for water cooling.

PUMPING MODE

An interlock system will be provided to ensure that the pump drive system components are properly engaged so that the apparatus can be safely operated. The interlock system will be designed to allow stationary pumping only.

AIR PUMP SHIFT

Pump shift engagement will be made by a two (2) position sliding collar, actuated pneumatically (by air pressure), with a three (3) position air control switch located in the cab. A manual back-up shift control will also be located on the left side pump panel.

Two (2) indicator lights will be provided adjacent to the pump shift inside the cab. One (1) green light will indicate the pump shift has been completed and be labeled "pump engaged". The second green light will indicate when the pump has been engaged, and that the chassis transmission is in pump gear. This indicator light will be labeled "OK to pump".

The pump shift will be interlocked to prevent the pump from being shifted out of gear when the chassis transmission is in gear to meet NFPA requirements.

The pump shift control in the cab will be illuminated to meet NFPA requirements.

TRANSMISSION LOCK-UP

The direct gear transmission lock-up for the fire pump operation will engage automatically when the pump shift control in the cab is activated.

AUXILIARY COOLING SYSTEM

A supplementary heat exchange cooling system will be provided to allow the use of water from the discharge side of the pump for cooling the engine water. The heat exchanger will be a separate unit. It will be installed in the pump or engine compartment with the control located on the pump operator's control panel. The exchanger will be plumbed to the master drain valve.

INTAKE RELIEF VALVE

One (1) Trident Air Max intake relief valve(s) will be installed on the suction side of the pump preset at 125 psig.

The relief valve will have a working range of 50 PSI to 350 PSI.

The outlet will terminate below the frame rails with a 2.50" National Standard hose thread adapter and will have a "do not cap" warning tag.

One (1) adjustable air regulator and pressure indicating gauge will be located on a common bezel on the left side pump panel to control the intake valve(s).

PRESSURE CONTROLLER

A Fire Research Pump Boss Model PBA400 pressure governor will be provided.

A pressure transducer will be installed in the water discharge manifold on the pump.

A pressure transducer will be installed in the inlet manifold on the pump

The display panel will be located at the pump operator's panel.

PRIMING PUMP

The priming pump will be a Trident Emergency Products compressed air powered, high efficiency, multistage venturi based AirPrime System, conforming to standards outlined in the current edition of NFPA 1901.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction.

One (1) priming control will open the priming valve and start the pump primer.

THERMAL RELIEF VALVE

A Waterous Overheat Protection Manager (OPM) will be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump when the temperature of the pump water exceeds 140 Degrees F (60 C) and a red warning light that is triggered when the water in the pump reaches 180 F (82 C).

The warning light will act as an additional protection device if the temperature in the pump keeps rising after the valve opens. The warning light and audible alarm with a test switch will be mounted on the pump operator panel.

The discharge line will be plumbed to ground near pump operator's panel.

THERMAL RELIEF VALVE

A Hale TRV120-L thermal protection device will be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump when the temperature of the pump water exceeds 120 Degrees F (49 C).

The thermal protection device will include a red warning light and audible alarm. The warning light with a test switch will be mounted on the pump operator panel.

The discharge line will be 3/8 inch diameter tubing plumbed to ground near pump operator's panel.

PUMP MANUALS

There will be a total of two (2) pump manuals provided by the pump manufacturer and furnished with the apparatus. The manuals will be provided by the pump manufacturer in the form of two (2) electronic copies. Each manual will cover pump operation, maintenance, and parts.

PLUMBING, STAINLESS STEEL AND HOSE

All inlet and outlet lines will be plumbed with either stainless steel pipe, flexible polypropylene tubing or synthetic rubber hose reinforced with hi-tensile polyester braid. All hose's will be equipped with brass or stainless steel couplings. All stainless steel hard plumbing will be a minimum of a schedule 10 wall thickness.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping will be equipped with victaulic or rubber couplings.

Plumbing manifold bodies will be ductile cast iron or stainless steel.

All piping lines are to be drained through a master drain valve or will be equipped with individual drain valves. All drain lines will be extended with a hose to drain below the chassis frame.

All water carrying gauge lines will be of flexible polypropylene tubing.

All piping, hose and fittings will have a minimum of a 500 PSI hydrodynamic pressure rating.

MAIN PUMP INLETS

Two (2) 6.00" pump inlets will be provided. One (1) on the left side and One (1) on the right side of the vehicle.

The suction inlets will include removable zinc screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.

SHORT SUCTION TUBE(S)

The suction tube(s) on the water pump will have short suction tube(s) installed to allow for installation of adapters, elbows or intake valves without excessive overhang.

INLET VALVES WITH INTAKE RELIEF VALVE

There will be Two (2) Akron Brass Revolution 7982 (30 degree swivel inlet) manually operated aluminum ball intake valve(s) provided both sides .

The inlet connection will be 5.0" Storz swivel with a cap and the outlet connection will be 6.0" FNST swivel long handle .

A 12.5" diameter handwheel will be included to operate valve open and close functions. A position indicator will be included to indicate position of the ball.

The ball intake valve will be equipped with an adjustable pressure relief valve. The relief valve will have a working range of 50 PSI to 250 PSI.

A 3/4" bleeder/drain valve will be provided on the ball intake valve to exhaust excess air or water from the valve.

The Intake Valve will be constructed of lightweight, corrosion-resistant, hard-anodized aluminum and stainless steel. To protect against corrosion, the casting will be coated with a powder coat finish and all components on the wet side of the valve will be constructed from stainless steel.

VALVES

All ball valves will be Akron® Brass. The Akron valves will be the 8000 series heavy-duty style with a stainless steel ball and a simple two-seat design. No lubrication or regular maintenance is required on the valve.

Valves will have a **ten (10) year** warranty.

The location of the valve for the one (1) inlet will be recessed behind the pump panel.

INLET CONTROL

The side auxiliary inlet(s) will incorporate a quarter-turn ball valve with the control located at the inlet valve. The valve operating mechanism will indicate the position of the valve.

LEFT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the left side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

RIGHT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the right side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

ADAPTER, INLET

One (1) adapter for the inlet, 2.50" male NST threads converting to 1.50" female NST swivel will be provided with a 1.50" plug and chain.

ANODE, INLET

A pair of sacrificial zinc anodes will be provided in the water pump inlets to protect the pump from corrosion.

INLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each side gated inlet.

The valves will be located behind the panel with a "T" swing style handle control extended to the outside of the panel.

The handles will be chrome plated and provide a visual indication of valve position. The swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

The water discharged by the bleeders will be routed below the chassis frame rails.

TANK TO PUMP

The booster tank will be connected to the intake side of the pump with heavy duty piping and a quarter turn 3.00" full flow line valve with the control remotely located at the operator's panel. The valve will be open when the handle is pushed in and closed when the handle is pulled out. Tank to pump line will run from the pump into the front face of the water tank and angle down into the tank sump. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing.

A check valve will be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.

TANK REFILL

A 1.50" combination tank refill and pump re-circulation line will be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

DISCHARGE OUTLET CONTROLS

The discharge outlets will incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism will indicate the position of the valve.

If a handwheel control valve is used, the control will be a minimum of a 3.9" diameter stainless steel handwheel with a dial position indicator built in to the center of the handwheel.

Any 3.00 inch or larger discharge valve will be a slow-operating valve in accordance with NFPA 16.7.5.3.

LEFT SIDE DISCHARGE OUTLETS

There will be Two (2) discharge outlets with a 2.50" valve on the left side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

LEFT SIDE OUTLET ELBOWS

The 2.50" discharge outlets located on the left side pump panel will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

RIGHT SIDE DISCHARGE OUTLETS

There will be One (1) discharge outlet with a 2.50" valve on the right side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

RIGHT SIDE OUTLET ELBOWS

The 2.50" discharge outlets located on the right side pump panel will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

LARGE DIAMETER DISCHARGE OUTLET

There will be a 4.00" discharge outlet with a 4.00" Akron valve installed on the right side of the apparatus, terminating with a 4.00" (M) National Standard hose thread adapter. This discharge outlet will be actuated with a small handwheel control at the pump operator's control panel.

An indicator will be provided to show when the valve is in the closed position.

LARGE DIAMETER OUTLET ELBOWS

The 4.00" outlet will be furnished with a 4.00" (F) National Standard hose thread x 5.00" Storz elbow adapter with Storz cap. The NST end on the elbow will swivel until tightened to stay in determined positions. One (1) 5.00" Storz cap with cable will be provided.

DISCHARGE CAPS/ INLET PLUGS

Chrome plated, rocker lug, caps with S/S cables will be furnished for all discharge outlets 1.00" thru 3.00" in size, besides the pre-connected hose outlets.

Chrome plated, rocker lug, plugs with S/S cables will be furnished for all auxiliary inlets 1.00" thru 3.00" in size.

The caps and plugs will incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

OUTLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable with some outlets if deemed appropriate with the application.

The valves will be located behind the panel with a T swing style handle control extended to the outside of the side pump panel.

The handles will be chrome plated and provide a visual indication of valve position.

The T swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

Bleeders will be located at the bottom of the pump panel. They will be properly labeled identifying the discharge they are plumbed in to.

The water discharged by the bleeders will be routed below the chassis frame rails.

AERIAL OUTLET

The aerial waterway will be plumbed from the pump to the water tower line with 5.00" pipe and a 4.00" Akron valve. The small handwheel control for the waterway valve will be located at the pump operator's panel.

An indicator will be provided to show the position of the valve.

CROSSLAY HOSE BEDS

Two (2) crosslays with 1.50" outlets will be provided. Each bed to be capable of carrying 200' of 1.75" double jacketed hose and will be plumbed with 2.00" i.d. pipe and gated with a 2.00" quarter turn ball valve.

Outlets to be equipped with a 1.50" National Standard hose thread 90 degree swivel located in the hose bed so that hose may be removed from either side of apparatus.

The crosslay controls will be at the pump operator's panel.

The center crosslay dividers will be fabricated of 0.25" aluminum and will provide adjustment from side to side. The divider will be unpainted with a brushed finish.

Stainless steel vertical scuffplates will be provided at hose bed ends (each side of vehicle). Bottom of hose bed ends (each side) will also be equipped with a stainless steel scuffplate.

Crosslay bed flooring will consist of removable perforated brushed aluminum.

2.50" CROSSLAY HOSE BED

One (1) crosslay with a 2.50" outlet will be provided. This bed to be capable of carrying 200' of 2.50" double jacketed hose and will be plumbed with 2.50" i.d. pipe and gated with a 2.50" quarter turn ball valve.

Outlet to be equipped with a 2.50" National Standard hose thread 90 degree swivel located in the hose bed so that hose may be removed from either side of apparatus.

The crosslay control will be at the pump operator's panel.

The center crosslay dividers will be fabricated of 0.25" aluminum and will provide adjustment from side to side. The divider will be unpainted with a brushed finish.

Stainless steel vertical scuffplates will be provided at hose bed ends (each side of vehicle). Bottom of hose bed ends (each side) will also be equipped with a stainless steel scuffplate.

Crosslay bed flooring will consist of removable perforated brushed aluminum.

CROSSLAY HOSE RESTRAINT

A 2.00" black nylon webbing design restraint will be provided at each of the ends of two (2) crosslay(s) to secure the hose during travel. The webbing assembly is to be attached at the bottom of the crosslays with a spring clip and footman loops, while the top outside corners are attached with seat belt buckles and a small piece of hinge, keeping the buckles beneath the height of the crosslays and avoiding a tripping hazard. The female end of the seat buckle will be permanently attached at the top, inboard forward and rearward, corners of the opening facing outboard. A flat bar will be attached to the female seat belt buckles to allow a center pull strap for releasing the buckles on the webbing.

REAR SHEET CROSSLAY

The rear sheet of the crosslay which faces the aerial turn table will be smooth aluminum, painted job color, in place of the standard treadplate.

FOAM SYSTEM

A foam system will not be required on this apparatus.

The following drawing(s) will be provided for approval by the customer. The drawing(s) will be made for up One (01) Truck apparatus and/or similar Pierce job number.

PUMP OPERATOR'S PANEL DRAWING

A detailed drawing to scale of the pump operator's panel will be provided for the customer to review. The drawing will include all of the gauges, controls, switching, etc., located on the pump operator's panel. The customer will be allowed to make changes and/or mark-ups to this approval drawing. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved pump operator's panel drawing will become part of the contract documents.

Due to the way drain(s), bleeder(s), operational/maintenance tag(s) and NFPA required warning tag(s) are placed on pump panel(s), these items will NOT be shown on any pump panel approval drawing(s). These item(s) will be placed on pump panel(s) at the fire apparatus manufacturer discretion.

REMAINING PUMP PANEL(S)

Detailed drawing(s) to scale of the remaining pump panel(s) will be provided for the customer to review. The drawing(s) will include all of the gauges, controls, switching, etc., located on the pump panel(s). The customer will be allowed to make changes and/or mark-ups to these approval drawing(s). The fire apparatus manufacturer will make revisions (If needed) to the drawing(s) per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved pump panel drawing(s) will become part of the contract documents.

Due to the way drain(s), bleeder(s), operational/maintenance tag(s) and NFPA required warning tag(s) are placed on pump panel(s), these items will NOT be shown on any pump panel approval drawing(s). These item(s) will be placed on pump panel(s) at the fire apparatus manufacturer discretion.

COLOR CODED TAGS

A detailed drawing/chart of the colors used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the colors will become part of the contract documents.

SPECIAL TEXT/VERBIAGE TAGS

A detailed drawing/chart of the text/verbiage used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this

approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the text/verbiage will become part of the contract documents.

PUMP PANEL CONFIGURATION

The pump panel configuration will be arranged and installed in an organized manner that will provide user-friendly operation.

PUMP OPERATOR'S PLATFORM

A pull out, flip down platform will be provided at the pump operator's control panel.

The front edge and the top surface of the platform will be made of DA finished aluminum with a Morton Cass insert.

The platform will be approximately 13.75" deep when in the stowed position and approximately 22.00" deep when extended. The platform stepping surface will be 28.00" wide. The platform will lock in the retracted and the extended position.

The platform will be wired to the "step not stowed" indicator in the cab.

PUMP OPERATOR'S PLATFORM PERIMETER LIGHT

There will be an On Scene Solutions, Model Night Stick Access, 20.00" white 12 volt DC LED strip light provided to illuminate the ground area.

PUMP AND GAUGE PANEL

The pump and gauge panels will be constructed of aluminum with a painted FormCoat black finish. A polished aluminum trim molding will be provided around each panel.

PUMP ACCESS

Right Side Panel

The right side upper pump panel will be removable.

Panel Fastener

The removable panels will be secured with black raised trigger latch.

The left side pump panels will be attached with screws.

The right side lower pump panel (drain bank) will be attached with screws.

PUMP COMPARTMENT LIGHT

There will be one (1) Whelen®, Model 3SC0CDCR, 3.00" white 12 volt DC LED light(s) with Whelen, Model 3FLANGEC, flange(s) installed in the pump compartment.

There will be a switch accessible through a door on the pump panel included with this installation.

Engine monitoring graduated LED indicators will be incorporated with the pressure controller.

Also provided at the pump panel will be the following:

- Master Pump Drain Control

THROTTLE READY GREEN INDICATOR LIGHT

There will be a green indicator light integrated with the pressure governor and/or engine throttle installed on the pump operators panel that is activated when the pump is in throttle ready mode.

OK TO PUMP INDICATOR LIGHT

There will be a green indicator light installed on the pump operators panel that is activated when the pump is in Ok To Pump mode.

AIR HORN SWITCH

An air horn control switch will be provided at the pump operator's control panel. This switch will be red and properly labeled. The switch will be located within easy reach of the operator in the electrical switch panel.

VACUUM AND PRESSURE GAUGES

The pump vacuum and pressure gauges will be liquid filled and manufactured by Class 1 Incorporated ©.

The gauges will be a minimum of 4.50" in diameter and will have white faces with black lettering, with a pressure range of 30.00"-0-600#.

The pump pressure and vacuum gauges will be installed adjacent to each other at the pump operator's control panel.

Test port connections will be provided at the pump operator's panel. One will be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They will have 0.25 in. standard pipe thread connections and polished stainless steel plugs. They will be marked with a label.

PRESSURE GAUGES

The individual "line" pressure gauges for the discharges will be Class 1© interlube filled.

They will be a minimum of 2.00" in diameter and have white faces with black lettering.

Gauge construction will include a Zytel nylon case with adhesive mounting gasket and threaded retaining nut.

Gauges will have a pressure range of 30"-0-400#.

The individual pressure gauge will be installed as close to the outlet control as practical.

This gauge will include a 10 year warranty against leakage, pointer defect, and defective bourdon tube.

WATER LEVEL GAUGE

A Fire Research TankVision Pro model WLA300-A00 water tank indicator gauge will be installed on the pump operators panel. The gauge kit will include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The gauge will show the volume of water in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs will provide for a viewing angle of 180 degrees. The gauge case will be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue label.

The program features will be accessed from the front of the indicator module. The program will support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a data link to connect remote indicators. Low water warnings will include flashing LEDs at 1/4 tank and down chasing LEDs when the tank is almost empty.

The gauge will receive an input signal from an electronic pressure sensor. The sensor will be mounted from the outside of the water tank near the bottom. No probe will be placed on the interior of the tank. Wiring will be weather resistant and have automotive type plug-in connectors.

REMOTE LIGHT DRIVER

A Fire Research TankVision model WLA290-A00 remote light driver will be installed. The driver will provide four (4) separate outputs to control additional water level lights around the apparatus. The lights will show 1/4, 1/2, 3/4, and full tank. When power is applied the driver will run a test and cycle each remote light on and off. When the tank is less than 1/4 full the 1/4 tank light will blink.

WATER LEVEL GAUGE

A water level gauge system will be provided at Rearward of crew cab doors, both sides.. Each will be provided with four (4) Whelen, Model M4*C LED lights with chrome flanges. The total quantity of the water level gauge systems to be provided will be two (2).

The lights will be vertically mounted and indicate the following:

- Top green light with green lens - water level full
- Next blue light with blue lens - water level 3/4 full
- Next amber light with amber lens - water level 1/2 full
- Bottom red light with red lens - water level 1/4 full when solid and will flash when empty.

The above system will function similar to the standard five (5) light at the pump panel.

The lights will be activated parking brake is applied.

PUMP PANEL ILLUMINATION

There will two (2) stainless steel light shields installed over the pump operators panels per the following:

- One (1) shield over the left side pump panel
- One (1) shield over the right side pump panel

The shields will include three (3) 12 volt DC lights with white LEDs to illuminate the controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus. The outside lights will be activated by the pump panel light switch. The left side center light will be activated when the pump is in "Ok to Pump" mode.

There will be a light activated above the pump panel light switch when the parking brake is applied. This is to afford the operator some illumination when first approaching the control panel.

AIR HORN SYSTEM

Two (2) Hadley round air horns with 6.00" bell will be recessed in the front bumper. The horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed in-line to prevent loss of air in the air brake system. The horns will be in position 3 & 5.

Air Horn Location

The air horns will be located on each side of the bumper, inside of the frame rails.

Air Horn Control

The air horn(s) will be activated by the following:

- Left side lanyard. The lanyard to be a plastic coated braided cable.
- Right side lanyard. The lanyard to be a plastic coated braided cable.
- Steering wheel horn ring with electric/air horn selector switch

ELECTRONIC SIREN

There will be two (2) Whelen®, Model: 295SL101, 100 or 200 watt electronic sirens with noise canceling plug-in microphone provided.

The sirens will be located behind the officers seat, facing the engine tunnel.

There will be a total of two (2) switches provided. The switches will be located within reach of the driver and the other within reach of the officer for each siren.

The two (2) switches are to switch the sirens on and off independently from each other.

Each siren will be connected to it's own separate speaker.

Siren head will be mounted behind the passenger's side front seat with the controls facing the engine tunnel.

ELECTRONIC SIREN CONTROL

The electronic siren will be activated by the following:

- The left side momentary switch.
- The right side momentary switch.

SPEAKERS

There will be two (2) Whelen®, Model SA315P, black nylon composite, 100-watt, speakers with through bumper mounting brackets and black steel grilles provided. The bezels will be painted black. Each speaker will be connected to the siren amplifier.

The speakers will be recessed in each side of the front bumper, just outside of the frame rails.

AUXILIARY MECHANICAL SIREN

There will be a Federal Signal Model Q2B mechanical siren furnished and installed in the front of the apparatus.

The Q2B siren will be black chrome finish.

The siren will have a 2-gauge cable connected to a power solenoid that is connected by a 2-gauge cable ran battery direct to the primary chassis batteries and will be labeled Q2B+ at the battery. The power solenoid will only be enabled when the emergency master switch is on.

The siren will have a 2-gauge ground wire connected to the chassis battery stud. The cable will be labeled Q2B- at the battery.

When the chassis battery switch is on, and the emergency master switch is on, the Q2B siren will be activated by the following:

The mechanical siren will be mounted recessed in the front grille. The siren mounting will include a reinforcement plate.

MECHANICAL SIREN CONTROL

The mechanical siren will be activated by the following:

- Left side foot switch.
- Right side push button switch.

A momentary red switch will be included in the right side overhead switch panel to activate the siren brake.

A momentary red switch will be included in the left side overhead switch panel to activate the siren brake.

INTERLOCK, ELECTRONIC SIREN

The electronic siren will be interlocked to shut off when the parking brake is set.

MECHANICAL SIREN INTERLOCK

The mechanical siren will be interlocked to shutoff whenever parking brake is applied. The interlock will disconnect the power only.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed left side pump panel.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model # FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed drivers side overhead switch panel.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed officers side overhead switch panel.

FRONT ZONE UPPER WARNING LIGHTS

There will be one (1) 81.00" Whelen Freedom IV LED lightbar mounted on the cab roof.

The lightbar will include the following:

- One (1) red flashing LED module in the left side end position.
- One (1) blue flashing LED module in the left side front corner position.
- One (1) red flashing LED module in the left side first front position.
- One (1) red flashing LED module in the left side second front position.
- One (1) blue flashing LED module in the left side third front position.
- One (1) red flashing LED module in the left side fourth front position.
- One (1) red flashing LED module in the left side fifth front position.
- One (1) white flashing LED module in the left side sixth front position.
- One (1) red flashing LED module in the left side seventh front position.
- One (1) red flashing LED module in the right side seventh front position.
- One (1) white flashing LED module in the right side sixth front position.
- One (1) red flashing LED module in the right side fifth front position.
- One (1) red flashing LED module in the right side fourth front position.
- One (1) blue flashing LED module in the right side third front position.
- One (1) red flashing LED module in the right side second front position.
- One (1) red flashing LED module in the right side first front position.
- One (1) blue flashing LED module in the right side front corner position.
- One (1) red flashing LED module in the right side end position.

There will be clear lenses included on the lightbar.

There will be a switch installed in the cab on the switch panel to control this lightbar.

The two (2) white flashing LED modules will be disabled when the parking brake is applied.

The ten (10) red and blue flashing LED modules in the front, positions two (2) through seven (7), may be load managed when the parking brake is applied.

CAB FACE WARNING LIGHTS

There will be four (4) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning lights installed on the cab face, above the headlights in a housing that matches the headlights per the following:

- The left side outside warning light to include red LEDs.
- The left side inside warning light to include blue LEDs.
- The right side inside warning light to include blue LEDs.
- The right side outside warning light to include red LEDs.
- The warning light lens color(s) to be clear.
- The housing and trim shall be painted black.

The lights will be controlled per the following:

- A switch in the cab, on the switch panel will control the lights.
- White LEDs will be deactivated when the parking brake is applied.
- Amber LEDs will be deactivated when the parking brake is released.
- Amber, blue, green or red LEDs in the inside positions may be load managed when the parking brake is applied.

DAYTIME RUNNING LIGHTS (HEADLIGHTS)

The low-beam headlights used as daytime running lights will be activated with the following measures:

- Ignition switch is turned on
- Parking brake is released

These lights will be deactivated with any one of the following measures:

- Headlight switch is turned on
- High-beam flash is turned on
- Parking brake is set

FRONT WARNING LIGHT

There will be two (2) Whelen®, Model M6*, LED flashing light(s) with Model M6FB, black flange(s) provided below headlights.

The color of the light(s) will be blue.

The color of the lens(es) will be clear.

The light(s) will be activated with the front warning switch.

These light(s) may be load managed if colored or disabled if white when the parking brake is applied.

HEADLIGHT FLASHER

The high beam headlights will flash alternately between the left and right side.

There will be a switch installed in the cab on the switch panel to control the high beam flash. This switch will be live when the battery switch and the emergency master switches are on.

The flashing will automatically cancel when the hi-beam headlight switch is activated or when the parking brake is set.

SIDE ZONE LOWER LIGHTING

There will be six (6) Whelen®, Model M6*C, flashing LED warning lights with black trim installed per the following:

- Two (2) lights, one (1) each side on the bumper extension. The side front lights to be red.
- Two (2) lights, one (1) each side of cab rearward of crew cab doors. The side middle lights to be red.
- Two (2) lights, one (1) each side above rear wheels. The side rear lights to be blue.
- The lights will include clear lenses.

There will be a switch in the cab on the switch panel to control the lights.

INTERIOR CAB DOOR WARNING LIGHTS

There will be four (4) Weldon, Model 8401-0000-20, 16" long x 3/4" High x 5/8" deep amber 12 volt DC LED flashing strip lights provided.

- One (1) light on the left side cab door.
- One (1) light on the right side cab door.
- One (1) light on the right side crew cab door.
- One (1) light on the left side crew cab door.

Each light will be located over the door window..

Each light will be activated when the battery switch is on, respective door is opened and no other controls are on.

Each light will be installed so the flash pattern directs traffic away from the doors.

ELECTRICAL CONNECTORS FOR WARNING LIGHTS

The lights will be installed with an insulated crimped factory butt splice connection.

INTERIOR COMPARTMENT DOOR WARNING LIGHTS

There will be four (4) Whelen®, Model 50*03Z*R, LED warning light(s) with Model 5EFLANGE, chrome flange(s) provided on the compartment doors of the following compartment(s), one on each cab door.

The color of the lights will be amber.

The lens color to be clear.

Each light will be activated by the door jam switch of the associated door.

ADDITIONAL SIDE UPPER LIGHTS

There will be six (6) Whelen®, Model M4**, 3.38" high x 5.50" long x 1.38" deep LED surface mount flashing lights with black trim provided on the outside corner radius of the cab roof over the crew cab doors.

The lights will be installed on two (2) painted brackets that are attached to the cab roof.

The left side bracket will include the following:

- driver's side, side front light to include red warning LEDs
- driver's side, side middle light to include blue warning LEDs
- driver's side, side rear light to include red warning LEDs

The right side bracket will include the following:

- passenger's side, side front light to include red warning LEDs
- passenger's side, side middle light to include blue warning LEDs
- passenger's side, side rear light to include red warning LEDs

The color of the lenses will be clear.

There will be a switch in the cab on the switch panel to control the lights.

The lights may be load managed when the parking brake is applied.

SIDE WARNING LIGHTS

There will be two (2) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning light(s) with black trim provided, forward over the tandem.

The light(s) to include red flashing LEDs.

The warning light lens color(s) to be clear.

There will be a switch in the cab on the switch panel to control the lights.

White LEDs will be deactivated when the parking brake is applied.

Amber, blue, green and red LEDs may be load managed when the parking brake is applied.

REAR ZONE LOWER LIGHTING

There will be two (2) Whelen®, Model M6*C, LED flashing warning lights located at the rear of the apparatus.

- The driver's side rear light to be red
- The passenger's side rear light to be red

Both lights will include a lens that is clear.

There will be a switch located in the cab on the switch panel to control the lights.

REAR WARNING LIGHTS

There will be two (2) Whelen®, Model M9*C, LED flashing warning light(s) with bezel(s) provided each side high on rear compartment bulkheads .

The color of these light(s) will be one (1) red light on the left side and one (1) amber light on the right side.

These light(s) will be controlled with the rear upper warning switch.

These light(s) will include a lens that is clear.

REAR WARNING LIGHTS

There will be two (2) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning light(s) with black trim provided at the rear of the apparatus, Up high on rear body bulkhead.

The light(s) to include blue flashing LEDs. The warning light lens color(s) to be clear.

These light(s) will be controlled with the rear upper warning switch.

The light(s) may be load managed when the parking brake is applied.

REAR/SIDE ZONE UPPER WARNING LIGHTS

There will be two (2) Whelen®, Model L31H*FN, LED warning beacons provided at the rear of the truck, located one (1) each side. There will be a switch located in the cab on the switch panel to control the beacons.

The color of the lights will be red LEDs with both domes clear.

REAR BODY MOUNTING BRACKET

There will be a 5.00" deep painted aluminum bracket provided at the rear of the body, spanning the width of the rear compartment door. The bracket(s) will be provided to mount lights, cameras, or other accessories. The brackets will include a removable panel to protect the wire connections.

120 VOLT RECEPTACLE

There will be two (2), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior duplex flip up cover(s), installed one each side of cab transverse compartment. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be two (2), 15/20 amp 120 volt AC three (3) wire straight blade duplex GFCI receptacle(s) with interior duplex flip up cover(s), installed one in each EMS compartment. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be nine (9), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior stainless steel wall plate(s), installed LS1, LS2, LS3, LS4, RS1, RS2, RS3, RS4, RS5 - all on right side wall up and close to back wall (behind door roll if possible). The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

AERIAL GENERAL INFORMATION

It is the intent of these specifications to describe a mid-mounted telescoping, elevating platform. The unit will consist of a five (5) section, steel ladder with a self-leveling basket attached to the ladder fly section.

Operation on Grades

The aerial unit will be capable of operating safely, on any slope up to 10 degrees at full capacities. (Operation beyond this limit will be at the operator's discretion).

Construction Standards

The ladder will be constructed to meet all of the requirements as described in the current edition of NFPA 1901.

These capabilities will be established in an unsupported configuration.

All structural load supporting elements of the aerial device that are made of a ductile material will have a design stress of not more than 50 percent of the minimum yield strength of the material based on the combination of the live load and the dead load. This 2:1 structural safety factor meets the current NFPA 1901 standard.

All structural load supporting elements of the aerial device that are made of non-ductile material will have a design stress of not more than 20 percent of the minimum ultimate strength of the material, based on the combination of the rated capacity and the dead load. This 5:1 safety factor meets the current 1901 NFPA standard.

The aerial device will be capable of sustaining a static load one and one-half times its rated tip load capacity (live load) in every position in which the aerial device can be placed when the vehicle is on a firm level surface.

The aerial device will be capable of sustaining a static load one and one-third times its rated tip load capacity (live load) in every position the aerial device can be placed when the vehicle is on a slope of five degrees downward in the direction most likely to cause overturning.

With the aerial device out of the cradle in the in the fully extended position at zero degrees elevation, a test load will be applied in a horizontal direction normal to the centerline of the ladder. The turntable will not rotate and the ladder will not deflect beyond what the product specification allows.

All welding will be in compliance with the American Welding Society standards. All welding personnel will be certified, as qualified under AWS welding codes.

The aerial device will be capable of operating in either of the two (2) following conditions:

- Conditions of high wind up to 35 mph
- Conditions of icing, up to a coating of 0.25" over the entire aerial structure

All of the design criteria must be supported by the following test data:

- Strain gage testing of the complete aerial device

The following criteria for materials are to be used in the design of the aerial device:

- Materials are to be certified by the mill that manufactured the material
- Material testing that is performed after the mill test will be for verification only and not with the intent of changing the classification.

Ladder Construction

The ladder will be comprised of five (5) sections and will extend to a nominal height, of 100' above the ground, as measured by 1901 recommendations. The ladder (handrails, baserails, trusses, k-braces and rungs) will be constructed of welded, high strength steel certified by the manufacturer as being a minimum of 100,000 lb per square inch of yield strength. All critical points will be reinforced, for extra rigidity, and to provide a high strength-to-weight ratio. Ladder rungs will be round and welded to each section in two (2) places with "K" bracing for torsional rigidity. A minimum of 70.25" of overlap between each of the aerial sections will be provided.

The inside width dimensions of the ladder will be:

Base Section: 56.12"
Lower Mid Section: 46.12"

Center Mid Section: 36.62"
 Upper Mid Section: 28.12"
 Fly Section: 22.12"

The height of the handrails above the centerline of the rungs will be:

Base Section: 40.72"
 Lower Mid Section: 39.08"
 Center Mid Section: 32.32"
 Upper Mid Section: 29.02"
 Fly Section: 26.37"

Vertical Height

The height of the unit will extend to no less than 100', as measured by a plumb line from the top surface of the basket handrail assembly to the ground, with the basket raised to a 77 degree angle.

Horizontal Reach

The rated horizontal reach will be 93'. The measurement of horizontal reach will be consistent with NFPA standards.

Mounting of Elevating Platform

The aerial device will be mid mounted, to a torque box, on the truck chassis.

Torque Box

A "torsion box" subframe will be installed between two sets of stabilizers. The torque box will be constructed of 100,000 lb per square inch yield steel with an integral ladder storage box. The torque box assembly will be capable of withstanding all torsional and horizontal loads when the unit is on the stabilizers. The torque box will be bolted to the chassis frame rails using forty-eight 0.750" SAE grade 8 bolts with nuts.

Turntable

The turntable will be coated with a non-skid, chemical resistant material in the walking areas. The stepping surfaces will meet the skid-resistance requirements in the current NFPA 1901 standard.

The turntable will serve as a step for access to the ladder.

The turntable handrails will be a minimum 42.00" high and will not increase the overall travel height of the vehicle. The handrails will be constructed from 1.62" diameter extruded 6061-T6 aluminum with a slip resistant knurled surface. The handrails will be anodized to resist corrosion.

Elevation System

Two (2) double acting, lift cylinders will be utilized to provide smooth, precise elevation from 15 degrees below horizontal to 77 degrees above horizontal. The lift cylinder will be attached to each side of the base section. The lift cylinders will have a 7.50" internal diameter (bore), 3.50" diameter cylinder rod and a 53.89" stroke. The lift cylinder rod will be chrome plated, to provide smooth operation of the

aerial and reduce seal wear. The lift cylinders will be equipped with integral holding valves located in the cylinder, to prevent the unit from descending should the charged lines be severed, at any point within the hydraulic system and to maintain the ladder in the bedded position during road travel. The integral holding valves will NOT be located in the transfer tubes.

The elevation system will be controlled by the microprocessor. The microprocessor will provide the following features:

- Collision avoidance of the elevation system to prevent accidental body damage
- Automatic deceleration when the aerial device is lowered into the cradle
- Automatic deceleration at the end of stroke, in maximum raise and lower positions
- Deceleration of the aerial device from 0 to -15 degrees

Extension/Retraction System

A hydraulically powered, extension and retraction system will be provided through dual hydraulic cylinders and wire ropes. The extension cylinder will have a 6.50" internal diameter (bore), 2.75" diameter rod and a 53.12" stroke. Each set will be capable of operating the ladder in the event of a failure, of the other. For safety, systems that use only a single extension/retraction system will not be acceptable. The extension cylinder rod will be chrome plated to provide smooth operation of the aerial device and reduce seal wear. The extension/retraction cylinders will be equipped, with integral holding valves, to prevent the unit from retracting should the charged line be severed, at any point within the hydraulic system. The integral holding valves will NOT be located in the transfer tubes.

Wire ropes and attaching systems used to extend and retract the fly sections will have a 5:1 safety factor based on the ultimate strength under all operating conditions. The factor of safety for the wire rope will remain above 2:1 during any extension or retraction stall. The minimum ratio of the diameter of wire rope used to the diameter of the sheave used will be 1:12. Wire ropes will be constructed of seven (7) strands over an inner wire core for increased flexibility. The wire rope will be galvanized to reduce corrosion.

The extension/retraction system will be controlled by the microprocessor. The microprocessor will provide the following features:

- Automatic deceleration at the end of stroke, in maximum extend and retract positions
- Controls the rate of retraction while flowing water

All sheaves and sheave pins will utilize greasable bronze bushings. Sheave pins will be polished stainless steel.

Rotation System

A 54.00" diameter, external tooth, monorace rotation bearing will be used for the rotation system and will provide 360 degree continuous rotation. The turntable will be bolted to the bearing using 30 SAE grade 8, 0.875" diameter bolts. To secure the bearing to the base support, 36 grade 8, 0.875" diameter bolts will be used. The turntable base and the torque box bearing plate will be machined to fit the bearing, thereby providing even distribution of forces. Two (2) hydraulically driven, planetary gear boxes, with drive speed reducer, will be used to provide infinite and minute rotation control, throughout

the entire rotational travel. Each planetary gearbox has a torque rating of 130,000 lb per square inch. A spring applied, hydraulically released, disc type, swing brake will be furnished to provide positive braking of the turntable assembly. Provisions will be made for auxiliary operation of the rotation system should complete loss of normal hydraulic power occur.

The rotation system will be controlled by the microprocessor. The microprocessor will provide the following features:

- Envelope control of rotation system to prevent accidental body damage
- Prevent the aerial from being rotated into the short-jacked side of the unit

Manual Override Controls

Manual override controls will be provided for all aerial and stabilizer functions.

Ladder Slide Mechanism

Wear pads will be used between the telescoping ladder sections, to reduce friction for smoother operation. Slide pads will also be used to control side play between the ladder sections.

Basket Leveling System

A basket leveling system will be provided and so designed, that the basket with it's rated load, can be supported and maintained level, relative to the turntable, regardless of the elevation or flexion of the ladder.

The leveling of the basket features a hydraulic cylinder system mounted between the ladder fly section and the basket with each side capable of supporting the load, while maintaining the basket level.

The hydraulic circuitry includes pressure operated counter balance valves, on the load side of the cylinders, to prevent the basket from tipping should the hydraulic lines be severed.

The microprocessor will control the level of the basket during bedding operations, preventing the basket from hitting the body deck when the truck is setup on unlevel ground.

Rotation Interlock

The microprocessor will be used to prevent the rotation of the aerial device, to the side in which the stabilizers have not been fully deployed (short-jacked). The microprocessor will allow full and unrestricted use of the aerial, in the 180 degree area, on the side(s) where the stabilizers have been fully deployed. The system will also have a manual override, to comply with NFPA 1901.

Load Capacities

The following load capacities will be established with the stabilizers at full horizontal extension and placed in the down position to level the truck and to relieve the weight from the tires and axles. Capacities will be based upon full extension and 360 degree rotation.

A load chart, visible at the operator's station, will be provided. The load chart will show the recommended safe load at any condition of the aerial device's elevation and extension.

35 MPH Wind Conditions/Dry

Degree of Elevation	-15 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 77
---------------------	----------	----------	----------	----------	----------	----------	----------

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Basket	1000	1000	1000	1000	1000	1000	1000
Fly	-	-	-	-	250	250	500
Upper Mid	-	-	-	-	250	250	500
Center Mid	-	-	250	250	250	500	500
Lower Mid	-	-	250	250	500	500	500
Base	-	250	500	500	500	500	750

Water Tower Operation

The following capacities will be based upon continuous 360 degree rotation and full extension.

35 MPH Wind Conditions/Water Charged

Degree of Elevation	-15 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 77
Basket	500	500	500	500	500	500	500
Fly	-	-	-	-	-	-	250
Upper Mid	-	-	-	-	-	250	250
Center Mid	-	-	-	-	250	250	500
Lower Mid	-	-	-	250	250	500	500
Base	-	-	250	250	250	500	500

Elevation -15 to 77 Degrees

The aerial device will be able to maintain the above load capacities while flowing up to 1500 GPM and a nozzle position of 0 to 90 degrees to either side of the ladder centerline, and as far above and below horizontal to the platform as nozzle design allows.

The aerial device will be able to maintain the above load capacities while flowing up to 2000 GPM and a nozzle position of 0 to 45 degrees to either side of the ladder centerline, and 30 degrees above horizontal and as far below horizontal to the platform as nozzle design allows.

Reduced loads in the basket can be redistributed in 250 lb Increments to the fly, mid, or base as needed.

Ladder Cradle Interlock System

A ladder cradle interlock system will be provided through the microprocessor to prevent the lifting of the aerial device from the nested position until the operator places all the stabilizers in a load supporting configuration. A switch will be installed at the boom support to prevent operation of the stabilizers once the aerial has been elevated from the nested position.

AERIAL BOOM PANELS WITH LIGHTING

There will be one boom panel provided on each side of the aerial ladder base section. The boom panel will be painted #90 red.

The boom panels will be provided with HiViz FT-CU-HD-* LED light strips.

The LED light strips will be provided on the upper edge of the boom panel, facing downward to illuminate the panels.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

The boom panel lighting will switch on with a single switch in the cab and be labeled properly.

AERIAL DEVICE RUNG COVERS

Each rung will be covered with a secure, heavy-duty, fiberglass pultrusion that incorporates an aggressive, no-slip coating.

The rung covers will be glued to each rung, and will be easily replaceable should the rung cover become damaged.

The center portion of each rung cover will be black and the outside 2.00" edge at each side will be black.

Under no circumstances will the rung covers be fastened to the rungs using screws or rivets.

The rung covers will have a 10-year, limited warranty.

LADDER STORAGE MOUNTING BRACKETS

There will be brackets that are DA finished provided near the end of the fly section of the aerial for mounting a roof ladder.

The mounting brackets will accommodate a 16' Duo-Safety 875-DR roof/wall ladder as determined by the type of aerial device and the available space.

STABILITY TEST

An aerial stability test will be run on this apparatus using the maximum weight allowance for tip options.

BASKET BRACKETS STORAGE BOX

There will be a storage box provided at the base section of the aerial ladder on the right side. The box will be painted to match the aerial device and located at the tip of the base section. The box will have a hinged cover with pneumatic cylinders and a D-handle latch. The box will have no louvers. The cover will have the same finish as the box. The cover will be tied in to the open door indicator circuitry when in the open position.

The maximum capacity of the box will be 40 lb.

SAW STORAGE BOX

There will be a total of one (1) storage box(es) provided at the base section of the aerial ladder, one (1) on the left side of the aerial device while viewed from the turntable. The box(es) will be painted to match the aerial device and located at the tip of the base section. The box(es) will have a hinged cover with D-handle latch and gas struts to secure the saw. The cover will have the same finish as the box. The cover will be tied in to the open door indicator circuitry when in the open position. The box will have no louvers.

The maximum capacity of each box will be 25 lb.

STOKES STORAGE BRACKETS

There will be one (1) aluminum bracket(s) at the base section of the aerial ladder on the right side of the aerial device while viewed from the turntable. The brackets will be located above the aerial boom

panel. The brackets will be painted to match the aerial device and include locking pins to secure the basket.

BASKET STRUCTURE

The complete basket structure will be constructed of welded high strength steel certified by the manufacturer to have a minimum of 100,000 lb per square inch yield strength on all structural members. The aerial basket will be fully tested and independent third party certified.

The flooring of the basket will be multi-piece Morton Cass material, preventing the accumulation of water on the standing surface. The floor will measure approximately 33.63" long x 72.75" wide. The stepping surfaces will meet the skid-resistance requirements of current NFPA 1901 standard.

The outside basket steps used for transferring in and out of the basket will be at the same level as the basket floor and will be constructed of aluminum treadplate. The steps on the front and sides are approximately 8.00" deep. The front corners of the basket step will be mitered at 45 degrees to allow the basket to be maneuvered closer to buildings when approaching at an angle.

Four (4) stainless steel pompier belt safety loops will be attached to the inside of the basket. Two (2) lifting eyes will be provided on the bottom side of the basket support structure. Each lifting eye will be rated for 500lb.

Four (4) rubber bumpers are provided on the bottom side of the basket structure for damage protection when setting it down on a surface.

The basket interior will be illuminated as required per the current edition of NFPA 1901. Electrical sub-components will be mounted under the basket in a enclosed area providing protection from heat exposure while allowing for easy servicing and maintaining an unobstructed basket interior.

BASKET SIDES

The sides of the basket will be of tubular steel construction and aluminum sheet skin, and along with the basket doors, will form a continuous 42.00" high wall around the basket.

PLATFORM ENTRANCES/EXITS

Two (2) swing-in, spring-loaded, self-closing doors will be of steel frame construction with an aluminum sheet skin and will be provided on the 45 degree angles at the front of the platform. A paddle style door latch will allow the basket doors to be opened from the outside by applying pressure to the paddle with the hand. The rear of the platform will be equipped with a vertical self-closing gate for transfer to and from the platform's ladder device.

ACCESSORY MOUNTING RECEPTACLES

Universal accessory mounting receptacles will be permanently affixed on the left side of the basket to receive options such as the rescue basket holders, rappelling arms, roof ladder brackets, winch, etc. Complete interchangeability will be required without modification to the basket.

BASKET DOOR SCUFFPLATES

There will be scuffplates applied to the exterior of each basket entrance door. Scuffplates will cover the bottom 8.00" of the doors. The scuffplates will be made of brushed stainless steel.

MULTIPLEX DISPLAY COVER

A cover will be provided for the multiplex display in the platform basket. The cover will be hinged at the front of the basket and when down it will cover the multiplex display. The cover will be constructed of brushed stainless steel.

The cover will be held down with a butterfly latch.

HOSE BOX AT PLATFORM

There will be one (1) hose storage box(es) with a cover and rubber draw latch provided at the platform. A brushed stainless steel scuffplate will be provided under each latch. The box(es) will be located at the right side of the basket when viewed from the turntable and will match the finish of the aerial device. The box(es) will be sized to fit 100' of 1.75" diameter hose.

Drain holes will be provided in the bottom corners of each box and a louver will be provided on each side near the top of the box, below the latches.

LIGHTS FOR TURNTABLE WALKWAY

There will be On Scene Model 73006-Whw 6.00" long white LED lights and P25 white LED lights with chrome housing provided at the aerial turntable. The lights will be located to illuminate the entire walking surface of the turntable including the area around the turntable console. These lights will be activated by the aerial master switch.

TURNTABLE CONSOLE LIGHTING

There will be one (1), TecNiq Model E10, white LED light mounted in the turntable console cover to illuminate the controls located on both the upper and lower portion of the turntable control station. These lights will be activated by the aerial master switch.

TURNTABLE KICKPLATE

There will be a smooth aluminum painted black 101 kickplate provided at the lower portion of the turntable handrails on the right side and rear side of the turntable. The kickplate on the inboard side of the turntable near the ladder will be painted to match the turntable.

BASKET HEAT SHIELDS

A heat reflective shield constructed of 0.063 aluminum will be provided on the front, sides, bottom, and access doors of the basket.

The front, side and access door heat shields will be painted to match the aerial basket.

The heat shields on the bottom of the basket will be easily removable for ease of servicing components located under the basket. These heat shields will be provided with a non-glare finish.

INFORMATION CENTER

There will be an information center provided. The information center will operate in temperatures from -40 to 185 degrees Fahrenheit. The information center will employ a Linux operating system and a 7.00" (diagonal measurement) LCD display. The LCD will have a 1000 nits rated color display. The LCD will be daylight visible. The LCD display will be encased in an ABS, grey plastic housing with a

black decal. There will be five (5), weather-resistant user interface buttons provided. The LCD display can be changed to an optional single foreign language.

Operation

The information center will be designed for easy operation in everyday use. There will be a page button to cycle from one screen to the next screen in a rotating fashion. A video button will allow an NTSC camera signal into the information center to be displayed on the LCD. If any button is pressed while viewing a video feed, the information center will return to the vehicle information screens. There will be a menu button to provide access to maintenance, setup, and diagnostic screens. All other button labels will be specific to the information being viewed.

General Screen Design

Where possible, background colors will be used to provide vehicle information *At A Glance*. If the information provided on a screen is within acceptable limits, a green background color will be used. If the information provided on a screen is not within acceptable limits, an amber background color will indicate a caution condition and a red background color will indicate a warning condition.

Every screen in the information center will include the aerial tip temperature, the time (12- or 24-hour mode) and a text Alert Center. The time will be synchronized between all Command Zone color displays located on the vehicle. The Alert Center will display text messages for audible alarms. The text messages will identify any items causing the audible alarm to sound. If more than one (1) audible alarm is activated, the text message for each alarm will cycle every second until the problems have been resolved. The background for the Alert Center will change to indicate the severity of the warning message. Amber will indicate a caution condition and red will indicate a warning condition. If a warning and a caution condition occur simultaneously, the red background color will be shown for all Alert Center messages.

A label will be provided for each button. The label will indicate the function for each active button for each screen. If the button is not utilized on specific screens, it will have a button label with no text.

Symbols will accurately depict the aerial device type the information pertains to such as rear mount ladder, rear mount platform, mid-mount ladder or mid-mount platform.

Page Screens

The Information center will include the following pages:

The Aerial Main and Load Chart page will indicate the following information:

Rungs Aligned and Rungs Not Aligned will be indicated with text and respective green or red colored ladder symbols.

Ladder Elevation will be indicated via a fire apparatus vehicle with ladder symbol with the degree of elevation indicated between the vehicle and ladder.

Water Flow (if applicable) will be indicated via a water nozzle symbol and text indicating flow / time.

Breathing Air Levels will be indicated via an air bottle symbol and text indicating the percent (%) of air remaining. A green bar graphs shown inside the bottle will indicate oxygen levels above 20 percent. A

red bar graph will indicate oxygen levels at or below 20 percent. When oxygen levels are at or below 10 percent the red bar graph will flash.

The Aerial Load Chart will indicate the load limit on each section of the ladder based on actual ladder position and water flow (if applicable).

At A Glance color features will be utilized on this screen. Caution type conditions will be indicated via a yellow background. Warning type conditions will be indicated via a red background. Conditions operating within acceptable limits will be indicated via a green background.

The Aerial Reach and Hydraulic Systems page will indicate the following information:

Aerial Hydraulic Oil Temperature will be indicated with symbol and text. At a glance features will be utilized.

Aerial Hydraulic Oil Pressure will be indicated with a symbol and text. At a glance features will be utilized.

The following calculations will be indicated on a representative vehicle symbol:

Aerial Device Extension length.

Aerial Device Height indicating the height of the aerial device tip from the ground.

Aerial Device Reach indicating the horizontal distance the aerial reaches from the turntable.

Aerial Device Angle indicating the angle from the vehicle which the device is at.

At A Glance color features will be utilized on this screen. Caution type conditions will be indicated via a yellow background. Warning type conditions will be indicated via a red background. Conditions operating within acceptable limits will be indicated via a green background.

The Level Vehicle page will indicate the following information:

The grade of the vehicle will be indicated via a fire apparatus vehicle symbol with the degree of grade shown in text format. The symbol will tilt dependent on the vehicle grade.

The slope of the vehicle will be indicated via a fire apparatus vehicle symbol with the degree of slope shown in text format. The symbol will tilt dependent on the vehicle slope.

Outriggers status will be indicated via a colored symbol for each outrigger present. Each outrigger status will be defined as one of the following:

Outrigger stowed indicated with a silver pan located close to the vehicle

Outrigger fully extended indicated with a fully deployed green outrigger

Outrigger short-jacked indicated by a yellow outrigger partially deployed

Outrigger not set indicated by a red outrigger that is not set on the ground

A text box located on the vehicle symbol will be utilized to identify the overall status of the outrigger leveling system. The following status will be indicated in the text box:

Deployed status will indicate all outriggers are properly set on the ground at full extension

Shortjacked status will indicate one or more outriggers are set on the ground but not fully extended.

Not Set status will indicate one or more outriggers is not properly set on the ground.

Stowed status will indicate all outriggers are stowed for vehicle travel.

A bedding assist alert will indicate that the aerial device is being aligned by the Command Zone system as the operator lowers the aerial device into the cradle with the joystick.

At A Glance color features will be utilized on this screen. Caution type conditions will be indicated via a yellow background. Warning type conditions will be indicated via a red background. Conditions operating within acceptable limits will be indicated via a green background.

Menu Screens

The following screens will be available through the Menu button:

The View System Information screen will display aerial device hours, aerial PTO hours, ladder aligned for stowing, aerial rotation angle, total water flow (if applicable), and aerial waterway valve status (if applicable).

The Set Display Brightness screen will allow brightness increase and decrease and include a default setting button.

The Configure Video Mode screen will allow setting of video contrast, video color and video tint.

The Set Startup screen allows setting of the screen that will be active at vehicle power-up.

The Set Date and Time screen has a 12- or 24-hour format, and allows setting of the time and date.

The View Active Alarms screen shows a list of all active alarms including the date and time of each alarm occurrence and shows all alarms that are silenced.

The System Diagnostics screen allows the user to view system status for each module and it's respective inputs and outputs. Viewable data will include the module type and ID number; the module version; and module diagnostics information including input or output number, the circuit number connected to that input or output, the circuit name (item connected to the circuit), status of the input or output, and other module diagnostic information.

Aerial calibrations screen indicates items that may be calibrated by the user and instructions to follow for proper calibration of the aerial device.

Button functions and button labels may change with each screen.

LOWER CONTROL STATION

A lower control station with pendant control will be located at the rear of the apparatus in an easily accessible area. The controls and indication labels will be illuminated for nighttime operation. The following items will be furnished at the lower control station and will be clearly identified and conveniently located for ease of operation and viewing:

- Level assist switch
- Override switch to override microprocessor
- Emergency power unit switch

AERIAL DEVICE CONTROL STATIONS

There will be two (2) aerial device control stations, one (1) will be referred to as the basket control station, and the other as the turntable control station. All elevation, extension, and rotation controls will operate from both of these locations. The controls will permit the operator to regulate the speed of the aerial functions, within the safe limits as determined by the manufacturer and NFPA standards. The controls will be clearly marked and illuminated for night time operation.

Each control will be equipped with an operator presence, preventing accidental activation.

TURNTABLE CONTROL STATION

The turntable control station will be located on the right side of the turntable so the operator may easily observe the basket while operating the controls. A console cover will be provided at the turntable control station. The controls will be so designed to allow the turntable control station to immediately override the basket controls even if the ladder is being operated by the basket controls.

The following items will also be provided at the turntable control station and be clearly identified and illuminated for nighttime operation and conveniently located for ease of operation and viewing:

- Three (3) separate controls for raise/lower, extend/retract, and left/right rotation
- Intercom controls
- Tip tracking light switch
- Emergency power unit switch
- Operator's load chart
- Two (2) position switch for selecting aerial operational speed
- Aerial monitor switches

BASKET CONTROL STATION

The basket control station will be located at the front, center of the platform basket. The following items will also be provided at the basket control station and be clearly identified and illuminated for nighttime operation and conveniently located for ease of operation and viewing:

- Three (3) separate controls for raise/lower, extend/retract, and left/right rotation
- Intercom controls
- Tip tracking light switch
- Basket leveling switches
- Operator's load chart

- Aerial monitor switches

HIGH IDLE

The high idle will be controlled by the microprocessor. The microprocessor will automatically adjust the engine rpm, to compensate for the amount of load placed upon the system. The system will include a safety device that allows activation of the high idle, only when the parking brake is set and the transmission is placed in neutral.

INTERIOR BASKET ILLUMINATION

There will be three (3) 20.00" weather resistant strip lights with white LEDs and stainless steel shield provided to illuminate the interior of the aerial basket.

- One (1) light over the control console
- One (1) light on the left side rear of the basket
- One (1) light on the right side rear of the basket

The lights will be activated when the battery switch is on and the aerial master switch is on.

STABILIZERS

The vehicle will come equipped with a stabilization system consisting of six (6) hydraulically operated stabilizers. The middle two (2) will be out and down style, the front and rear two (2) will be down only. This system will meet or exceed all requirements of the NFPA specifications related to stabilization and setup on sloped surfaces.

The stabilizer/leveling jacks will have a maximum spread of 18' measured from the centerline of the jack footpads when the beams are fully extended. The beams will be 6.81" wide x 13.00" high with 1.00" thick top and bottom plates and 1/2" thick sides of 100,000-PSI minimum yield strength steel. The cylinders will have pilot-operated check valves with thermal relief designed to ensure that the beams will not drift out of the stowed position during travel. Wear pads will guide the stabilizers.

The horizontal extension cylinders will be totally enclosed within the beams and will incorporate telescoping hydraulic tubing to supply the jack cylinder hydraulic power. Stabilizer hydraulic hoses will remain stationary during operation of the stabilizers to prevent hose wear and potential failure. The cylinders will be equipped with decelerators to reduce the speed of extension and retraction when the beams are near the fully retracted and extended positions. The stabilizer extension hydraulic cylinders will have the following dimensions: 2.25" bore, 1.38" rod, and 62.25" stroke.

The front vertical jack cylinders will be capable of 15.00" ground penetration. The middle and rear vertical jack cylinders will be capable of 18.00" ground penetration. The cylinders will be supplied with pilot operated check valves on each jack cylinder to hold the cylinder in the stowed or working position, should a charged line be severed at any point in the hydraulic system. For safety, the integral holding valves will be located in the cylinder base, NOT in the transfer tube. Vertical jack cylinder rods will be fully enclosed by a telescoping inner box to protect the cylinder rods from damage. The stabilizer jack hydraulic cylinders will have the following dimensions: 4.25" bore, 3.00" rod, and 34.88" stroke.

The middle and rear stabilizer jack will have a pan that will be a maximum of 14.00" wide so as to allow the extension of the stabilizer between parked cars or other obstacles. This pan will serve as a

protective guard and a mounting surface for warning lights. The top, forward, and rear edges will be flanged back 90 degrees for added strength. The front stabilizers will be designed for easy cab tilt.

STABILIZER PADS

The stabilizer footpad will include an integrated stabilizer pad. The footpad will be attached to the jack cylinder rod by means of a machined ball at the end of the jack cylinder rod which mates to a socket machined into the footpad. The footpad will automatically position itself when being stowed so that no portion of the foot extends outside the body.

STABILIZER CONTROLS

A portable stabilizer control pendant will be provided. The control pendant will be weatherproof and oil resistant. Each function and indicator light will be labeled on a mylar lexan panel. The control pendant can be taken as far away as 15' from the vehicle with an attached coil cable.

The stabilizer control pendant will include the following:

- One (1) green power indicator light for stabilizer control that will be illuminated when the Stabilizer Power Enable switch has been activated. This will be interlocked such that the aerial master must be activated, the ladder is in the cradle, or the Global Override at the rear of the apparatus is activated.
- Two (2) electric toggle switches for stabilizers: each toggle switch will control the extend/retract (middle only) and raise/lower (front/middle/rear) of its respective stabilizer to allow vehicle set up in restricted areas and/or on uneven surfaces.
- Level assist switch: The stabilizer control system will incorporate a computerized leveling system to enhance the stabilizer set up. The computerized system will ensure full stabilizer extension, proper jack penetration, and will level the vehicle within eight tenths of a degree of level for safe operation of the aerial device.
- Stow assist switch: The stabilizer control system will incorporate a computerized system to move all six (6) stabilizer shoes to the full raised position while this switch is held.
- Tilt assist toggle switch: The stabilizer control system will incorporate a computerized system to tilt the chassis to five (5) degrees for enhanced side angle deployment of the aerial device.
- One (1) electric push button switch for the engaging the emergency power unit.
- One (1) red "stabilizer not stowed" indicator light: this light will illuminate when the stabilizers are not in the fully stowed position.
- Two (2) fully extended beams green indicator lights: these lights will be illuminated when each of the respective stabilizer beams are fully extended.
- Six (6) firm on ground green indicator lights: each light will be illuminated when its respective stabilizer shoe is in the load supporting condition.

Each toggle switch will activate the engine fast idle automatically.

Manual override will be supplied for each stabilizer control valve.

A "Stabilizers Not Stowed" indicator will be provided in the driver's compartment. It will illuminate automatically whenever the stabilizers are not fully stowed to prevent damage to the apparatus if

moved. The stabilizer system will also be wired to the "Do Not Move Indicator Light", which will flash whenever the apparatus parking brake is not fully engaged and the stabilizers are not fully stowed.

CRADLE INTERLOCK SYSTEM

A cradle interlock system will be provided, to prevent the lifting of the aerial from the nested position, until the operator has positioned all the stabilizers in a load supporting configuration. A switch will be installed at the cradle, to prevent operation of the stabilizers once the aerial has been elevated from the nested position.

STABILIZER PAN AND TRIM MATERIAL

The aerial stabilizer pans will be stainless steel, painted to match the lower body color and the aerial stabilizer trim will be painted to match lower body color .

STABILIZER CONTROL BOX DOOR

A vertically hinged smooth aluminum door will be provided over the stabilizer control box. The door will be hinged along the inboard edge and provided with a Southco C2 black powder coated raised trigger latch.

STABILIZER PLACEMENT

There will be two (2) cameras provided and installed on the body, one (1) directly above each stabilizer. The cameras will be activated with a switch in the cab and will provide a picture to specify the fully extended stabilizer position allowing the driver the ability to position the vehicle with the proper clearance for stabilizer deployment.

HYDRAULIC SYSTEM

All hose assemblies will be assembled and crimped by the hose manufacturers certified technician.

All manufacturing employees responsible for the installation of hydraulic components will be properly trained. Training will include: proper handling, installation, torque requirements, cleanliness and quality control procedures for hydraulic components.

Hoses used in the aerial hydraulic system will be of a premium quality hose with a high abrasion resistant cover. All pressure hoses will have a working pressure of 4000 psi and a burst pressure rating of 16,000 psi.

All hydraulic fittings and tubing will be plated or constructed of 304 stainless steel to minimize corrosion.

The fitting will use an O-ring seal where possible to minimize hydraulic leaks.

An interlock will be provided that prevents activation of the hydraulic pump until the transmission is placed in neutral and the parking brake is set as outlined in the current NFPA 1901 standard.

The system will meet the performance requirement of the current NFPA 1901 standard, which requires adequate cooling less than 2.5 hours of operations.

All hydraulic components that are non-sealing whose failure could result in the movement of the aerial will comply with current NFPA 1901 standards and have burst strength of 4:1.

Dynamic sealing components whose failure could cause aerial movement will have a margin of 2:1 on maximum operating pressure per the current NFPA 1901 standard.

All hydraulic hoses, tubes, and connections will have a minimum burst strength of 3:1 per the current NFPA 1901 standard.

A chassis mounted positive displacement piston pump for consistent pressure and rapid responses will supply hydraulic power for all aerial operations. The positive displacement pump will provide 3,000psi. The hydraulic pump will be solely dedicated to aerial operations.

Each aerial will be evaluated as to the region and climate where it will be used to determine the optimum viscosity and proper oil grade. Oil viscosity will be based on an optimum range of 80 to 1000 SUS during normal aerial use. Before shipment of the unit, an oil sample will be taken and analyzed to confirm the oil is within the allowable ISO grade tolerance.

The aerial hydraulic system will have a minimum oil cleanliness level of ISO 18/15/13 based on the ISO 4406:1999 cleanliness standard. Each customer will receive a certificate of actual cleanliness test results and an explanation of the rating system.

Oil samples can be taken from the hydraulic manifold GP1 port which is also used for verifying system pressure.

Ball valves will be provided in the hydraulic suction lines to permit component servicing without draining the oil reservoir.

The aerial will incorporate the use of trombone steel tubes inside the stabilizer beams to eliminate hydraulic hose wear and leaks.

Hydraulic power to the ladder will be transferred from the pedestal by a hydraulic swivel.

The system hydraulic pressure will be displayed on the turntable display.

The hydraulic system will be additionally protected from excessive pressure by a secondary pressure relief valve set at 3,500 psi. In the event the main hydraulic pump compensator malfunctions, the secondary relief will prevent system damage.

HYDRAULIC CYLINDERS

All cylinders used on the aerial device will be produced by a manufacturer that specializes in the manufacture of hydraulic cylinders.

Each cylinder will include integral safety holding cartridges. No manifold or transfer tube mounted cartridge will be acceptable.

Each cylinder will be designed to a minimum safety factor of 4:1 to failure.

All safety holding cartridges will be installed at the cylinder manufacturer, in a controlled clean environment to avoid possible contamination and or failure.

POWER TAKEOFF/HYDRAULIC PUMP

The apparatus will be equipped with a power takeoff driven by the chassis transmission and actuated by an electric shift, located inside the cab. The power takeoff which drives the hydraulic pump will meet all the requirements for the aerial unit operations.

An amber indicator light will be installed on the cab instrument panel to notify the operator that the power takeoff is engaged.

An interlock will be provided that allows operation of the aerial power takeoff shift only after the chassis spring brake has been set and the chassis transmission has either been placed in the neutral position or drive position after the driveline has been disengaged from the rear axle.

The hydraulic system will be supplied by a variable displacement load and pressure compensating piston pump. The pump will meet the demands of all three simultaneous aerial functions. The pump will provide proper flow for single aerial function with the engine at idle speed. A switch will be provided on the control console to increase the engine speed for multiple function operation.

EMERGENCY PUMP

The hydraulic system will be designed with an auxiliary power unit meeting the guidelines of the current NFPA 1901 standard.

The aerial will be equipped with an emergency hydraulic pump, electrically driven from the truck batteries. The pump will be capable of running for 30 minutes for limited aerial functions to stow the unit in case of a main pump or truck system failure. A momentary switch will be located at the stabilizer and aerial control locations to activate the emergency pump.

AERIAL CONTROL VALVE

The aerial hydraulic control valve will be designed with special spool flows, limiting the oil flow for the designed function speed. The valve will be electrically controlled and be located below the swivel and integrated with the stabilizer control manifold. The handles will be oriented outward and will be spaced 1.80" apart. The valve spools will be designed to bleed off downstream pressure, in the neutral position and allow proper sealing of any cylinder holding cartridge.

OIL RESERVOIR

The oil reservoir will have a minimum capacity of 39 gallons. The oil fill location will be easily accessible and be labeled "Hydraulic Oil Only" and also indicate the grade of oil that is installed in the reservoir. A drain port will be provided.

Two suction ports will be provided, one for the main hydraulic pump and one for the emergency pump. The emergency suction port will be raised slightly off the bottom of the reservoir.

Magnetic filter will be installed in line with the return hose.

A float type sending unit in the reservoir will provide an indication of oil level on an electronic display. A temperature sending unit in the reservoir will provide indication of the oil temperature on an electronic display.

The hydraulic oil reservoir will be labeled per the current edition of NFPA 1901 standard.

RETURN FILTER

The low pressure oil return filter will be remote mounted in the return line and designed to prevent oil loss during filter change. A 50 psi bypass will be included to protect the element and hydraulic system during lower than normal operating temperatures. The system will incorporate the following filter to provide dependable service:

- return filter: beta 1000 at 6 micron

HYDRAULIC SWIVEL

The aerial ladder will be equipped with a three (3) port, high pressure hydraulic swivel which will connect the hydraulic lines from the hydraulic pump and reservoir through the rotation point to the aerial control bank. The hydraulic swivel will allow for 360 degree continuous rotation of the aerial.

ELECTRIC SWIVEL

The ladder will be equipped with an electric swivel to allow 360 degrees rotation of the aerial while connecting all electrical circuits through the rotation point. A minimum of 36 collector rings will be provided that are capable of supplying 20 amp continuous service. All collector rings will be enclosed and protected with desiccant plugs against condensation and corrosion. No oil or silicone will be used.

WATER SWIVEL

Water will be transferred to the aerial waterway by means of a 5.00" internal diameter waterway, through the swivel, permitting 360 degree continuous rotation.

13-BIT ABSOLUTE ENCODER

The aerial ladder will be equipped with a 13-Bit Absolute Encoder which provides 8192 counts per shaft turn for position and direction reference.

The 13-Bit Absolute Encoder will provide a unique binary word to reference each position and direction for all 360 degrees of rotation.

If the power is interrupted for any reason, the 13-Bit Absolute Encoder will allow power to be returned to the system without having to re-zero the settings.

The 13-Bit Absolute Encoder will be an integral part of a micro-processor based control system.

ELECTRICAL SYSTEM

The aerial device will utilize a microprocessor-based control system. The system will consist of the following components:

- Control System Modules

Each of the control system modules will be configured as follows:

- Sealed to a NEMA 4X rating
- Operating range from -40 degrees F to 156 degrees F (-40 degrees C to 70 degrees C)
- Communicate using J1939 data link
- Two (2) diagnostic LED lights
 - One (1) green light that illuminates when module has power (B+) and ground

- One (1) red light that flashes to indicate the module is capable of communicating via the data link
- Up to 16 diagnostic LEDs on each module
- Ground matrix identification system

The following control system modules will be used:

- Control Module
 - Main controller for the system
 - USB connection allows for computer diagnostics
- Power Module
 - Built-in fault sensing
 - Eight (8) digital outputs
 - Pulse width modulating (PWM) capable
 - 10A continuous per output
 - Circuit protection based on actual current draw (not affected by heat)
- Current Control Module
 - Built-in fault sensing
 - Three (3) analog inputs
 - Eight (8) digital outputs
 - Pulse width modulating (PWM) capable
 - 3A continuous per output
 - Closed Loop System
 - Circuit protection based on actual current draw (not affected by heat)
- Input Module
 - 16 software selectable (digital or analog) inputs
- Output Module
 - 16 digital outputs
- Input/Output Module
 - Eight (8) software selectable (digital or analog) inputs
 - Eight (8) digital outputs
- Valve Module
 - 36 digital inputs
 - 36 digital outputs

TIP LIGHT

There will be one (1) HiViz Model FT-MB-2.18-*-* , 19,008 raw lumens 21.00" long x 3.00" high x 3.3" deep 12 volt DC lights with white LEDs, FT-MBKIT-PX end mounts and a combination of flood and spot optics installed on the front of the basket. The painted parts of the light housing and brackets to be painted job color.

The lights will be controlled from a switch at the turntable and tip.

TRACKING LIGHTS

There will be two (2) Whelen® MPB*, 5,695 lumens 12 volt DC LED lights with bail bracket mounts installed near the tip of the base section of the aerial device. The lights are installed at the tip so the overall width of the apparatus is not affected. The lights will be mounted below the top edge of the aerial device so the overall height of the apparatus is not affected.

- One (1) located on the left side with wide flood optics
- One (1) located on the right side with wide flood optics
- The painted parts of this light assembly to be job color.

Power to the lights will be controlled by a master on/off switch at the turntable control operator's position.

BASKET ACCESS

Access to the basket will be provided by a pull-out, swing-down climbing ladder. The 2.25" deep climbing ladder surfaces will be constructed with Traction Tread®. The bottom step will be a flip-down, stirrup step. The access ladder will be recessed into the angled corners of the rear body on each side.

The step well will be brushed stainless steel.

All stepping surfaces will have a height not greater than 14.00" from top surface to top surface.

The bottom stepping height will not exceed 24.00" from the ground to the top of the stepping surface at any time.

A Hansen illuminated black anodized handrail with e-coated and black powder coated stanchions will be provided on the top of the body and at the top of the interior step well assembly. The end stanchions will be provided by Hansen. The lights will be activated by the same means as the cab handrail light controls. The lights will be red.

STEP LIGHTS

There will be two (2) white LED step lights with chrome housing provided for each set of aerial basket access steps.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

The step lights will be actuated when parking brake is applied.

These lights will meet NFPA requirements for step lighting.

AERIAL LOCATOR LIGHT

There will be two (2) Whelen®, Model VTX609*, 1.00" high x 2.25" in diameter flashing LED modules with black trim installed at the aerial tip for the purpose of locating the aerial device while in operation.

Both modules will be activated whenever the aerial is raised from the cradle.

The color of the locator light will be one (1) green light on the left and one (1) red light on the right.

The lens color will be clear.

LIGHTING ON AERIAL DEVICE

There will be TecNiq, Model D02, LED rung lighting provided on both sides of the aerial ladder base, lower mid, middle, upper mid and fly sections. The lighting will be located adjacent to the ladder rungs along the lower rail of the ladder sections and will run the length of the ladder section.

The color of the sections will be per the following:

- The base section of the ladder to be blue.
- The lower mid section of the ladder to be blue.
- The mid section of the ladder to be blue.
- The upper mid section of the ladder to be blue.
- The fly section of the ladder to be blue.

The LED rung lighting will be activated when the aerial master switch is activated, a switch within reach of the driver is activated and a switch at the turntable operator's panel is activated through the master battery switch.

The lights may be load managed when the parking brake is applied.

STABILIZER WARNING LIGHTS

There will be four (4) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning lights with black trim provided, one (1) on each stabilizer cover panel per the following:

- The left side rear stabilizer pan warning light to include red LEDs
- The left side front stabilizer pan warning light to include red LEDs
- The right side front stabilizer pan warning light to include red LEDs
- The right side rear stabilizer pan warning light to include red LEDs
- The warning light lens color(s) to be clear

The lights will be activated by the same switch as the side warning lights.

STABILIZER BEAM WARNING LIGHTS

Two (2) 4.00" diameter red LED flashing lights will be mounted on each stabilizer, one (1) facing forward and one (1) facing rearward. The lights will be Grote Supernova 40 series LED lights. The lights will be recessed in the horizontal beam of the stabilizer. These warning lights will be activated with the aerial master switch.

STABILIZER SCENE LIGHTS

There will be one (1) Amdor®, Model AY-LB-12HW012, 190 lumen, 12" long, white LED strip light installed under each stabilizer beam to illuminate the surrounding area. A total of six (6) lights will be installed. The lights will be activated by the aerial master switch.

DC POWER CABLE TO TIP

There will be a cable installed in the aerial device to provide 12.88 amps @ 12 volts DC to the tip of the aerial device.

UNDER PLATFORM LIGHTING

There will be two (2) HiViz Model FT-MB-9-*-* , 4,752 raw lumens 2.06" high x 12.21" long x 2.45" deep light(s) with white LEDs, a combination of flood and spot optics and Model FT-MBKIT-LPX adjustable mount(s) provided under the left side front corner basket step and the right side front corner basket step. The painted parts of the light housing and brackets to be black.

The light(s) will be controlled from a switch(es) at the platform/tip and turntable.

2-WAY AERIAL COMMUNICATION SYSTEM

There will be a Fire Research model ICA910 two-way intercom system provided. The control module with an LED volume display and push-button volume control will be located on the turntable operator console.

A hands free module will be located at the aerial tip or platform and constantly transmit to the other module unless the control module push-to-talk button is pressed.

Each intercom unit will be weatherproof.

BREATHING AIR

Breathing air will be supplied to the aerial platform. The air system will incorporate one (1) 6000 psi, 509 cubic foot ASME cylinder. To allow the turntable operator an unobstructed view of the platform the cylinders will be mounted on the left side of the aerial base section while viewed from the turntable. A pressure regulator located at the air cylinder. A shutoff valve with guard will be provided on the cylinder. The air will be routed to the platform using hose especially designed for use in breathing air systems. At the platform, the breathing air will be accessible via two (2) quick couplings for air masks. These will have a Hansen brass 3000 series coupling. Two (2) couplings will be located at the rear of the basket, one (1) on each side. There will be no mask box. A 100' recharge hose will be provided for refilling the air cylinder without having to remove the tank from its mounting.

The air cylinder will be designed and constructed to conform to the requirements of the American Society of Mechanical Engineers' Pressure Vessel Code per OSHA 29 CFR 1910.169 for transporting compressed air.

BREATHING AIR LEVEL AND WARNING SYSTEM

The level of breathing air remaining will be visible on the LCD display at all operating positions. The display will incorporate a low-pressure warning circuit that activates an audible alarm when 20% maximum air cylinder capacity remains. A second, louder audible alarm will activate when the remaining air level drops to 10% of maximum air cylinder capacity.

AERIAL PEDESTAL

The aerial pedestal will accommodate the height of the cab.

LYFECOMBO™ BRACKETS

Brackets will be provided to increase the safety of firefighters during fire ground and rescue operations. The removable brackets will have the following three (3) functions: securing a roof ladder to the basket, two (2) rappelling anchor points, and mounting bars to allow the secure mounting of a rescue basket stretcher.

LyfeLadder™ brackets will be designed to allow firefighter access below the basket using up to a 20' roof ladder. The ladder will be secured through its beams and one (1) rung, by a 1.00" diameter aluminum rod capable of being positively latched in place and able to withstand a minimum of a 500lb load. There will be a latch to keep the ladder in a vertical position at all times. A set of nylon guides will be provided to aid in positioning the roof ladder on the mounting brackets.

Two (2) **LyfeEye™** rappelling arms will be provided. Forged stainless steel eyebolts with a 1.38" inside diameter will be incorporated into the design of the brackets for use as a rappel line anchor. Each anchor point will have a capacity of 300lb.

LyfeSupport™ rescue basket support brackets will be provided to allow patient transport using the aerial. Two (2) quick clip basket straps will be used to secure the basket to the brackets.

Strain gauging and testing will have been completed on the system (ladder and complete holding device) to ensure structural integrity of all components and maintain a minimum of two to one (2:1) safety factor.

AIR HORN CONTROL AT AERIAL TURNTABLE

An air horn control button will be provided at the aerial turntable. This button will be red in color and properly labeled. Collector ring space must be available for this option to be utilized.

AERIAL TURNTABLE MANSAVER™ BAR

A ManSaver™ bar will be red in color and installed at the aerial turntable.

AERIAL WATERWAY

The aerial waterway will be capable of being supplied by either a midship mounted pump or an external water source through a 5.00" intake at the side of the apparatus.

A 5.00" water swivel will be installed below the aerial turntable permitting the ladder to rotate 360 degrees continuously.

A 5.00" water swivel will be installed at the aerial heel pivot pin that will permit water tower operations of -15 degrees to 77 degrees. The heel pivot pin will not be integral with the waterway swivel at any point. The waterway design will allow complete servicing of the waterway swivel without disturbing the heel pivot pin.

A telescoping aluminum waterway will be installed on the side of the aerial ladder sections. The waterway will consist of a 5.50" diameter tube for the base section, 5.00" diameter tube for the lower

mid section, 4.50" diameter tube for the center mid section, 4.00" diameter tube for the upper mid section, and 3.50" diameter tube for the fly section.

A 1.50" drain will be provided for the waterway. The drain will be located below the body on the right side rearward of the running board .

WATERWAY SEALS

The waterway seals will be of type-B PolyPak design, composed of nitroxile seal and a nitrile wiper, which together offer maximum stability and extrusion resistance on the waterway. The seal will be capable of withstanding pressures up to 2000 psi, temperatures in excess of 250 degrees Fahrenheit and have resistance to all foam generating solutions. The seals will be internally lubricated.

The waterway seals will have automatic centering guides constructed of synthetic thermalpolymer. The guides will provide positive centering of the extendible sections within each other and the base section to insure longer service life and smoother operation.

PLATFORM WATER SYSTEM

A 4.00" (internal diameter) water swivel will connect the fly section waterway to the platform waterway. The water swivel will permit water tower operations from -15 degrees to 77 degrees. The water will be routed from the swivel to a 4.00" gear operated valve(s) on the front of the platform using a combination of 4.00" tubes and piping. The monitor(s) will be bolted onto the valve(s).

A 2.50" preset pressure relief valve will be provided in the waterway system. It will be designed to protect the aerial waterway from excess pressure. It will dump water to the ground when operating.

A shower nozzle rated at 75 gpm will be provided beneath the platform for heat protection for the platform personnel. A direct linkage control for the shower nozzle will be provided.

VALVE UNDER MONITOR

A TFT Valve Under Monitor (VUM) valve and manifold will be provided under each monitor at the aerial platform. Each VUM will be manually controlled at the basket with a crank control. The outboard facing port of each VUM will have one (1) gated elbow with 2.50" NH threads. One (1) 1.50" x 2.50" reducer and cap will be provided on the gated elbow. All remaining ports of the VUM will be provided with a blind plug.

An automatic ball drain will be provided on each VUM.

AERIAL MONITOR

There will be two (2) Task Force Tips Model Y4-EP1A-P monitors provided at the front of the platform. One monitor will be supplied with a TFT 2000 gpm Model M-ERP2000 electric nozzle and the other monitor will be supplied with a TFT YST-4NN stacked tips.

The controls for the electronic monitors will be located at the platform and the turntable control console.

WATERWAY FLOWMETER

Waterway flow, including total water flowed, will be monitored by the microprocessor. An LCD display will be located at the upper and lower control stations.

WATERWAY INLET

There will be a 5.00" schedule 10 stainless steel inlet pipe on the right side of the apparatus. The inlet will be connected to the base of the ladder, through the turntable swivel, to assure continuous rotation. The inlet will terminate with a 5.00" NST chrome adapter and a long handled chrome cap.

MANUALS

The aerial manufacturer will provide two (2) operator maintenance manuals and two (2) wiring diagrams pertaining to the aerial device.

INITIAL INSTRUCTION

On initial delivery of the fire apparatus, the contractor will supply a qualified representative to demonstrate the apparatus and provide initial instruction to the fire department regarding the operation, care, and maintenance of the apparatus for a period of four (4) consecutive days.

LOOSE EQUIPMENT

The following equipment will be furnished with the completed unit:

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT

The following loose equipment as outlined in NFPA 1901, 2016 edition, section 9.9.3 and 9.9.4 will be provided by the fire department.

- 800 ft (240 m) of 2.50" (65 mm) or larger fire hose, in any combination.
- 400 ft (120 m) of 1.50" (38 mm), 1.75" (45 mm), or 2.00" (52 mm) fire hose, in any combination.
- One (1) handline nozzle, 200 gpm (750 L/min) minimum.
- Two (2) handline nozzles, 95 gpm (360 L/min) minimum.
- One (1) playpipe with shutoff and 1.00" (25 mm), 1.125" (29 mm), and 1.25" (32 mm) tips.
- One (1) SCBA complying with NFPA 1981 for each assigned seating position, but not fewer than four (4), mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer.
- One (1) spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space(s).
- One (1) first aid kit.
- Four (4) salvage covers, each a minimum size of 12 ft x 14 ft (3.6 m x 5.5 m).
- Four (4) combination spanner wrenches.
- Two (2) hydrant wrenches.
- One (1) double female 2.50" (65 mm) adapter with National Hose threads.
- One (1) double male 2.50" (65 mm) adapter with National Hose threads.
- One (1) rubber mallet, for use on suction hose connections.
- Four (4) ladder belts meeting the requirements of NFPA 1983.
- One (1) 150 ft (45 m) light-use life safety rope meeting the requirements of NFPA 1983.
- One (1) 150 ft (45 m) general-use life safety rope meeting the requirements of NFPA 1983.

- One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, *Standard for High Visibility Public Safety Vests*, and have a five-point breakaway feature that includes two (2) at the shoulders, two (2) at the sides, and one (1) at the front.
- Five (5) fluorescent orange traffic cones not less than 28.00" (711 mm) in height, each equipped with a 6.00" (152 mm) retro-reflective white band no more than 4.00" (152 mm) from the top of the cone, and an additional 4.00" (102 mm) retro-reflective white band 2.00" (51 mm) below the 6.00" (152 mm) band.
- Five (5) illuminated warning devices such as highway flares, unless the five (5) fluorescent orange traffic cones have illuminating capabilities.
- One (1) automatic external defibrillator (AED).
- If the supply hose carried does not use sexless couplings, an additional double female adapter and double male adapter, sized to fit the supply hose carried, will be carried mounted in brackets fastened to the apparatus.
- If none of the pump intakes are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side will be carried. Any intake connection larger than 3.00" (75 mm) will include a pressure relief device that meets the requirements of 16.6.6.
- If the apparatus does not have a 2.50" National Hose (NH) intake, an adapter from 2.50" NH female to a pump intake will be carried, mounted in a bracket fastened to the apparatus if not already mounted directly to the intake.
- If the supply hose carried has other than 2.50" National Hose (NH) threads, adapters will be carried to allow feeding the supply hose from a 2.50" NH thread male discharge and to allow the hose to connect to a 2.50" NH female intake, mounted in brackets fastened to the apparatus if not already mounted directly to the discharge or intake.

SOFT SUCTION HOSE

There will be no soft suction hose provided.

- One (1) extinguisher, 10 pound, CO2

DRY CHEMICAL EXTINGUISHER

There will be One (1) extinguisher, 20 lb dry chemical extinguisher(s) provided.

WATER EXTINGUISHER

Two (2) extinguishers,, 2.50 gallon pressurized water, will be provided.

FLATHEAD AXE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, Section 9.9.4 requires one (1) flathead axe mounted in a bracket fastened to the apparatus.

The axe is not on the apparatus as manufactured. The fire department will provide and mount the axe.

PICKHEAD AXE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, Section 9.9.4 requires one (1) pickhead axe mounted in a bracket fastened to the apparatus.

The axe is not on the apparatus as manufactured. The fire department will provide and mount the axe.

PAINT PROCESS

The exterior custom cab and body painting procedure will consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Imperfections on the exterior surfaces will be removed and sanded to a smooth finish. Exterior seams will be sealed before painting. Exterior surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.
2. Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion.
3. Surfacer Primer - The Surfacer Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surfacer Primer is applied to surfaces that require a Critical aesthetic finish. The Surfacer Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
4. Finish Sanding - The Surfacer Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.
5. Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surfacer Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when topcoated.
6. Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
7. Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacturer.

After the cab and body are painted, the color will be verified to make sure that it matches the color standard. Electronic color measuring equipment will be used to compare the color sample to the color standard entered into the computer. Color specifications will be used to determine the color match. A Delta E reading will be used to determine a good color match within each family color.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and painted separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.

The paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) are to meet or exceed Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels are to meet or exceed the #6 A.C.T. standard in critical areas. The manufacture's written paint standards will be available upon request.

Environmental Impact

Contractor will meet or exceed all current state regulations concerning paint operations. Pollution control will include measures to protect the atmosphere, water and soil. Controls will include the following conditions:

- Topcoats and primers will be chrome and lead free.
- Metal treatment chemicals will be chrome free. The wastewater generated in the metal treatment process will be treated on-site to remove any other heavy metals.
- Particulate emission collection from sanding operations will have a 99.99 percent efficiency factor.
- Particulate emissions from painting operations will be collected by a dry filter or water wash process. If the dry filter is used, it will have an efficiency rating of 98 percent. Water wash systems will be 99.97 percent efficient
- Water from water wash booths will be reused. Solids will be removed on a continual basis to keep the water clean.
- Paint wastes are disposed of in an environmentally safe manner.
- Empty metal paint containers will be recycled to recover the metal.
- Solvents used in clean-up operations will be recycled on-site or sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus will not be manufactured with or contain products that have ozone depleting substances. Contractor will, upon demand, present evidence that the manufacturing facility meets the above conditions and that it is in compliance with his state EPA rules and regulations.

CAB TWO-TONE PAINT

The cab will be painted two-tone, with the upper section painted #479 charcoal metallic and the lower section painted #90 red. There will be a special cab paint break designed and shown on the lettering and striping print.

There will be a special cab shield designed and shown on the lettering and striping print.

BODY PAINT

The body will be painted to match the lower section of the cab.

PAINT/SEAL CHASSIS FRAME ASSEMBLY

The following components will be treated with epoxy E-coat protection prior to finish paint:

- Two (2) C-channel frame rails
- Two (2) frame liners

The E-coat process will meet the technical properties shown.

Before the frame rails are finish painted, all areas will be sealed with a 3M 2084 metal sealant after the components are torqued to the frame rails:

- The joint between the main frame and the liner
- The joint between all crossmembers and the frame
- The joint between all spring hangers and the frame.

FILM TECHNICAL PROPERTIES		
PROPERTY	TEST METHOD	PERFORMANCE
Color	-	Black
Film Thickness	-	0.5 - 1.5 Mils
Gloss - 60 Degree	ASTM D523	65 - 85
Pencil Hardness	ASTM D3363	2H Minimum
Direct Impact	ASTM D2794	100 in. - lbs. Minimum
Reverse Impact	ASTM D2794	60 in. - lbs. Minimum
Crosshatch Adhesion	ASTM D3359	4B - 5B
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Gravelometer	GM9508P	6 Minimum
Throwpower	GM9535P	12 - 15 in.

Cold rolled steel lab panels, Zinc Phosphate pretreatment, 0.6 mils average film thickness, cured 20 minutes @ 350°F.

PROPERTY	SUBSTRATE PRETREATMENT	SALT SPRAY* 1000 HOURS
Corrosion Resistance	CRS / Zinc Phos / Non-Chrome	1 - 2 mm

*Salt Spray - ASTM B117, cold rolled steel lab panels cured 20 minutes @ 350°F. [Average Total Scribe Creep]

The chassis frame assembly will be finished with a single system black top coat before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc.

Components that are included with the chassis frame assembly that will be finish painted are:

- Frame rails
- Frame liners
- Cross members
- Axles
- Suspensions
- Steering gear
- Battery boxes
- Bumper extension weldment
- Frame extensions
- Body mounting angles
- Rear Body support substructure (front and rear)
- Pump house substructure
- Air tanks
- Steel fuel tank
- Castings
- Individual piece parts used in chassis and body assembly

After the chassis frame assembly is finish painted, the following non-torqued joints will be sealed with a SG-510A rust-proofing compound:

- All bolted on chassis components that could be vulnerable to rust, i.e. body mounting angles, air tanks, etc.

To summarize, all metal to metal contact components that are prone to rust, will be protected.

PAINT, REAR WHEELS

All wheel surfaces, inside and outside, will be provided with paint black #101.



[Powder Coat Aluminum Paint Color]

AXLE HUB PAINT

All axle hubs will be painted black #101.

PAINTED RAIN DRIP

The cab roof rain drip will be painted to match the cab roof paint color.

TRANSIT COATING

All non-painted metal surfaces on the exterior of the vehicle will be sprayed with a corrosion protective coating provided by Carwell. The coating can be removed with soap and water. The coating is made of a linseed oil base and is biodegradable.

The underside non-painted metal surfaces will also be coated with a corrosion protective coating.

COMPARTMENT INTERIOR FINISH

The interior of the compartments will be dual action finished and not painted.

AERIAL DEVICE PAINT COLOR

The aerial device paint procedure will consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the aerial device structural components above the rotation point will be thoroughly cleaned and mechanically shot-blasted to remove metal impurities and prepare the aerial for painting.
2. Zinc Rich Primer - Zinc rich primer will be applied to the torque box and stabilizers.

3. Primer/Surfacer Coats - A two (2) component epoxy primer/surfacer will be applied to the mechanically shot-blasted metal surfaces to provide a strong corrosion protective base coat and to smooth out the surface. All seams will be caulked with a two (2) component epoxy caulk before painting.
4. Hand Sanding - The primer/surfacer coat of the outer surfaces of the hand rails and base rails will be lightly sanded to a smooth finish.
5. Primer Coat - A two (2) component epoxy primer coat will be applied over the sanded primer.
6. Topcoat Paint - Urethane base coat will be applied to opacity for correct color matching.
7. Clear Coat - Two (2) coats of an automotive grade two (2) component urethane will be applied.

Surfaces that will not be painted include all chrome plated, polished stainless steel, anodized aluminum and bright aluminum treadplate.

All buy out components, such as monitor, nozzle, gauges, etc. will be supplied as received from the vendor.

Removable items such as brackets will be removed and painted separately to ensure paint coverage behind all mounted items.

The aerial device components will be painted as follows using the aforementioned seven (7) step finishing process:

- Aerial basket and basket leveling cylinders at tip: charcoal metallic 479
- Aerial device ladder sections and extension cylinders: charcoal metallic 479
- Aerial turntable and leveling cylinders (if applicable) at turntable: charcoal metallic 479
- Aerial control console: charcoal metallic 479
- Aerial lift cylinders: charcoal metallic 479
- Aerial rotation motor (if applicable): black
- Aerial torque box, support structure and components below the rotation point: gloss black primer
- Aerial stabilizers (middle and rear only): red 90
- Aerial boom support: gloss black primer

REFLECTIVE STRIPES

A 10.00" wide reflective stripe, (no spacing between stripes), will be provided across the front of the vehicle and along the sides of the body. The reflective band will consist of:

- 1.00" black Stripe
- 1.00" black Stripe
- 6.00" black Stripe
- 1.00" black Stripe

- 1.00" black Stripe.

The reflective band provided on the cab face will be below the headlights on the fiberglass.

REAR CHEVRON STRIPING

There will be alternating chevron striping located on the rear-facing vertical surface of the apparatus. Covered surfaces will include the rear wall and aluminum doors. Rear compartment doors, stainless steel access doors, and the rear bumper will not be covered.

The colors will be Yellow V98-18 and Red V98-12 oralite.

Each stripe will be 6.00" in width.

This will meet the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface will be covered with chevron striping.

REFLECTIVE STRIPE ON STABILIZERS

There will be 4.00" wide alternating Yellow V98-18 oralite and Red V98-12 oralite reflective chevron stripes provided on the forward and rear facing sides of both aerial stabilizers. The stripes will be angled at a 45 degree angle.

CHEVRON, INVERTED "V" STRIPING ON CAB AND CREW CAB DOORS

There will be alternating chevron striping located on the inside of each cab and crew cab door in an arrow shape pattern.

The colors will be V98 Solid Red and V98 Fluorescent Lime Oralite material.

Each stripe will be 4.00" in width.

CAB STRIPE

There will be a reflective stripe provided on both sides of the cab in place of the chrome molding.

CAB STRIPE

There will be a genuine gold leaf stripe on each side of the cab, low and over the fender.

CAB FACE STRIPE

There will be a genuine gold leaf striped corner on each front corner of the cab.

LETTERING

The lettering will be totally encapsulated between two (2) layers of clear vinyl.

LETTERING

Sixty-one (61) to eighty (80) genuine gold leaf lettering, 3.00" high, with outline and shade will be provided.

BODY STRIPE

There will be a genuine gold leaf stripe provided on each side of the body, low and over the fender along the bottom of the compartment doors.

LETTERING

Twenty-one (21) to forty (40) genuine gold leaf lettering, 11.00" high, with outline and shade will be provided.

LETTERING

Sixty-one (61) to eighty (80) genuine gold leaf lettering, 1.00" high, with outline and shade will be provided.

LETTERING

There will be reflective lettering, 12.00" high, with outline and shade provided. There will be five (5) letters provided.

LETTERING

One hundred forty-one (141) to one hundred sixty (160) reflective lettering, 4.00" high, with outline and shade will be provided.

LETTERING

There will be reflective lettering, 6.00" high, with outline and shade provided. There will be ten (10) letters provided.

LETTERING

One (1) to twenty (20) reflective lettering, 10.00" high, with outline and shade will be provided.

LETTERING

Twenty-one (21) to forty (40) reflective lettering, 7.00" high, with outline and shade will be provided.

LETTERING

Forty-one (41) to sixty (60) reflective lettering, 11.00" high, with outline and shade will be provided.

LETTERING

Twenty-one (21) to forty (40) reflective lettering, 12.00" high, with outline and shade will be provided.

EMBLEM

There will be a total of one (1) 24.00" high reflective emblem(s) installed r1 door.

EAGLE HOSE NUMBER 3 EMBLEM

A pair of emblems, up to 13.00" in diameter, featuring a flying American flag and an eagle holding a fire hose, all within a gold leaf circle, will be installed d2 and p2. Black lettering with the saying, "Over 100 years of dedicated service", will be within the gold leaf circle. The design will be color imaged.

ARTWORK ON CUSTOM USB DRIVE

There will be a custom USB drive with department specific artwork files provided to the Fire Department.

Stock artwork, or artwork developed exclusively by Pierce Manufacturing, and proprietary fonts will not be included on the USB drive.

EMBLEM

There will be four (4) reflective emblem(s), approximately 14.00" - 16.00" in size, installed crew cab door and 2 shipped loose. the emblem will be modeled after the department submitted information (art, patch, etc).

EMBLEM

There will be four (4) vinyl emblem(s), approximately 28.00"-30.00" in size, installed TBD BY CUSTOMER. the emblem will be modeled after the department submitted information (art, patch, etc).

E-COATING OF STEEL COMPONENTS

The following components will be treated with an epoxy E-coat to provide resistance to corrosion and chemicals:

- TAK-4® weldments (side plates and side plate interconnecting structure members) (if applicable)
- Torsion bar anchor weldments (if applicable)
- Bumper extension weldment
- Body mounting angles
- Rear body support weldment
- Front and rear under body support weldments
- Pump house substructure (walkway if applicable)

The following components will not be e-coated:

- Air tanks
- Fuel Tank
- Castings
- Individual piece parts used in chassis and body assembly
- Rear T3 components

The e-coated parts will have a black top coat as well to provide an additional layer of protection and provide a consistent finish.

E-COATING OF WATER TANK CRADLE

The water tank cradle will be treated with an epoxy E-coat to provide resistance to corrosion and chemicals. The e-coated cradle will have a black top coat as well to provide an additional layer of protection and provide a consistent finish.

UNDERCOATING, CAB & BODY

The apparatus will be properly treated by an authorized Ziebart dealer.

The underside of the apparatus will be undercoated with an asphalt petroleum based material, dark in color.

The undercoating material utilized on the apparatus will be formulated to resist corrosion and deaden unwanted sound or road noise.

Coating texture will appear firm, flexible, and resistant to abrasion. Minimum dry film thickness will be in the range of 8.00 to 12.00 mils.

The material will be applied to the following areas:

Body and cab wheel well fender liners, on the back side only.

Underside of body and cab sheet metal, and structural components.

Underside and vertical sides of all sheet metal compartmentation, including support angles.

Structural support members under running boards, rear platforms, battery boxes, walkways, etc.

Inside surfaces of the pump heat enclosure, (when installed).

FIRE APPARATUS PARTS MANUAL

There will be one (1) custom parts manual(s) in USB flash drive format for the complete fire apparatus provided.

The manual(s) will contain the following:

- Job number
- Part numbers with full descriptions
- Table of contents
- Parts section sorted in functional groups reflecting a major system, component, or assembly
- Parts section sorted in alphabetical order
- Instructions on how to locate parts

Each manual will be specifically written for the chassis and body model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

Service Parts Internet Site

The service parts information included in these manuals are also available on the Pierce website. The website offers additional functions and features not contained in this manual, such as digital photographs and line drawings of select items. The website also features electronic search tools to assist in locating parts quickly.

CHASSIS SERVICE MANUALS

There will be one (1) chassis service manuals on USB flash drives containing parts and service information on major components provided with the completed unit.

The manual will contain the following sections:

- Job number
- Table of contents
- Troubleshooting
- Front Axle/Suspension
- Brakes

- Engine
- Tires
- Wheels
- Cab
- Electrical, DC
- Air Systems
- Plumbing
- Appendix

The manual will be specifically written for the chassis model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

CHASSIS OPERATION MANUAL

The chassis operation manual will be provided on one (1) USB flash drive.

ONE (1) YEAR MATERIAL AND WORKMANSHIP

A Pierce basic apparatus limited warranty certificate, WA0008, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce custom chassis limited warranty certificate, WA0284, is included with this proposal.

ENGINE WARRANTY

A Cummins **five (5) year** limited engine warranty will be provided. A limited warranty certificate, WA0181, is included with this proposal.

STEERING GEAR WARRANTY

A Sheppard **three (3) year** limited steering gear warranty will be provided. A copy of the warranty certificate will be submitted with the bid package.

FIFTY (50) YEAR STRUCTURAL INTEGRITY

The Pierce custom chassis frame and crossmembers limited warranty certificate, WA0038, is included with this proposal.

FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

The Pierce TAK-4 suspension limited warranty certificate, WA0050, is included with this proposal.

REAR AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

Pierce TAK-4® independent rear suspension will be provided with a three (3) year material and workmanship limited warranty. The manufacturer's warranty will provide that the independent rear suspension be free from any defect related to material and workmanship on the portion of the apparatus built by the manufacturer that would arise under normal use and service.

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor Wabco™ ABS brake system limited warranty certificate, WA0232, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce custom cab limited warranty certificate, WA0012, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce cab limited pro-rated paint warranty certificate, WA0055, is included with this proposal.

FIVE (5) YEAR MATERIAL AND WORKMANSHIP

The Pierce Command Zone electronics limited warranty certificate, WA0014, is included with this proposal.

COMPARTMENT LIGHT WARRANTY

The Pierce 12 volt DC LED strip lights limited warranty certificate, WA0203, is included with this proposal.

TRANSMISSION WARRANTY

The transmission will have a **five (5) year/unlimited mileage** warranty covering 100 percent parts and labor. The warranty will be provided by Allison Transmission.

Note: The transmission cooler is not covered under any extended warranty you may be getting on your Allison Transmission. Please review your Allison Transmission warranty for coverage limitations.

TRANSMISSION COOLER WARRANTY

The transmission cooler will carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty will also be in effect for the first three (3) years of the warranty coverage and will not exceed \$10,000 per occurrence. A copy of the warranty certificate will be submitted with the bid package.

WATER TANK WARRANTY

A UPF poly water tank limited warranty certificate, WA0195, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce apparatus body limited warranty certificate, WA0009, is included with this proposal.

ROLL UP DOOR MATERIAL AND WORKMANSHIP WARRANTY

An AMDOR roll-up door limited warranty will be provided. The roll-up door will be warranted against manufacturing defects for a period of **ten (10) years**. A **five (5) year** limited warranty will be provided on painted roll up doors.

The limited warranty certificate, WA0185, is included with this proposal.

PUMP WARRANTY

The Waterous pump will be provided with a Seven (7) year material and workmanship limited warranty.

A copy of the warranty certificate will be submitted with the bid package (no exception).

TEN (10) YEAR PUMP PLUMBING WARRANTY

The Pierce apparatus plumbing limited warranty certificate, WA0035, is included with this proposal.

TWENTY (20) YEAR AERIAL DEVICE STRUCTURAL INTEGRITY WARRANTY

The Pierce device limited warranty certificate, WA0052, is included with this proposal.

AERIAL SWIVEL WARRANTY

An Amity five (5) year limited swivel warranty will be provided. A copy of the warranty certificate will be submitted with the bid package.

HYDRAULIC SYSTEM COMPONENTS WARRANTY

Aerial hydraulic system components will be provided with a five (5) year material and workmanship limited warranty.

HYDRAULIC SEAL WARRANTY

Aerial hydraulic seals will be provided with a three (3) year material and workmanship limited warranty.

A copy of the warranty certificates will be submitted with the bid package.

AERIAL WATERWAY WARRANTY

An Amity ten (10) year limited waterway warranty will be provided. A copy of the warranty certificate will be submitted with the bid package.

FOUR (4) YEAR PRO-RATED PAINT AND CORROSION

A Pierce aerial device limited pro-rated paint warranty certificate, WA0047, is included with this proposal.

FIVE (5) YEAR MATERIAL AND WORKMANSHIP

The Pierce Command Zone electronics limited warranty certificate, WA0014, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce body limited pro-rated paint warranty certificate, WA0057, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce Goldstar gold leaf lamination limited warranty limited warranty certificate, WA0018, is included with this proposal.

VEHICLE STABILITY CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the apparatus complies with NFPA 1901, current edition, section 4.13, Vehicle Stability. The certification will be provided at the time of bid.

ENGINE INSTALLATION CERTIFICATION

The fire apparatus manufacturer will provide a certification, along with a letter from the engine manufacturer stating they approve of the engine installation in the bidder's chassis. The certification will be provided at the time of delivery.

POWER STEERING CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the power steering system as installed meets the requirements of the component supplier. The certification will be provided at the time of bid.

CAB INTEGRITY CERTIFICATION

The fire apparatus manufacturer will provide a cab integrity certification with this proposal. The certification will state that the cab has been tested and certified by an independent third-party test facility. Testing events will be documented with photographs, real-time and high-speed video, vehicle accelerometers, cart accelerometers, and a laser speed trap. The fire apparatus manufacturer will provide a state-licensed professional engineer to witness and certify all testing events. Testing will meet or exceed the requirements below:

- European Occupant Protection Standard ECE Regulation No.29.
- SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks.
- SAE J2420 COE Frontal Strength Evaluation - Dynamic Loading Heavy Trucks.

Roof Crush

The cab will be subjected to a roof crush force of 22,050 lb. This value meets the ECE 29 criteria and is equivalent to the front axle rating up to a maximum of 10 metric tons.

Additional Roof Crush

The same cab will be subjected to a roof crush force of 100,000 lbs. This value exceeds the ECE 29 criteria by nearly 4.5 times.

Side Impact

The same cab will be subjected to dynamic preload where a 13,275 lb moving barrier slams into the side of the cab at 5.5 mph at a force of 13,000 ft-lbs. This test is part of the SAE J2422 test procedure and more closely represents the forces a cab will see in a rollover incident.

Frontal Impact

The same cab will withstand a frontal impact of 32,600 ft-lbs of force using a moving barrier in accordance with SAE J2420.

Additional Frontal Impact

The same cab will withstand a frontal impact of 65,200 ft-lbs of force using a moving barrier, (twice the force required by SAE J2420).

The same cab will withstand all tests without any measurable intrusion into the survival space of the occupant area.

CAB DOOR DURABILITY CERTIFICATION

Robust cab doors help protect occupants. Cab doors will survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder will certify that the sample doors similar to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.

WINDSHIELD WIPER DURABILITY CERTIFICATION

Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers will survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 *Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles*. The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.

ELECTRIC WINDOW DURABILITY CERTIFICATION

Cab window roll-up systems can cause maintenance problems if not designed for long service life. The window regulator design will complete 30,000 complete up-down cycles and still function normally when finished. The bidder will certify that sample doors and windows similar to those provided on the apparatus have been tested and have met these criteria without malfunction or significant component wear.

SEAT BELT ANCHOR STRENGTH

Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design will withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder will certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design will be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder will certify that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

PERFORMANCE CERTIFICATIONS**Cab Air Conditioning**

Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system will cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 78 degrees Fahrenheit in 30 minutes. The bidder will certify that a substantially similar cab has been tested and has met these criteria.

Cab Defroster

Visibility during inclement weather is essential to safe apparatus performance. The defroster system will clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure And Performance Requirements - Trucks, Buses, And Multipurpose Vehicles. The bidder will certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.

Cab Auxiliary Heater

Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. An auxiliary cab heater will warm the cab 77 degrees Fahrenheit from a cold-soak, within 30 minutes when tested using the coolant supply methods found in SAE J381. The bidder will certify, at time of delivery, that a substantially similar cab has been tested and has met these criteria.

AMP DRAW REPORT

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

- Documentation of the electrical system performance tests.
- A written load analysis, which will include the following:
 - The nameplate rating of the alternator.
 - The alternator rating under the conditions specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - The minimum continuous load of each component that is specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).



Option List

9/2/2022

Customer: Jersey Village
Representative Topf, William
Organization: Siddons-Martin Emergency Group
Requirements Manager:
Description: Jersey Village- Pumper
Body: Pumper, Medium, Aluminum, 2nd Gen
Chassis: Velocity Chassis (Big Block), 2010

Bid Number: 1223
Job Number:
Number of Units: 1
Bid Date: 09/02/2022
Stock Number:
Price Level: 42 (Current: 42)
Lane:

Line	Option	Type	Option Description	Qty
1	0766611		Boiler Plates, Pumper Fire Department/Customer - Jersey Village Operating/In conjunction W-Service Center - Operating Miles - 25 Miles Number of Fire Dept/Municipalities - 5 Bidder/Sales Organization - Siddons-Martin Emergency Group Delivery - Delivery representative Dealership/Sales Organization, Service - Siddons-Martin Emergency Group	1
2	0661794		Single Source Compliance	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
7	0533347		Pumper/Pumper with Aerial Device Fire Apparatus	1
8	0588611		Vehicle Certification, Pumper	1
9	0661778		Agency, Apparatus Certification, Pumper/Tanker, U.L.	1
10	0891947		Certification, Vehicle Inspection Program, NFPA 1901	1
11	0056880		Requirements of Apparatus Manufacturer	1
12	0092138		Highly Customized Product (HCP)	1
13	0020531		Product Improvements	1
14	0536644		Customer Service Website	1
15	0620362		Consortium, HGAC	1
16	0537375		Unit of Measure, US Gallons	1
17	0030006		Bid Bond Not Requested	1
18	0540326		Performance Bond, Not Requested	1
19	0000007		Approval Drawing	1
20	0082910		Drawing, Compartment Layout, Standard Pumper Body	1
21	0002928		Electrical Diagrams	1
22	0564202		Velocity Chassis (Big Block), 2010	1
23	0021010		Maximum Overall Length Size - 405.25"	1
24	0021009		Overall Length, Target Size - less than 396"	1
25	0000110		Wheelbase Wheelbase - 224.5	1
26	0000070		GVW Rating GVW rating - 49,800	1
27	0000203		Frame Rails, 13.38 x 3.50 x .375, Qtm/AXT/Imp/Vel/DCF	1
28	0889469		Frame Liner, "C/Inv L" 12.50" x 3.00" x .25", AXT/Vel/Imp/Enf, 56" QVal	1
29	0508849		Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, Imp/Vel	1
30	0010427		Suspension, Front TAK-4, 22,800 lb, Qtm/AXT/Imp/Vel/DCF/Enf	1
31	0087572		Shock Absorbers, KONI, TAK-4, Qtm/AXT/Imp/Vel/DCF/Enf	1
32	0000322		Oil Seals, Front Axle	1
33	0078244		Tires, Front, Michelin, XZY3 (wb), 425/65R22.50, 20 ply	1
34	0752585		Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Dura-Black, Hub Pilot	1
35	0530466		Axle, Rear, Meritor RS26-185, 27,000 lb, Imp/Vel/Dash CF	1
36	0602744		Top Speed of Vehicle, Non-NFPA 2016 Compliant Top Speed of Vehicle - 68	1
37	0122075		Suspen, Rear, Standens, Spring, 27,000 lb, Imp/Vel	1
38	0000485		Oil Seals, Rear Axle	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
39	0792923		Tires, Rear, Michelin, X WORKS Z, 315/80R22.50, LRL, Single	1
40	0726884		Wheels, Rear, Alcoa, 22.50" x 9.00", Aluminum,Dura-Black, Black,Hub Pilot,Single	1
41	0568081		Tire Balancing, Counteract Beads	1
42	0620570		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Single Axle	1
			Qty, Tire Pressure Ind - 6	
43	0003245		Axle Hub Covers w/center hole, S/S, Front Axle	1
44	0001960		Axle Hub Covers, Rear, S/S, High Hat (Pair)	1
45	0057936		Covers, Lug Nut, Chrome	1
46	0002045		Mud Flap, Front and Rear, Pierce Logo	1
47	0544802		Chocks, Wheel, SAC-44-E, Folding	1
			Qty, Pair - 01	
48	0544806		Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal	1
			Qty, Pair - 01	
			Location, Wheel Chocks - Left Side Rear Tire, Forward and Rearward	
49	0010671		ABS/ATC Wabco Brake System, Single Rear Axle	1
50	0030185		Brakes, Knorr/Bendix 17", Disc, Front, TAK-4	1
51	0509206		Brakes, Meritor, EX225, Disc Plus, Rear, Single Axle	1
52	0731553		Air Compressor, Brake, Cummins/Wabco 25.9 CFM	1
53	0000785		Brake Reservoirs, Three	1
54	0568012		Air Dryer, Wabco System Saver 1200, Heater, 2010	1
55	0000790		Brake Lines, Nylon	1
56	0551974		Inlet/Outlet, Air, w/Disconnect Fitting, Recessed	1
			Location, Air Coupling(s) - h) DS Pump Panel	
			Qty, Air Coupling (s) - 1	
57	0646276		Box, Recessed, Smooth Alum, for Air Fitting	1
			Location - in the D/S pump house	
			Qty, Air Coupling (s) - 1	
58	0014130		Air Tank, Additional for Extra Air Horn Capacity	1
59	0011835		Guard, U-Bolt over "Prk Brk" Knob	1
			Qty, - 01	
			Location, driver's/passenger's/center - Driver's	
60	0610147	SP	Drain, Remote Air Tank, 1/4 Turn Brass, Banked Under Body w/Labels, All Tanks	1
			Location - under left front body	
61	0615609		Fittings, Compression Type, Entire Apparatus, Single Rear Axle	1
62	0893809		Engine, Cummins X12, 525 hp, 1695 lb-ft, W/OBD, EPA 2021, Velocity	1
63	0730962		Filters, Remote Mounted, Oil, Fuel, X12, VEL/AXT, ENF, QTM	1
64	0001244		High Idle w/Electronic Engine, Custom	1
65	0687994		Engine Brake, Jacobs Compression Brake, Cummins Engine	1
			Switch, Engine Brake - e) ISC/ISM/ISL9/ISX Hi Med Lo	
66	0552334		Clutch, Fan, Air Actuated, Horton Drive Master	1
67	0584898		Shutoff Valves, Cab & Crew Cab Heater, w/Labels	1
68	0123135		Air Intake, w/Ember separator, Imp/Vel	1
69	0794743		Exhaust System, 5", X12/X15, MX13, Engine, Horizontal, Right Side	1
70	0690480		Exhaust, Modified for Plymovent System, 7.00" Diffuser, Flush W/ Rubrail, CARE	1
71	0787999		Radiator, Impel/Velocity	1
72	0511425		Cooling Hoses, Rubber	1
73	0041125		Fuel Tank, 65 Gallon, Dual Fills	1
74	0001129		Lines, Fuel	1
75	0662965		DEF Tank, 4.5 Gallon, DS Fill, Rear of Axle, Common Air Bottle Door	1
76	0723716		Fuel Priming Pump, Electronic, Automatic, Cummins, No Swt Req'd	1
77	0552607		Shutoff Valves (2), Fuel Line @ Filter	1
78	0553019		Cooler, Engine Fuel, Imp/Vel, AXT/Qtm/Sab/DCF/SFR/Enf	1
79	0698720		Fuel Cap Retaining Chain With Holder	1
80	0737593	SP	Vent, Fuel, 40" From Ground, Rearward	1
81	0634595		Drain, Inside Fuel Fill Door, Located On DEF Fill Mounting Plate (Drip Cup)	1
82	0051290		Label, "Diesel Fuel Only"	1
			Location - Inside fuel door	
83	0672449		Label, "DEF Only", Blue Letters	1
			Location - inside door	
84	0578959		Fuel/Water Separator, Racor Inline	1
85	0887546		Trans, Allison 6th Gen, 4000 EVS P, w/Prognostics, Imp/Vel/SFR/Enf	1
86	0625331		Transmission, Shifter, 6-Spd, Push Button, 4000 EVS	1

Line	Option	Type	Option Description	Qty
87	0684459		Transmission Oil Cooler, Modine, External	1
88	0559012		Program, Transmission, Shift To Neutral, With Prk Brk	1
89	0001375		Driveline, Spicer 1810	1
90	0669988		Steering, Sheppard M110 w/Tilt, TAK-4, Eaton Pump, w/Cooler	1
91	0001544		Not Required, Steering Assist Cylinder on Front Axle	1
92	0509230		Steering Wheel, 4 Spoke without Controls	1
93	0681841		Logo/Emblem, Not Required	1
94	0524744		Bumper, 22" Extended, Steel, Painted, Imp/Vel	1
95	0782204	SP	Tray, Hose, Center, 22" Bumper, Outside AH,15"Dp,13" Bel/2" Abv,Special, Imp/Vel Grating, Bumper extension - Grating, Rubber Capacity, Bumper Tray - 21) 150' of 1.75"	1
96	0782200	SP	Cover, Aluminum Treadplate, One (1) D-Ring Latch, Hose Tray, Oversize	1
97	0510226		Lift & Tow Package, Imp/Vel, AXT, Dash CF	1
98	0002270		Tow Hooks, Chrome	1
99	0032300		Mounting Holes, For License Plate, Frt Bumper	1
100	0698960		Coating, Top Flange, Front Bumper, Outside Exterior, UL-LX Coating, Black	1
101	0668315		Cab, Velocity FR, 7010 Raised Roof	1
102	0724207		Engine Tunnel, X12-15, MX13, Mech Fasteners, Velocity FR	1
103	0677478		Rear Wall, Exterior, Cab, Aluminum Treadplate	1
104	0122466		Cab Lift, Elec/Hyd, w/Manual Override, Imp/Vel	1
105	0751122		Grille, Painted, Painted Mesh Screen, Front of Cab, Impel/Velocity Paint Color, Grille Surround - Black #101 Paint Color, Grille Mesh - Black #101	1
106	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab Material Trim/Scuffplate - c) S/S, Polished	1
107	0529034		Scuffplates, S/S Corner Guard, Brushed, Rear Cab Corners	1
108	0751195		Trim, S/S, Rect Headlights, Painted, VEL/IMP Paint, Color - black 101 Turnsignal Covers - Black S/S Covers	1
109	0015440		No Chrome Molding, On side of cab	1
110	0746268	SP	Mirrors, Ramco, 6001FFHR-750HR, w/Bolt-on, All Htd/Rmt Convex, Cab Mnt, Blk, Vel Paint Color, Predefined - #101 black Riser, Ramco Mirror - 3.00", Pair, Ramco	1
111	0517525		Mirrors, 8" K-10 Eyeball, PS Cab Front, Front Cross View	1
112	0082489		Switches, Remote, Mirrors, Spcl Location location - lower panel near driver, panel #8	1
113	0667937		Door, Full Height, Velocity FR 4-Door Cab, Raised Roof Key Model, Cab Doors - 751 Cab, Exterior Door Handle, Finish - 4-Door, Chrome/Black	1
114	0655507		Door Panel, Polished Stainless Steel, Impel/Velocity 4-Door Cab	1
115	0667905		Storage Pockets w/ Elastic Cover, Recessed, Overhead, Impel/Velocity FR **	1
116	0667902		Controls, Electric Windows, All Cab Doors, Impel/Velocity FR	1
117	0512419		Electric Door Locks, Cab Doors, Imp/Vel	1
118	0617989		Key Pad, Code, Special Fill in Blank - TBD	1
119	0512420		Key Pad, Electric Door locks, DS & PS, Imp/Vel	1
120	0790597	SP	Steps, 4-Door Full Tilt Cab, 1.00" Larger Bottom Step, Imp/Vel	1
121	0770198		Handrail, Exterior, Hansen, Knurled, Alum, LED Backlit, Black, 4-Dr Cab Color, Handrail Light - Red Control, Handrail Light - Cab Switch and Parking Brake	1
122	0735530	SP	Steps, Stirrup, Formed, Cab & Crew Cab Doors, 7" Step, 2" Ext Past Cab, Imp/Vel Light, Step, Additional - Amdor, 4 Dr Cab	1
123	0892637		Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 1Lt Per Step Color, Trim - Chrome Housing	1
124	0665798		Fenders, Painted on Cab Paint, Color - 101 black	1
125	0586968		Handrail, Interior, Crew Cab Doors, Angled	1
126	0552648		Grab Handle, Black Rubber Covered, Specify Location, Qty Location - one each to the hinge side of the crew cab doors Qty, - 02	2
127	0592071		No Windows, Side of Crew Cab, Vel/Imp	1

Line	Option	Type	Option Description	Qty
128	0568605		Not Required, Interior Trim, No Cab Side Windows	1
129	0012090		Not Required, Windows, Front/Side of raised roof	1
130	0509286		Not Required, Windows Rear of Crew Cab, Imp/Vel	1
131	0558334		Not Required, Trim, Cab Rear Windows, No Rear Windows	1
132	0786279		Window Tint, Crew Cab Door, Right Side, Privacy Dark Gray	1
133	0786290		Window Tint, Crew Cab Door, Left Side, Privacy Dark Gray	1
134	0887710	SP	Window Coatings, Solar Film	1
135	0898680		Compt, Saddle, Transverse Crew Cab, Dbl Pan, 70/90" Vel/Imp Light, Short Transverse Compt - Pierce, Hinged Side Louvers - no louvers Scuffplate, Material/Finish - S/S, Polished Finish, Exterior Cab Compt - D/A Finish Door, Cab Exterior Cabinet - Double Pan, (2), Non-Locking Door, Exterior Stop - 2-Web Strap High Door, Cab Interior Cabinet - None (Transverse Only)	1
136	0752812	SP	Weather Strip, Cab Cabinet Exterior Door Qty, - 02 location - lower exterior compartment on the crew cab	2
137	0697825		Tag, Pierce Parts Website Info, Cab Door	1
138	0585536	SP	Hood Modification, Add Extra Spring	1
139	0708738	SP	Expanded Metal, Insulation. Eng Tunnel and Cab and Crew Floor	1
140	0887721	SP	Insulation, Extreme Climate, IPOS, Tucson	1
141	0539585		Cover, Aluminum, Painted to Match Cab Interior Location - OVER ENGINE DIAGNOSTICS Qty, - 1	1
142	0792143	SP	Drip Rail, Cab Roof, Including Light Brackets, Impel/Velocity/Velocity SLT	1
143	0079144		Inserts, Screws, For All Cab Door Panels	1
144	0663375		Mounting Provisions, 1/4" Alum, Full Engine Tunnel, Vel/Imp Mounting Provision Spacing - 1.00" Material Finish, Cab Interior - Painted	1
145	0748671		Cab Interior, Vinyl, Velocity FR, CARE Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Silver/Gray	1
146	0667943		Cab Interior, Paint Color, Impel/Velocity FR ** Color, Cab Interior Paint - i) fire smoke gray	1
147	0616854	SP	Floor, Rubber Padded Cab & Crew Cab, Seal Edges and Seams, Imp/Vel, Dash CF	1
148	0741239		HVAC, Impel/Velocity FR, CARE Paint Color, A/C Condenser - Painted to Match Cab Roof HVAC System, Filter Access - Tool Free Panel Auxiliary Cab Heater - Both	1
149	0683927		Cover, A/C lines and Connections, Painted	1
150	0789406	SP	Drain Lines, A/C, Coleman, Special Routing to Center of Cab	1
151	0745748		Tracer Dye, To Detect Air Conditioning System for Leaks	1
152	0677382		Guard, Brush, Painted, For Coleman A/C Unit, Cab Roof	1
153	0787034		Air Conditioning, Coleman-Mach 8, Roughneck, 120V, 15K, 6K Heat, Cab Roof,Black Thermostat - Coleman ceiling unit AC Power Source - Shoreline	1
154	0639675		Sun Visor, Smoked Lexan, AXT, Imp/Vel, Saber FR/Enforcer Sun Visor Retention - Thumb Latch	1
155	0548173		Grab Handles, Driver and Passenger Door Post, Imp/Vel	1
156	0693439		Lights, Engine Compt, Custom, Auto Sw, w/Fld Chk Dr WIn 3SC0CDCR, 3" LED Trim Qty, - 01	1
157	0122516		Fluid Check Access, Imp/Vel Latch, Door, Storage - Southco C2 Chrome Flush	1
158	0583042		Side Roll and Frontal Impact Protection	1
159	0622618		Seating Capacity, 5 Seats	1
160	0697005		Seat, Driver, Pierce PS6, Premium, Air Ride, High Back, Safety	1
161	0696994		Seat, Officer, Pierce PS6, Premium, Air Ride, SCBA, Safety	1
162	0002517		Not Required, Radio Compartment	1
163	0771851		Cabinet, Rear Facing, LS, 24 W x 40.5 H x 24 D, Web, Ext Acc, Sp Mtg, Imp/Vel Type of fastener - spring clip and hook Restraint Location - Top (towards roof of truck)	1

Line	Option	Type	Option Description	Qty
163			Light, Short Cabinet - Pierce, Exterior, Left Side, Pierce, Exterior, Right Side, Pierce, Interior, Right Side and Pierce, Interior, Left Side Scuffplate, Material/Finish - S/S, Brushed Material Finish, Shelf - Brushed Shelf/Tray, Cabinet - (2) Shelves, Adjustable, 0.75" Up-Turned Lip Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Web Strap Louvers, Cabinet - 0-No Louvers	
164	0102783		Not Required, Seat, Rr Facing C/C, Center	1
165	0752571		Cabinet, Rear Facing, RS, 21.5 W x 40.5 H x 21 D, Web, Ext Acc, Sp Mtg, Imp/Vel Type of fastener - spring clip and hook Restraint Location - Top (towards roof of truck) Light, Short Cabinet - Pierce, Exterior, Left Side, Pierce, Exterior, Right Side, Pierce, Interior, Right Side and Pierce, Interior, Left Side Scuffplate, Material/Finish - S/S, Brushed Material Finish, Shelf - Brushed Shelf/Tray, Cabinet - (2) Shelves, Adjustable, 0.75" Up-Turned Lip Door, Cab Exterior Cabinet - Double Pan, Non-Locking Door, Exterior Stop - Stay Arm Louvers, Cabinet - 0-No Louvers	1
166	0640422	SP	Seat, Forward Facing C/C, DS Outbrd, Pierce PS6, SCBA, Foldup, Safety, Inbrd 3"	1
167	0122745		Seat, Forward Facing C/C, Center, (1) Pierce PS6, Premium, SCBA, Safety	1
168	0640272	SP	Seat, Forward Facing C/C, PS Outbrd, PS6, SCBA, Foldup, 17" Btm, Safety, Inbrd 3"	1
169	0566653		Upholstery, Seats In Cab, Turnout Tuff Color, Cab Interior Vinyl/Fabric - c) Black	1
170	0543991		Bracket, Air Bottle, Hands-Free II, Cab Seats Qty, - 04	4
171	0690610		Embroidery, Seats, Cab and Crew Cab Qty, Seats Embroidery - 5 Seats	1
172	0603867		Seat Belt, ReadyReach Seat Belt Color - Red	1
173	0604864		Seat Belt Height Adjustment, 5 Seats, Imp/Vel, Dash CF	1
174	0602464		Helmet Storage, Provided by Fire Department, NFPA 2016	1
175	0647647		Lights, Dome, FRP Dual LED 4 Lts Color, Dome Lt - Red & White Color, Dome Lt Bzl - Black Control, Dome Lt White - Door Switches and Lens Switch Control, Dome Lt Color - Lens Switch	1
176	0650081		Lights, Dome, WIn, 60C*EGCS Dual LED Location - over the officer's seat Qty, - 01 Color, Dome Lt - Red & White Control, Dome Lt White - Lens Switch and Match Crew Cab Switch Control, Dome Lt Color - Lens Switch and Match Crew Cab Switch	1
177	0896451		Enhanced Software for Cab and Crew Cab Dome Lts	1
178	0631776		Not Required, Overhead Map Lights	1
179	0602637		Portable Hand Light, Provided by Fire Dept, Pumper NFPA 2016 Classification	1
180	0568369		Cab Instruments, Ivory Gauges, Chrome Bezels, Impel/Velocity 2010	1
181	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
182	0653441	SP	Light, Do Not Move Apparatus, WIn L32LRF, Red LED Beacon Alarm, Do Not Move Truck - Pulsing Alarm	1
183	0509042		Messages, Open Dr/DNMT, Color Dsply,	1
184	0611681		Switching, Cab, Membrane, Impel/Velocity/Quantum, Dash CF, AXT WiFi MUX Location, Emerg Sw Pnl's - Driver's Side Overhead	1
185	0555915		Wiper Control, 2-Speed with Intermittent, MUX, Impel/Velocity	1
186	0548007		Wiring, Spare, 15 A 12V DC 3rd Qty, - 02 12vdc power from - Battery direct Wire termination - Stud Location - Both sides of the cab transverse compartment	2
187	0899010	SP	Wiring, Spare, 12V DC, USB-A, USB-C AlfredDireck1st Qty, - 04 12vdc power from - Battery direct	4

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
187			Location - officers dash, rear of center console for driver, recessed into the rear engine tunnel on each side of the fluid check access door	
188	0548006		Wiring, Spare, 15 A 12V DC 2nd Qty, - 02 12vdc power from - Battery direct Wire termination - Stud	2
189	0548009		Location - Both EMS Compartments, next to the 110v outlets Wiring, Spare, 20 A 12V DC 1st Qty, - 01 12vdc power from - Isolated battery Wire termination - Stud	1
190	0560535		Location, Spare Wiring - behind panel 9 Wiring, Spare, 15 A 12V DC 4th Qty, - 07 12vdc power from - Battery direct Wire termination - Stud	7
191	0548004		Location - One in each body compartment next to the 110v outlets, high on the back wall. Wiring, Spare, 15 A 12V DC 1st Qty, - 02 12vdc power from - Isolated battery Wire termination - 15 amp power point plug	2
192	0566101		Location, Spare Wiring - officer side engine tunnel near panel 9 Recess, Dash Panel, Officer Side, Vel/Imp	1
193	0804003		Radio, APTIV, AM/FM/WB/Frt USB, BT Speakers, AM/FM Radio - Two (2) pairs of speakers, Cab/Crew Antenna, AM/FM Radio - Roof-Mounted rubber antenna-Forward Location, AM/FM Radio - e) switch panel	1
194	0679284		Switch, 12V (Inst Pnl), AM/FM Radio, Off Switch, Auto On Location - on/off at driver side panel and officer panel	1
195	0615386		Vehicle Information Center, 7" Color Display, Touchscreen, MUX System Of Measurement - US Customary	1
196	0734857		Collision Mitigation, HAAS Alert (R2V), HA5 Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	1
197	0606249		Vehicle Data Recorder w/CZ and Overhead Display Seat Belt Monitor	1
198	0734174		Intercom, David Clark, 5-Pos, 2-Radio, D, O, 3ibC, 3805 Location, Intercom, C Cab - 3) 3 forward facing seats	1
199	0637058		David Clark Universal Radio Interfaces Included with Single/Dual System Location, Radio Interface - tbd	1
200	0589947		Headset, David Clark, H3432 Over The Head, Flex Mic, Push On Push Off Qty, - 05 Location - one at each seated position	5
201	0681408		Hangers For Headsets, NFPA, Each Qty, - 05 Location, Headset Hangers - Driver Seat, Officer Seat, DS Outbrd, Fwrd Fcng Seat, PS Outbrd, Fwrd Fcng Seat and Rear, Center, Fwrd Fcng Seat	5
202	0067116		Bracket, Johnny Ray Swivel, 7 Lb. Rating Location - center overhead Qty, - 01	1
203	0696443		Antenna Mount, Custom Chassis, Cable Routed to Overhead Switch Area Location - on the right side Qty, - 02	2
204	0805750	SP	Camera, Safety Vision, Mux Display, R, 2 Cab Interior Cameras, 4401-HVR Location - Mount on the back side of the DS rear facing EMS cabinet Color - 1) black	1
205	0511071		Camera System Audio - Speaker Behind Driver Camera System Guard, 4-Way, Rear Vision Camera Qty, - 01 Location - rear camera	1
206	0653350		Guards, Vehicle Camera(s), Painted Smooth Aluminum Qty, - 02 Location - driver and officer's side	2
207	0896458		Pierce Command Zone, Advanced Electronics & Control System, Vel WiFi CZT Color, Antenna - Black Antenna	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
207			Module Housings - Black Housing with Power and Status Ind	
208	0896456		Prognostics, Electrical System	1
209	0730603		Electrical System, Velocity ESP, Cummins, Paccar	1
210	0098841		Batteries, (6) Deka Grp 31, 1000 CCA each, Threaded Stud	1
211	0008621		Battery System, Single Start, All Custom Chassis	1
212	0123174		Battery Compartment, Imp/Vel	1
213	0641527		Battery Charger/Converter, Progressive Dynamics PD2180, 80A	1
214	0688318		Location, Charger, Cab Behind Driver Seat, On the EMS Compt Vertical Wall	1
215	0530960		Not Required, Remote Battery Charger Indicator	1
216	0601348	SP	Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super, Qty Qty, - 02 Color, Kussmaul Cover - b) red Connection, Shoreline - one to the 120v outlets, and one to the Coleman A/C	2
217	0026800		Color, Kussmaul Cover 2 - e) blue Shoreline Location	1
218	0516654		Location, Shoreline(s) - Two (2) Crew Cab Battery "On" Indicator, Center Marker Lt Cab, VEL/IMP	1
219	0515090		Display, Kussmaul Single Bat Status Ind 091-94-12, Wired to Batteries	1
220	0691720		Location - forward of the drivers door Display, Kussmaul Battery Status Indicator, 091-189-12, Wired To Batteries Location - above the shoreline plug on the driver side to the rear of the crew door	1
221	0647728		Alternator, 430 amp, Delco Remy 55SI	1
222	0761657		Wiring, All Electrical, High As Possible In Frame Rails	1
223	0781420	SP	Guard, Fuse/Relay Package in Frame Rails	1
224	0092582		Load Manager/Sequencer, MUX	1
225	0724853		Enable/Disable Hi-Idle - e)High Idle enable Headlights, Rect LED, HiViz FT-4X6-4KIT, AXT/DCF/Enf/Imp/Sab/Vel, Trim	1
226	0775768		Color, Headlight Housing and Trim - Black Painted Housing and Trim Light, Directional, WIn 600 Cmb, Cab Crn, Imp/Vel/AXT/Qtm/DCF, Black Trm	1
227	0804725		Color, Lens, LED's - c)clear Light, Directional, WIn M62T LED Arrow, Additional	2
			Location, Lights - back of the cab Qty, - 02 Color, Lens, LED's - Match Color, Trim - Black Trim	
228	0620054		Flash Pattern, Directional Lts - Sequence (80 FPM) to Solid Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
229	0734348		Lights, Clearance/Marker, Side WIn 0SA00MCR 2 Lts, Others With Visor Lt	1
230	0591889		Lights, Clearance/Marker/ID, Rear, WIn 0SR00MCR LED 7Lts	1
231	0804514		Lights, Tail, WIn M62BTT* Red Stop/Tail & M62T* Amber Dir Arw For Hsg Color, Lens, LED's - Match Flash Pattern, Directional Lts - Sequence (80 FPM) to Solid	1
232	0561471		Lights, Backup, WIn M6BUW, LED, For Tail Lt Housing	1
233	0889571		Bracket, License Plate & Light, P25 LED, Stainless Brkt, Loc Location - License plate holder to be mounted mid-level on rear of body and outboard to allow for mounting cones on the rear tailboard. Color, Trim - Black Housing	1
234	0794744		Bezels, WIn, (2) M6 Black Pierce, For mtg (4) WIn M6 lights	1
235	0589905		Alarm, Back-up Warning, PRECO 1040	1
236	0769566		Lights, Perimeter Cab, Amdor AY-LB-12HW020 & AY-LB-12HW012 LED 4Dr	1
237	0769572		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 2lts	1
238	0770056		Lights, Perimeter Body, Amdor AY-LB-12HW020 LED 2lts, Rear Step Control, Perimeter Lts - Parking Brake Applied, Directional Light Activation and Reverse Signal Activation	1
239	0769570		Lights, Perimeter, Amdor AY-LB-12HW020 20", Brkt Qty, - 04 Location, Additional Perimeter Lights - Under Compt LS1, 1lt, Under Compt RS1, 1lt, Under Compt LS3, 1lt, Centered and Under Compt RS3, 1lt, Centered	4
240	0896454		Enhanced Software for Perimeter Lts	1

Line	Option	Type	Option Description	Qty
241	0566799		Lights, Step, P25 LED 4lts, Ign, Prk Brk Activated	1
242	0805671	SP	Light, Ext Brw, HV FT-BG2S-R275C-80-*, I/V, Velocity, SBCS Color, Lt Housing - Black	1
243	0805811	SP	Lights, Extruded Side, HiViz FT-BG2S-REC-18-*, 18", AXT/En/Imp/Sab/Vel LS, SBCS Qty, - 01 Location - Recessed in R/S crew cab upper door window Color, Lt Housing - Black	1
244	0805812	SP	Lights, Extruded Side, HiViz FT-BG2S-REC-18-*, 18", AXT/En/Imp/Sab/Vel RS, SBCS Qty, - 01 Location - Recessed in L/S crew cab upper door window Color, Lt Housing - Black	1
245	0804888	SP	Lights, Extruded, HiViz FT-BG2S-D90-26-*, LS Bdy 26" SBCS Qty, - 02 Location - one front and one rear, upper body Color, Lt Housing - Black	2
246	0804896	SP	Lights, Extruded, HiViz FT-BG2S-D90-26-*, RS Bdy 26" SBCS Qty, - 02 Location - one front and one rear, upper body Color, Lt Housing - Black	2
247	0805682	SP	Lights, Extruded, HiViz FT-BG2S-REC-34-*, Rear Body 34", SBCS Color, Lt Housing - Black	1
248	0532358		Not Required, Deck Lights, Other Hose Bed & Rear Lighting	1
249	0645674		Lights, Not Required, Hose Bed, Alt. Light Tower On Cab/Crew Cab Roof	1
250	0779654	SP	Lights, Hose Bed, WIn PELCC LED, 45 Deg Flamge, Pair Location - one light on each side of the upper inside beavertail to shine into the hose bed. Lights both to be switched on by one cup switch for hose bed forward light and these two rear lights. Qty, - 01 Control, Hose Bed Lts - With Other Hosebed Lts	1
251	0635527		Light, Hose Bed, 63" LED Light Strip, Front Cross Divider Qty, - 01 Control, Hose Bed Lts - Cup Switch At Rear	1
252	0645677		Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
253	0763248		Lights, Walk Surf, Amdor AY-LB-12HW0**, LED, Cargo Areas Location - to illuminate the entire designated walking surface on top of the body. Qty, Cargo Lts - 6	6
254	0653577		Switch, AM/FM Radio, On/Off On Officer's Side	1
255	0022068		Switch, AM/FM Radio, On/Off on Driver's Side	1
256	0060115		Pumper, Medium, Aluminum, 2nd Gen	1
257	0554271		Body Skirt Height, 20"	1
258	0013492		Tank, Water, 750 Gallon, Poly, Med, New York Style	1
259	0003405		Overflow, 4.00" Water Tank, Poly	1
260	0028104		Foam Cell Required	1
261	0635329		Modified Poly Tank & Cradle, Ext'd To Rear, Pumper	1
262	0633066		Sleeve, Through Tank Qty, Sleeve - 2 Water Tank Sleeve - Plumbing/Hydraulic Diameter - 3" Plumbing	2
263	0779659	SP	Sleeve through Tank, 3rd Location - locate the booster reel plumbing sleeve as low as possible within the R1 compartment Qty, Sleeve - 1 Water Tank Sleeve - Plumbing/Hydraulic Diameter - 3" Plumbing	1
264	0553725		Restraint, Water Tank, Heavy Duty, Special Type Tank, 4x4, or Export	1
265	0003429		Not Required, Direct Tank Fill	1
266	0003424		Not Required, Dump Valve	1
267	0048710		Not Required, Jet Assist	1
268	0030007		Not Required, Dump Valve Chute	1
269	0514778		Not Required, Switch, Tank Dump Master	1
270	0618241		Hose Bed, Aluminum, Pumper, New York Style Material Trim/Scuffplate - b) S/S, Brushed	1

Line	Option	Type	Option Description	Qty
271	0723549		Painted Hose Bed	1
			Paint Color, Hose Bed Interior - Match Lower Body	
272	0003481		Hose Bed Capacity, Special	1
			Capacity, Hosebed - 1000' 5"	
			400' 3" (2 separate lays of 200')	
			400' 2"	
273	0689089		Divider, Hose Bed, Unpainted, w/Handhold	3
			Qty, Hosebed Dividers - 3	
274	0010133		Cross-Divider, Hose Bed	1
275	0690054		Cover, Hose Bed, Roller Shutter, Fasteners, Pumper	1
			Color, Vinyl Cover - a) red	
			Type of fastener - seat belt buckle - bottom of hosebed	
			Type of fastener, Rear - quarter turn - Rear of Hosebed	
276	0653357		Switch, Secondary HB Cover Not Stowed, Wired to "Do Not Move Apparatus Light"	1
277	0740286		Lettering, Hose Bed Rear Flap, Reflective	5
			Color, Lettering - a) white	
			Qty, Lettering - 05	
			Lettering, Hosebed - E-3541	
			Centering, Lettering, Rear Flap - Centered on Hose Bed	
			Layout, Lettering - Straight	
			Size, Lettering, Rear Flap, Reflective - 10.00"	
278	0680205		Running Boards, 14.75" Deep	1
279	0681766		Tailboard, 16" Deep, Full Width, Extended Substructure, Angled Corners	1
280	0690037		Wall, Rear, Smooth Aluminum/Body Material	1
			Material, Rear Wall Inboard Facing Surfaces - Aluminum Diamondplate	
281	0889214		Tow Eyes, w/Tow Bar, 2G Pumper	1
282	0590926		Hose Restraint, Running Board, Velcro Straps	2
			Location, Hose Tray, Running Board - a) both sides	
			Qty, Tray, Hose - 2	
283	0014117		Tray, Hose, Running Board, "Free Floating", 25' of 5"	2
			Location, Hose Tray, Running Board - a) both sides	
			Qty, Tray, Hose - 2	
284	0895820		Construction, Compt, Alum, 2G Pumper	1
285	0023650		LS 152" Rollup, Full Height Front & Rear, FDLER	1
286	0063658		RS 152" Rollup, Full Height Front & Rear, FDLER	1
287	0594005		Doors, Rollup, Amdor, Side Compartments	6
			Qty, Door Accessory - 06	
			Color, Roll-up Door - AMDOR Painted to Match Lower Body	
			Latch, Roll-up Door - Non-Locking Liftbar	
288	0645061	SP	Rear - Rollup Dr/44.50" FF, 25.88" D, Flush Rr, Spcl Width, Rr Inlet, Notched	1
289	0692746		Door, Gortite, Rollup, Rear Compartment	1
			Color, Roll-up Door, Gortite - Painted to Match Lower Body	
			Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
290	0554995		No Body Modification Required	1
291	0682146		Pull Strap for Rollup Doors, w/Hook & Loop Retainer	2
			Qty, Door Accessory - 02	
			Location, Door Accessory - LS2, RS2	
292	0611794		Trim, Rollup Door, Painted Door Color, Amdor	6
			Location, Door Accessory - LS1,LS2, LS3, RS1, RS2, RS3	
			Qty, - 06	
293	0637421		Trim, Rollup Door, Painted Door Color, Gortite	1
			Location, Door Accessory - B1	
			Qty, - 01	
294	0616670		Lights, Compt, Pierce LED, Dual Light Strips, Each Side of Door, Pumper/Tanker	7
			Qty, - 07	
			Location, Compartment Lights - All Body Compts	
295	0739915		Hatch, (2) Liftup, Pumper	2
			Location, Hatch Compt - Both Sides	
			Qty, Hatch Compt - 2	
			Trim, Body/Hatch Compt Seam, Horizontal - Painted Formed Aluminum	
			Hatch Compt, Width - 14"	
			Latch, Hatch Compt - Socket & Plunger/Grab Handle	
			Matting, Floor, Hatch Compt - Dri-Deck - Black	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
296	0730092		Not Required	1
297	0733219		Lights, Hatch Compt, 42", LED, Light Strips, 2-Sides 4 Dr	1
298	0760868		Lights, Cargo/Dunnage, Dual LED Light Strips, Each Side Control, Scene Lts - Light Shield Lts	1
299	0687135		Shelf Tracks, Unpainted Qty, Shelf Track - 05 Location, Shelf Track - LS1, LS3, RS1, RS3 and B1	5
300	0600350		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations Qty, Shelf - 10 Material Finish, Shelf - DA Finish Location, Shelves/Trays, Predefined - LS1-Transition Point, RS1- Transition Point, RS3-Transition Point, RS3-Upper Third, RS1-Upper Third, LS1 -Lower Third, LS1-Upper Third, LS1-Upper Third (2nd), LS3-Transition Point and B1-Upper Third	10
301	0004055		Tray, 250 lb Slide-out, 6" Sides - Adj. Height Location - LS3 as low as possible Qty, Tray (slide-out) - 01	1
302	0709692		Tray, 215 lb, Tilt/Slide-Out, 30 Deg, Adj, Predefined Locations Qty, Tray (slide-out) - 01 Location, Shelves/Trays, Predefined - RS2-Upper Third	1
303	0647091		Tray, Floor Mounted, Slide-Out, 500lb, 2.00" Sides Qty, - 02 Location, Tray Slide-Out, Floor Mounted - RS1 and LS1 Material Finish, Tray - DA Finish	2
304	0892447	SP	Toolboard, Swing-out, Alum, .188", Peg Board, Special Location Finish - DA Finish location - RS2. The bottom of the tool board should be 3.25" above the floor of the compartment Qty - 1 Location, Pivot - Front Mounting, Toolboard - Adjustable Frt-back Hole Diameter, Pegboard/Toolboard - .281" diameter	1
305	0726441		Partition, Trans Rear Compt Qty, Partition - 02 Location, Partition - c) both sides Material Finish, Partition - Painted - Spatter Gray	2
306	0613558	SP	Mounting Peg, Fin Style, Traffic Cones, Tailboard, Treadplate Location - tbd at final Qty, - 01 Length - 18.00"	1
307	0753958		Hanger/Post, For Hose, Rope, Chain, Accessories, Adjustable Location - RS3 up high Qty, Comp. Accessory - 02 Length - 10.00"	2
308	0755527		Pegboard, Back Wall Mounted, 3/16" Alum, Standard Depth Upper Qty, Comp. Accessory - 02 Hole Diameter, Pegboard/Toolboard - .281" diameter Finish, Pegboard/Toolboard - Dual Action Finish Location, Compartment, Predefined - LS2 and LS3	2
309	0899073		Rub Rail, Black Plastic w/.50" Spacer, Body Sides	1
310	0757741	SP	Fender Crowns, Rear, Painted Stainless, w/Removable Liner Paint, Color - 101 black Material Finish, Fender Liner - Painted black 101	1
311	0519849		Not Required, Hose, Hard Suction	1
312	0764089		Handrails, Side Pump Panels, Per Print, Hansen Knurled Alum, LED Backlit, Black Switch, Handrail Light Control - Park Brake Color, Light, Hansen Handrail - Red	1
313	0764332		Handrails, Beavertail, Hansen Tubing, Knurled Aluminum, LED Backlit, Black Switch, Handrail Light Control - Park Brake Color, Light, Hansen Handrail - Red	1
314	0764331		Handrail, Rear, Below Hose Bed, Full Width,Hansen,Knurled Alum LED Backlit,Black Switch, Handrail Light Control - Park Brake Color, Light, Hansen Handrail - Red	1

Line	Option	Type	Option Description	Qty
315	0753717		Handrail, Extra - 15-20" Long, Hansen Tubing, Knurled Alum LED Backlit, Black Location, Handrails - Top of the PS cargo side sheet flange opposite the DS handrail Qty, Handrails - 01 Switch, Handrail Light Control - Park Brake Color, Light, Hansen Handrail - Red	1
316	0754312		Handrail, Extra - 10" Long, Hansen Tubing, Knurled Aluminum, Black Location, Handrails - one each side, outboard, on the rear bodies forward cross divider and (1) vertically, on the forward rear body tube, opposite the DS handrail Qty, Handrails - 03	3
317	0657522		Compt, Air Bottle, Triple, Fender Panel Qty, Air Bottle Comp - 1 Door Finish, Fender Compt - Painted Location, Fender Compt - Triple - RS Fwd Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - Rubber Matting	1
318	0654143		Compt, Air Bottle, Single, Tri Door (DEF/Fuel), Fender Panel Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - Dura-Surf Lining	1
319	0622393		Compt, Air Pack Fender Panel Location, Bracket/comp. - driver side front Qty, - 01 Door Finish, Fender Compt - Painted Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - Dura-Surf Lining	1
320	0648325		Compt, Air Bottle, Double, Tri Door, Fender Panel Qty, Air Bottle Comp - 1 Door Finish, Fender Compt - Painted Location, Fender Compt - Double - RS Rear - Fuel Combo Latch, Air Bottle Compt - Southco C2 Chrome Raised Insert, Air Bottle Compt - W-Shaped Insert	1
321	0688959	SP	Trough, Air Bottle, "V"-Shaped, Alum, Each Qty, - 03 Size - To carry a 2.5 Gallon water, 10# co2 with nozzle and a 15# dry chem w/nozzle. V-troughs to be FD -1.00". See photo E-Folders\31000-31999\31140\Stage 7 - Graphics for V-trough assembly dimensions Fill in Blank - D1 - forward on floor, slanted toward the tank wall, to prevent sliding out.	3
322	0625049		Cable Restraint, Air Bottle Compartment Door(s) Qty, - 04 Fill in Blank - Each of the air bottle doors so the door locks do not damage the double pan compartment doors adjacent to each air bottle door	4
323	0004225		Ladder, 24' Duo-Safety 900A 2-Section	1
324	0004230		Ladder, 14' Duo-Safety 775A Roof	1
325	0598395		Ladders/Backboard Btwn Tank & S.Sht, RS, Ext'd Rr, Encl'd Complete, RPH Size, Backboard - 2 X 16 X 72 Door, Material & Finish, Ladder Storage - smooth aluminum Latch, Door Ladder Storage - D-Handle latch	1
326	0733387		Ladder, 10' Duo-Safety Folding 585A	1
327	0034862		Slides, 1/4" Nylatron, Ground Ladder Storage	1
328	0633473		Pike Pole, 8' Fire Hooks Unlimited, New York Roof Hook, Steel, Ram Knob End, RH-8 Qty, - 01	1
329	0685804		Pike Pole, 6' Fire Hooks Unlimited, New York Roof Hook, Ram Knob End, RH-6 Qty, - 01	1
330	0058193		Tubes, Alum, Pike Pole Storage, Spcl Notch, NY PP Head Location - ladder storage Qty, Pike Pole Tubes - 02	2
331	0645892		Label, All Apparatus Filters and Part Numbers	1
332	0755552	SP	Label, Indicator Lamp Symbols, Cab Door Panel Location - driver's door	1
333	0785102		Steps, Folding, Front of Body, Cargo Bed Access, w/LED, Trident Coating, Step - black	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
333			Location, Steps - Full Height Left Side w/LED Light	
334	0592994		Steps, Folding, Rear of Body, w/LED, Trident	1
			Coating, Step - black	
335	0724151		Step, Folding - Extra, Body Only, Trident, Black Powder Coat	5
			Qty, Folding Step - 05	
			Location, Additional Step - (3) steps, only, on PS front bulkhead and (2) on the PS rear inner beavertail opposite the DS rear inner beavertail steps	
			Coating, Step - black	
336	0007575		Pump House, Side Control, 48", Control Zone	1
337	0037731		Pump House Structure, Raised, Included with Ladder Storage	1
338	0798388	SP	Guard, Alum Treadplate, Around Manual Deck Gun Control, Specify	1
339	0004435		Pump, Waterous, CSU, 2000 GPM, Single Stage	1
340	0004482		Seal, Mechanical, Waterous	1
341	0559769		Trans, Pump, Waterous C20 Series	1
342	0635600		Pumping Mode, Stationary Only	1
343	0605126		Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
344	0003148		Transmission Lock-up, EVS	1
345	0004547		Auxiliary Cooling System	1
346	0014486		Not Required, Transfer Valve, Single Stage Pump	1
347	0746508		Valve(s), Relief Intake, Trident Air Max, Control Location	1
			Qty - 1	
			Pressure Setting - 125 psig	
			Intake Relief Valve Control - Left Side Pump Panel	
348	0692045		Controller, Pressure, FRC, Pump Boss, PBA400	1
349	0072153		Primer, Trident, Air Prime, Air Operated	1
350	0654524		Thermal Relief Valve, TRV120-L w/Red Warning Light and Alarm, Waterous Pump	1
			Location, Thermal Relief Discharge - Pump Operator's Panel	
351	0642412		Valve Operation, Top Mount, Open/Close Reversed	1
352	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
353	0602512		Plumbing, Stainless Steel and Hose, Single Stage Pump, Control Zone	1
354	0795135		Plumbing, Stainless Steel, w/Foam System	1
355	0004645		Inlets, 6.00" - 1250 GPM or Larger Pump	1
356	0014650		Pump Suction Tube(s), Short, All	1
357	0755923		Valve, Ball Intake, Akron Revolution	2
			Location - Both sides	
			Qty - 2	
			Connection, Inlet, Side B - 5.0" Storz swivel with a cap	
			Connection, Outlet, Side A - 6.0" FNST swivel long handle	
			Ball Intake Valve - 7982 (30 degree swivel inlet)	
358	0699096		Not Required, Cap, Main Pump Inlet, Included w/Storz Adapter	1
359	0084610		Valves, Akron 8000 series- All	1
360	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	1
			Qty, Inlets - 1	
361	0004700		Control, Inlet, at Valve	1
362	0004660		Inlet (1), Left Side, 2.50"	1
363	0004680		Inlet, Right Side, 2.50"	1
364	0782208	SP	Adapter, Aux. Inlet, 2.5" MNST x 1.5" FNST w/Plug	1
			Qty, Adapter for Inlet - 1	
365	0034720		Anode, Zinc, Pair, Pump Inlets	1
366	0092569		No Rear Inlet (Large Dia) Requested	1
367	0064116		No Rear Inlet Actuation Required	1
368	0092696		Not Required, Cap, Rear Inlet	1
369	0009648		No Rear Intake Relief Valve Required on Rear Inlet	1
370	0092568		No Rear Auxiliary Inlet Requested	1
371	0723049		Valve, .75" Bleeder, Aux. Side Inlet, "T" Swing Handle	1
372	0014751		Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing, Reverse Linkage	1
373	0004905		Outlet, Tank Fill, 1.50"	1
374	0771671		Control, Outlets, Swing Handle, Vertical, Side Control, 48.00" Pump House	10
			Location - All discharges	
			Qty, Discharges - 10	
375	0004940		Outlet, Left Side, 2.50"	1
			Qty, Discharges - 01	

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
376	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
377	0092570		Not Required, Outlets, Left Side Additional	1
378	0035094		Not Required, Elbow, Left Side Outlets, Additional	1
379	0004945		Outlet, Right Side, 2.50"	2
			Qty, Discharges - 02	
380	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
381	0092571		Not Required, Outlets, Right Side Additional	1
382	0089584		Not Required, Elbow, Right Side Outlets, Additional	1
383	0779666	SP	Outlet, 4" w/3.50" Waterous Valve, Right, Small Handwheel	1
384	0005097		Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz	1
			Qty, - 01	
385	0649939		Outlet, Front, 1.50" w/2" Plumbing	1
			Fitting, Outlet - 1.50" NST with 90 degree swivel	
			Drain, Front Outlet - Automatic	
			Location, Front, Single - top of left bumper	
386	0004995		Outlet, Rear, 2.50"	2
			Qty, Discharges - 02	
			Location, Outlet - b) left side	
387	0045091		Elbow, Rear Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
388	0092574		Not Required, Outlet, Rear, Additional	1
389	0085695		Not Required, Elbow, Rear Outlets, Large, Additional	1
390	0092573		Not Required, Outlet, Hose Bed/Running Board Tray	1
391	0752078		Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, S/S Cable	1
392	0723042		Valve, 0.75" Bleeder, Discharges, "T" Swing Handle	1
393	0005080		Reducer, 2.50" FNST x 1.50" MNST, w/Cap	3
			Qty, Adapter for Outlets - 03	
			Location, Adapter(s) - 1 - 2.5" on driver side and 2 - 2.5" on passenger side	
394	0753328		Outlet, 3.00" Deluge, Dual Control, LG HW's, w/TFT Extend-a-Gun XG18 riser	1
395	0777050		Monitor, TFT Crossfire XFT-NJ, No Ground Base	1
			Monitor Finish - Painted	
396	0040423		Nozzle, TFT Master Stream 1250 M-R, 1250 GPM, Manual	1
397	0046857		Deluge Mount, For TFT Crossfire Monitor, TFT Manual Extend-A-Gun Only	1
398	0723726		Speedlay Module Not Required	1
399	0722432		Hose Restraint Not Required, No Speedlay Module	1
400	0723395		Speedlays, Not Required	1
401	0723394		Speedlays, Not Required	1
402	0025140		Not Required, 1.50" Crosslays	1
403	0029196		Not Required, 2.50" Crosslay	1
404	0500535		Not Required, Hose Restraint, Crosslay	1
405	0077796		Speed, (3) 1.5" W/Poly Trays, Side Mt, Spc. Cap.	1
			Capacity, Special Xlay - bottom to top - 200' 1.75" - 200' 1.75" - 250 - 1.75" top speedlay	
406	0752945		Hose Restr, Spdly, 2"Nylon Web, (2) Seat Belt Buckle, Tether Release	1
			Color, Strap - Orange	
			Release, Seat Belt Buckle - Bar	
407	0621378	SP	Scuffplate, Brushed S/S, on Rear Wall/Front Painted Surface of Speedlay	1
408	0005248		Reel, Booster - Rear Compt., Steel, Roll-up Door	1
			Finish, Reel - Painted Job Color Matching Lower Body	
409	0005279		Switch, Reel Rewind - One at Reel	1
410	0045300		Hose, Booster - 200' of 1.00"/800 PSI	1
411	0005244		Capacity, Hose Reel 200' of 1"	1
412	0007428		Nozzle for Booster Reel Not Req'd	1
413	0674725		Blowout, Hose Reel - Quarter Turn Valve at Panel	1
414	0515688		Gauge, Hose Reel, (Match Panel Gauges)	1
			Location - pump operators panel with the others	
			Qty, - 1	
415	0046560		Manual, Override, Hose Reel	1
416	0622241		Roller Assembly, Additional Pair, Rear Bulkhead, Location	1
			Location - two each side on rear body	
417	0095358		Foam Sys, Husky 12, Single Agent	1
			Discharge - 3 speed lays, front bumper, rear 2.5	

Line	Option	Type	Option Description	Qty
417			Amount of Disc. W/Foam - 5	
418	0012126		Not Required, CAF Compressor	1
419	0552481		Refill, Foam Tank, Single Tank, Husky 12, Class A Foam	1
420	0031896		Demonstration, Foam System, Dealer Provided	1
421	0005447		Foam Cell, 30 Gallon, Not Reduce Water	1
			Type of Foam - Class "A"	
422	0505016		Drain, 1.00", Foam Tank #1, Husky 12 Foam System	1
423	0091079		Not Required, Foam Tank #2	1
424	0091112		Not Required, Foam Tank #2 Drain	1
425	0746447		Approval Dwg, All Pump Panel(s), Includes Color And Label Tags	1
			Num Of Truck(s) or Sim Unit, ALL Pump Pnl, Dwg - 01	
426	0032479		Pump Panel Configuration, Control Zone	1
427	0635355		Material, Pump Panels, Side Control Painted FormCoat Black	1
			Material Finish, Pump Panel, Side Control - Painted FormCoat Black	
			Material, Pump Panel, Side Control - Aluminum	
428	0721776		Panel, Pump Access - Right Side, Hinged, Side Control	1
			Hinge Location - Forward	
			Latch, Pump Panel Access, Side Mount - Raised Trigger, Black	
429	0583824		Light, Pump Compt, WIn 3SC0CDCR LED White	1
			Qty, - 01	
430	0586382		Gauges, Engine, Included With Pressure Controller	1
431	0005601		Throttle, Engine, Incl'd w/Press Controller	1
432	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle,Green	1
433	0549333		Indicators, Engine, Included with Pressure Controller	1
434	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
435	0553643		Control, Air Horn at Pmp Pnl, Red Switch	1
436	0081262		Drains, RS, Keep Area Under Main Inlet Clear	1
437	0066121		Drains, LS, Keep Area Under Main Inlet Clear	1
438	0677893		Gauges, 6.00" Master, Class 1, Special, LED	1
			Gauge Pressure Range - 30"-0-400 psi	
			Light,Class One, Pressure - Red LED	
439	0782051	SP	Gauge, 2.50" Pressure, Class 1, Special, LED, #31140	1
			Gauge Pressure Range - 0-400 psi	
440	0604123		Gauge, Water Level, FRC, WLA 300-A00, TankVision Pro, w/Remote Light Driver	1
441	0581689		Water Level Gauge, WIn M4*Color lens w/Flange, Grn-Blu-Amb-Red, Vertical Mnt.	2
			Location - EACH SIDE, high, rearward of the CREW DOORS	
			Qty, - 02	
			Activation, Water Level G - pb) parking brake is applied	
442	0062992		Gauge, Foam Level, (1) Tank, Class 1, GAAAR 5lt	1
443	0665336		Light Shield/Step 8", 4-FRC Firefly LED115-Q01, P25 LED Step Lt	1
444	0665286		Light Shield/Step 8", PS, 3-FRC Firefly LED115-Q01, P25 LED Stp Lt	1
445	0606694		Air Horns, (2) Hadley, 6" Round, eTone, In Bumper	1
446	0606835		Location, Air Horns, Bumper, Each Side, Outside Frame, Outboard (Pos #1 & #7)	1
447	0757092		Control, Air Horn, Multi Select	1
448	0757077		Control, Air Horn, Lanyard, LS	1
			Lanyard - Plastic Coated Braided Cable	
449	0757084		Control, Air Horn, Horn Ring	1
450	0757076		Control, Air Horn, Lanyard, RS	1
			Lanyard - Plastic Coated Braided Cable	
451	0721026	SP	Siren, WIn 295SL101 (2), w/2 Switches, Removeable Mic	1
			Location - behind the officers seat, facing the engine tunnel	
			Location 1 - and the other within reach of the officer	
452	0781144	SP	Location, Elect Siren, Behind Officer Side Seat, Facing Eng Tun, Vel/Imp	1
453	0076156		Control, Elec Siren, Head Only	1
454	0722086	SP	Speaker, (2) WIn, SA315P, w/Pierce Black Painted Grille, Painted Bezel, 100 watt	1
			Connection, Speaker - siren head	
455	0601558		Location, Speaker, Frt Bumper, Recessed, Ea Side, Outside Frame, Inbrd (Pos 2/6)	1
456	0895310		Siren, Federal Q2B	1
			Finish, Q2B Siren - Black Chrome	
457	0578974		Siren, Mechanical, Recessed In Grille, Imp/Vel	1
458	0748305		Control, Mech Siren, Multi Select	1
459	0748279		Control Mech Siren, Push Button Sw, RS	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
460	0748282		Control Mech Siren, Ft Sw LS	1
461	0740391		Sw, Siren Brake, Momentary Chrome Push Button, RS	1
462	0740392		Sw, Siren Brake, Momentary Red, RS Overhead Sw Pnl	1
463	0006142		Cut-out, Elect Siren interlock to Prk Brk	1
464	0002623		Cut-Out, Mech Siren, Interlock to Prk Brk	1
465	0803965	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 3rd Location - D/S pump panel	1
466	0803539	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 1st Location - Driver's side switch panel	1
467	0803581	SP	Control System, Supplier Based, Electrical, HiViz FT-BG2S-UIP-001 UIP, 2nd Location - Officer's side switch panel	1
468	0746353		Not Required, Warning Lights Intensity	1
469	0721110	SP	Lightbar, Wln, Freedom IV-Q, 81", RBRRBRRWRRRBR	1
470	0898734		Filter, Whl Freedom Ltbrs - No Filters Light, Front Zone, Wln M6** M6** M6** M6** Q Bzl Color, Lens, LED's - Clear Color, Lt DS Frnt Outside - Left Red Color, Lt PS Frnt Outside - Right Red Color, Lt DS Front Inside - Left Blue Color, Lt PS Front Inside - Right Blue Color, Q Bezel and Trim - Black	1
471	0558676		Daytime Running Lights, Headlights, Qtm, Vel/Imp, Enf/AXT-MUX, DCF (Low Beam)	1
472	0654895	SP	Light, Front, Wln M6*C LED, Clear Lens, Black Flange 1st Location, Lights - below headlight Qty, - 02 Color, Lights, Warning - d) blue Control, Light - h) front warning	2
473	0653937		Flasher, Headlight Alternating	1
474	0888271	SP	Headlt flash deactivation - a)w/high beam Lights, Side Zone Lower, Wln M6*C LED, Clear Lens, Blk Trim, 3pr, Ovr 25 Location, Lights Front Side - b)each side bumper Color, Lt Side Front - Red Color, Lt Side Middle - Red Color, Lt Side Rear - Blue Location, Lights Mid Side - Rearward of Crew Cab Doors Location, Lights Rear Side - Between Tandem	1
475	0896616		Lights, Door Interior Flash, 4 Dr Cab, Weldon 8401-0000-20 Strip Light Control, Door Int Flash - None (Doors only) Location, Light, Door Int Flash - Over Window	1
476	0895609		Connectors, Door Interior Flash, All Cabs, Butt Splice	1
477	0678912		Lights, Door Interior Flash, Compt, Body Wln 50*03Z*R, TIR6 Location, Lights - one on each cab door Qty, - 04 Color, Lights, Warning - c) amber Color, Lens, LED's - c)clear	4
478	0889774		Lights, Side, Wln M9# LED, Split Color, Clear Lens, 2nd Location, Lights - one each side, high and rearward, on the rear body side Qty, - 02 Control, Light - b) side warning Color, Lt Side Split - Blue and Red Color, Trim - Black Trim	2
479	0746660	SP	Lights, Side Rf, Wln M4** LED, Paint Brkt, Custom 6lts, Trim Feature Location, Light Bar - b)over the crew cab doors Color, Lens, LED's - c)clear Color, Trim - Black Trim Color, Lt Side Front, DS - Red Color, Lt Side Front, PS - Red Color, Lt Side Mid DS - Blue Color, Lt Side Mid PS - Blue Color, Lt Side Rear PS - Red Color, Lt Side Rear DS - Red	1

Line	Option	Type	Option Description	Qty
480	0889775		Lights, Side, WIn M9# LED, Split Color, Clear Lens, 1st Location, Lights - one each side, high and forward, at the sides of the rear body Qty, - 02 Control, Light - b) side warning Color, Lt Side Split - Red and Blue Color, Trim - Black Trim	2
481	0564655		Lights, Rear Zn Lwr, WIn M6*C LED, Clear Lens, For Tail Lt Housing Color, Lt DS Rear - r) DS Rear Lt Red Color, Lt PS Rear - r) PS Rear Lt Red	1
482	0540799		Lights, Rear, WIn M9*C LED, Clear Lens Color, Light - x) one red, one amber Location, Rear Lights - Rear compt bulkheads Qty, - 02 Control, Light - a) rear upper warning	2
483	0740407		Lights, Rear, WIn M6** LED, Features 1st Location - Up high on rear body bulkhead Qty, - 02 Color, Lights, Warning - Blue Flashing Control, Light - a) rear upper warning Color, Lens, LED's - Clear Color, Trim - Black Trim	2
484	0088745		Light, Rear Zone Up, WIn L31HRFN LED Beacon, Red LED Color, Dome, Rear Warning - j) both domes clear	1
485	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
486	0006615		Mtg, Rear Warn Lts, On Top of Compt	1
487	0781507		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 2nd, Interior Cab Qty, - 01 Location 1 - RS EMS Compartment AC Power Source - Shoreline Cover, Receptacle - Interior SS Wall Plate(s)	1
488	0781505		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 3rd, Interior Cab Qty, - 02 Location 1 - one on each side of cab transverse compartment AC Power Source - Shoreline Cover, Receptacle - Interior, Flip Up Duplex Cover(s)	2
489	0781579		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Cab Qty, - 01 Location 1 - LS EMS Compartment AC Power Source - Shoreline Cover, Receptacle - Interior SS Wall Plate(s)	1
490	0779722		Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Interior Body Qty, - 07 Location 1 - One in each body compartment up high on the back wall AC Power Source - Shoreline Cover, Receptacle - Interior, Flip Up Duplex Cover	7
491	0519934		Not Required, Brand, Hydraulic Tool System	1
492	0649753		Not Required, PTO Driven Hydraulic Tool System	1
493	0007150		Bag of Nuts and Bolts Qty, Bag Nuts and Bolts - 1	1
494	0602516		NFPA Required Loose Equipment, Pumper, NFPA 2016, Provided by Fire Department	1
495	0519913		Not Required, Soft Suction Hose	1
496	0027023		No Strainer Required	1
497	0007067		Extinguisher, 10lb CO2 Qty, Extinguishers - 1	1
498	0533246		Extinguisher, 20 lb Dry Chemical Qty, Extinguishers - 1	1
499	0533277		Extinguisher, 2.5 Gal. Pressurized Water Qty, Extinguishers - 2	2
500	0602679		Axe, Flathead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
501	0602667		Axe, Pickhead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
502	0741569		Paint Process / Environmental Requirements, Appleton	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
503	0709846		Paint, Two-Tone Color, Velocity/Impel Paint Color, Upper Area, Predefined - #479 Charcoal Metallic Shield, Cab - Special Shield Paint Color, Lower Area, Predefined - #90 Red Paint Break, Cab - Special	1
504	0709845		Paint, Single Color, Body Paint, Body - Match Lower Cab	1
505	0645807		Paint Chassis Frame Assy, With Liner, E-Coat, All Joints Sealed Paint Color, Frame Assembly, Predefined - Standard Black	1
506	0693797		No Paint Required, Aluminum Front Wheels	1
507	0693792		No Paint Required, Aluminum Rear Wheels	1
508	0733739		Paint, Axle Hubs Paint, Axle Hub - Black #101	1
509	0620095		Paint, Drip Rail, Cab	1
510	0581434		Transit Coating, Carwell, Corrosion Protection, Including Underside	1
511	0007234		Compartment, Unpainted, D/A Finished	1
512	0556647		Reflective Band, 1"- 1"- 6"- 1"- 1", (10") Color, Reflect Band - A - e) black Color, Reflect Band - B - p) black Color, Reflect Band - C - za) black Color, Reflect Band - D - Black Color, Reflect Band - E - Black	1
513	0510041		Reflective across Cab Face, Imp/Vel	1
514	0763904		Stripe, Chevron, Rear, Oralite, Pumper Color, Oralite Band - A - Yellow V98-18 Color, Oralite Band - B - Red V98-12	1
515	0776492	SP	Stripe, Reflective, Chevron, Arrow Pattern, Oralite	1
516	0679802		Stripe, Reflective, Cab Sides, IPO Chrome Molding	1
517	0027285		Stripe, Gold Leaf, Side of Cab, Low and Over Fender	1
518	0007280		Stripe, Gold Leaf, Corner, (Cab)	1
519	0027372		Lettering Specifications, (GOLD STAR Process)	1
520	0686426		Lettering, Gold Leaf, 3.00", (61-80) Outline, Lettering - Outline and Shade	1
521	0068292		Stripe, Gold Leaf, Side of Body, Low and Over Fender	1
522	0685982		Lettering, Reflective, 12.00", (21-40) Outline, Lettering - Outline and Shade	1
523	0686266		Lettering, Gold Leaf, 1.00", (61-80) Outline, Lettering - Outline and Shade	1
524	0685985		Lettering, Reflective, 12.00", Each Qty, Lettering - 05	5
525	0686196		Lettering, Gold Leaf, 11.00", (21-40) Outline, Lettering - Outline and Shade	1
526	0685986		Lettering, Reflective, 11.00", (41-60) Outline, Lettering - Outline and Shade	1
527	0686005		Lettering, Reflective, 7.00", (21-40) Outline, Lettering - Outline and Shade	1
528	0686021		Lettering, Reflective, 4.00", (141-160) Outline, Lettering - Outline and Shade	1
529	0685992		Lettering, Reflective, 10.00", (1-20) Outline, Lettering - Outline and Shade	1
530	0686013		Lettering, Reflective, 6.00", Each Qty, Lettering - 10	10
531	0612088	SP	Emblem, Reflective, Patch, 24", Each Qty, - 01	1
532	0000298		Emblem, Eagle Hose 3 w/Goldleaf circle, 13.00, Color Imaged, Pair Location, Emblem - r1 door	1
533	0755303		Artwork File, Provided on Custom USB Drive	1
534	0695610		Emblem, Reflective, Per Dept. Submittal, Each Qty, - 04 Location, Emblem - crew cab door and 2 shipped loose	4

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
534			Size, Dept Seal, Reflect - 14" - 16"	
535	0654570		Emblem, Vinyl, Per Dept. Submittal, Each	4
			Qty, - 04	
			Location, Emblem - TBD BY CUSTOMER	
536	0652945		Size, Dept Seal, Vinyl - 28"-30" E-Coat, Under Body/Chassis Component Package	1
			Paint Color, E-Coat - Black	
537	0636438		E-Coat, Water Tank Cradle	1
			Paint Color, E-Coat - Black	
538	0002838		Undercoating, Cab & Body, Ziebart	1
539	0772003		Manual, Fire Apparatus Parts, USB Flash Drive, Custom	1
			Qty, - 01	
540	0772037		Manual, Chassis Service, USB Flash Drive, Custom	1
			Qty, - 01	
541	0773381		Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
542	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
543	0611136		Warranty, Chassis, 3 Year, Velocity/Impel, WA0284	1
544	0696698		Warranty, Engine, Cummins, 5 Year, WA0181	1
545	0684953		Warranty, Steering Gear, Sheppard M110, 3 Year WA0201	1
546	0595767		Warranty, Frame, 50 Year, Velocity/Impel, WA0038	1
547	0595698		Warranty, Axle, 3 Year, TAK-4, WA0050	1
548	0733306		Warranty, Single Axle, 5 Year, Meritor, General Service, WA0384	1
549	0652758		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
550	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
551	0744240		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
552	0524627		Warranty, Electronics, 5 Year, MUX, WA0014	1
553	0647720		Warranty, Pierce LED Strip Lights, WA0203	1
554	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
555	0685945		Warranty, Transmission Cooler, WA0216	1
556	0688798		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
557	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
558	0690936		Warranty, Roll up Doors, Not Required	1
559	0734463		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
560	0648675		Warranty, 10 Year S/S Pumbing, WA0035	1
561	0657846		Warranty, Foam System, Husky 12, WA0231	1
562	0595820		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
563	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
564	0683627		Certification, Vehicle Stability, CD0156	1
565	0736237		Certification, Engine Installation, Velocity, Cummins X12, 2021, CD0171	1
566	0686786		Certification, Power Steering, CD0098	1
567	0667417		Certification, Cab Integrity, Velocity FR, CD0009	1
568	0548950		Certification, Cab Door Durability, Velocity/Impel, CD0001	1
569	0548967		Certification, Windshield Wiper Durability, Impel/Velocity, CD0005	1
570	0667411		Certification, Electric Window Durability, Velocity/Impel FR, CD0004	1
571	0549273		Certification, Seat Belt Anchors and Mounting, Imp/Vel/Vel SLT, CD0018	1
572	0735950		Certification, Cab HVAC System Perf, Vel/Imp FR, CD0166/CD0168/CD0176/CD0177	1
573	0545073		Amp Draw Report, NFPA Current Edition	1
574	0002758		Amp Draw, NFPA/ULC Radio Allowance	1
575	0799248		Appleton/Florida BTO	1
576	0000018		PUMPER, 2ND GEN	1
577	0000012		PIERCE CHASSIS	1
578	0004713		ENGINE, OTHER	1
579	0046396		EVS 4000 Series TRANSMISSION	1
580	0020011		WATEROUS PUMP	1
581	0020009		POLY TANK	1
582	0028048		FOAM SYSTEM	1
583	0020006		SIDE CONTROL	1
584	0020007		AKRON VALVES	1
585	0020015		ABS SYSTEM	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Line	Option	Type	Option Description	Qty
586	0658751		PUMPER BASE	1

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Proposal for Jersey Village

Prepared by Siddons-Martin Emergency Group, Will Topf

09/02/2022



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

PERFORM. LIKE NO OTHER.™

CONTENTS

GENERAL DESIGN AND CONSTRUCTION..... 19

QUALITY AND WORKMANSHIP..... 19

DELIVERY 20

MANUAL AND SERVICE INFORMATION..... 20

SAFETY VIDEO 20

PERFORMANCE TESTS..... 20

SERVICE AND WARRANTY SUPPORT 20

LIABILITY 21

INSURANCE PROVIDED BY BIDDER 21

COMMERCIAL GENERAL LIABILITY INSURANCE 21

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE 22

UMBRELLA/EXCESS LIABILITY INSURANCE 22

INSURANCE PROVIDED BY MANUFACTURER 22

PRODUCT LIABILITY INSURANCE 22

UMBRELLA/EXCESS LIABILITY INSURANCE 23

SINGLE SOURCE MANUFACTURER..... 23

NFPA 2016 STANDARDS..... 23

NFPA COMPLIANCY 24

PUMP TEST 24

GENERATOR TEST 24

BREATHING AIR TEST 24

VEHICLE INSPECTION PROGRAM CERTIFICATION..... 24

APPARATUS MANUFACTURER 24

PRODUCT CHANGES AND IMPROVEMENTS 25

PRODUCT CHANGES AND IMPROVEMENTS 25

AFTERMARKET SUPPORT WEBSITE 25

BID BOND NOT REQUESTED 26

PERFORMANCE BOND NOT REQUESTED 26

APPROVAL DRAWING..... 27

DRAWING, COMPARTMENT LAYOUT 27

ELECTRICAL WIRING DIAGRAMS..... 27

VELOCITY CHASSIS..... 27

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

MAXIMUM OVERALL LENGTH.....27

TARGET OVERALL LENGTH.....27

WHEELBASE27

GVW RATING28

FRAME.....28

FRAME REINFORCEMENT28

FRONT NON DRIVE AXLE.....28

FRONT SUSPENSION29

FRONT SHOCK ABSORBERS.....29

FRONT OIL SEALS.....29

FRONT TIRES29

REAR AXLE29

TOP SPEED OF VEHICLE29

REAR SUSPENSION.....30

REAR OIL SEALS.....30

REAR TIRES.....30

TIRE BALANCE30

TIRE PRESSURE MANAGEMENT.....30

FRONT HUB COVERS31

REAR HUB COVERS.....31

CHROME LUG NUT COVERS31

MUD FLAPS.....31

WHEEL CHOCKS31

 Wheel Chock Brackets31

ANTI-LOCK BRAKE SYSTEM31

AUTOMATIC TRACTION CONTROL31

BRAKES.....32

BRAKE SYSTEM AIR COMPRESSOR32

BRAKE SYSTEM32

BRAKE SYSTEM AIR DRYER.....32

BRAKE LINES.....32

AIR INLET/OUTLET33

RECESSED BOX FOR AIR FITTING33

ADDITIONAL AIR TANK FOR AIR HORN33
U-BOLT GUARD OVER PARKING BRAKE KNOB33
REMOTE AIR TANK DRAINS33
COMPRESSION FITTINGS ONLY33
ENGINE33
REMOTE MOUNTED ENGINE FILTERS34
HIGH IDLE34
ENGINE BRAKE34
CLUTCH FAN.....35
HEATER SHUTOFF35
ENGINE AIR INTAKE.....35
EXHAUST SYSTEM.....35
EXHAUST MODIFICATION35
RADIATOR.....35
COOLANT LINES.....36
FUEL TANK.....36
DIESEL EXHAUST FLUID TANK.....36
FUEL PRIMING PUMP37
FUEL SHUTOFF37
FUEL COOLER.....37
FUEL TANK VENT37
FUEL FILL DRAIN.....37
DEF DOOR LABEL37
LABEL, FUEL DOOR37
FUEL SEPARATOR37
TRANSMISSION37
TRANSMISSION SHIFTER.....38
TRANSMISSION COOLER.....38
TRANSMISSION PROGRAM38
DRIVELINE38
STEERING38
STEERING WHEEL38
BUMPER38

Gravel Pan.....39

CENTER HOSE TRAY.....39

CENTER HOSE TRAY COVER.....39

LIFT AND TOW MOUNTS39

TOW HOOKS.....39

LICENSE PLATE (Mounting Holes)39

FRONT BUMPER UL-LX COATING.....40

CAB.....40

INTERIOR CAB INSULATION41

FENDER LINERS.....41

PANORAMIC WINDSHIELD41

WINDSHIELD WIPERS.....41

FAST SERVICE ACCESS FRONT TILT HOOD41

ENGINE TUNNEL.....42

CAB REAR WALL EXTERIOR COVERING.....42

CAB LIFT42

 Cab Lift Interlock.....42

GRILLE43

DOOR JAMB SCUFFPLATES43

SCUFFPLATES, REAR CAB CORNER GUARDS43

FRONT CAB TRIM.....43

MIRRORS43

FRONT CROSS VIEW MIRROR43

CAB DOORS.....44

 Door Panels.....44

RECESSED POCKET WITH ELASTIC COVER.....44

ELECTRIC WINDOW CONTROLS.....45

ELECTRIC CAB DOOR LOCKS45

KEY PAD CODE45

KEY PAD FOR ELECTRIC DOOR LOCKS45

CAB STEPS45

CAB EXTERIOR HANDRAILS.....45

STIRRUP STEPS.....46

STEP LIGHTS.....46

FENDER CROWNS46

INTERIOR CREW CAB DOOR HANDRAIL.....46

GRAB HANDLE(S).....46

RIGHT SIDE ROLLUP CREW CAB DOOR WINDOW TINT46

LEFT SIDE ROLLUP CREW CAB DOOR WINDOW TINT46

WINDOW COATINGS.....47

STORAGE COMPARTMENT.....47

 Compartment Light47

WEATHER STRIP.....47

WEBSITE TAG.....47

HOOD MODIFICATION47

INSULATION PACKAGE47

INSULATION WITH EXPANDED METAL.....48

COVER48

CAB ROOF DRIP RAIL.....48

SCREW INSERTS ON CAB DOORS48

MOUNTING PLATE ON ENGINE TUNNEL.....48

CAB INTERIOR.....48

CAB INTERIOR UPHOLSTERY49

CAB INTERIOR PAINT49

CAB FLOOR.....49

DEFROST/AIR CONDITIONING SYSTEM.....49

 Cab Defroster49

 Cab/Crew Auxiliary Heater50

 Air Conditioning50

 Climate Control51

 Gravity Drain Tubes.....51

DRAIN LINE ROUTING.....51

COVER, AIR CONDITIONING LINES AND CONNECTIONS51

TRACER DYE51

BRUSH GUARD.....51

HEATING AND AIR CONDITIONING52

INTERIOR CAB INSULATION52

SUN VISORS52

GRAB HANDLE52

ENGINE COMPARTMENT LIGHTS52

ACCESS TO ENGINE DIPSTICKS52

CAB SAFETY SYSTEM52

 Frontal Impact Protection.....53

 Side Roll Protection53

SEATING CAPACITY54

DRIVER SEAT54

OFFICER SEAT54

REAR FACING LEFT SIDE CABINET55

 Cabinet Light55

REAR FACING RIGHT SIDE CABINET.....55

 Cabinet Light56

FORWARD FACING DRIVER SIDE OUTBOARD SEAT56

FORWARD FACING CENTER SEAT56

FORWARD FACING PASSENGER SIDE OUTBOARD SEAT57

SEAT UPHOLSTERY57

AIR BOTTLE HOLDERS57

SEAT EMBROIDERY58

SEAT BELTS.....58

SHOULDER HARNESS HEIGHT ADJUSTMENT58

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT58

CAB DOME LIGHTS58

ADDITIONAL DOME LIGHTING59

ENHANCED SOFTWARE FOR CAB AND CREW CAB DOME LIGHTS59

PORTABLE HAND LIGHTS, PROVIDED BY FIRE DEPARTMENT59

CAB INSTRUMENTATION59

 Gauges59

 Indicator Lamps60

 Alarms61

 Indicator Lamp and Alarm Prove-Out61

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Control Switches.....61

Custom Switch Panels.....63

Diagnostic Panel.....63

Cab LCD Display63

AIR RESTRICTION INDICATOR64

"DO NOT MOVE APPARATUS" INDICATOR.....64

DO NOT MOVE TRUCK MESSAGES64

SWITCH PANELS65

WIPER CONTROL65

SPARE CIRCUIT.....65

SPARE CIRCUIT.....65

SPARE CIRCUIT.....66

SPARE CIRCUIT.....66

SPARE CIRCUIT.....66

SPARE CIRCUIT.....67

DASH PANEL RECESS.....67

RADIO, AM/FM/WB/USB/BT.....67

SWITCH, MASTER, AM/FM RADIO67

INFORMATION CENTER68

 General Screen Design68

 Home/Transit Screen.....68

 On Scene Screen69

 Virtual Buttons69

 Page Screen.....69

COLLISION MITIGATION71

VEHICLE DATA RECORDER.....71

 Seat Belt Monitoring System72

INTERCOM SYSTEM72

RADIO / INTERCOM INTERFACE INCLUDED73

OVER THE HEAD HEADSET73

HEADSET HANGERS.....73

BRACKET, JOHNNY RAY73

RADIO ANTENNA MOUNT.....73

VEHICLE VIDEO SYSTEM 73

VEHICLE CAMERA GUARD..... 74

VEHICLE CAMERA GUARDS 74

ELECTRICAL POWER CONTROL SYSTEM 74

 Solid-State Control System..... 75

 Circuit Protection and Control Diagram 75

 On-Board Electrical System Diagnostics 76

 TCU Module with WiFi..... 76

 Indicator Light and Alarm Prove-Out System 76

 Voltage Monitor System..... 76

 Dedicated Radio Equipment Connection Points..... 76

 EMI/RFI Protection 77

ELECTRICAL SYSTEM PROGNOSTICS..... 77

ELECTRICAL 77

BATTERY SYSTEM 78

BATTERY SYSTEM 78

MASTER BATTERY SWITCH..... 79

BATTERY COMPARTMENTS 79

JUMPER STUDS 79

POWER CONVERTER / BATTERY CHARGER..... 79

KUSSMAUL AUTO EJECT FOR SHORELINE 79

BATTERY ON INDICATOR..... 80

BATTERY CHARGE INDICATOR..... 80

INDICATOR, BATTERY STATUS..... 80

ALTERNATOR 80

ELECTRICAL REQUIREMENTS 80

GUARD 80

ELECTRONIC LOAD MANAGER 80

SEQUENCER 81

HEADLIGHTS 82

DIRECTIONAL LIGHTS 82

ADDITIONAL DIRECTIONAL LIGHT 82

INTERMEDIATE LIGHT 82

CAB CLEARANCE/MARKER/ID LIGHTS82

REAR CLEARANCE/MARKER/ID LIGHTING82

REAR FMVSS LIGHTING83

LICENSE PLATE BRACKET.....83

LIGHTING BEZEL84

BACK-UP ALARM.....84

CAB PERIMETER SCENE LIGHTS.....84

PUMP HOUSE PERIMETER LIGHTS84

BODY PERIMETER SCENE LIGHTS.....84

ADDITIONAL PERIMETER LIGHTS.....84

ENHANCED SOFTWARE FOR PERIMETER LIGHTS85

STEP LIGHTS85

12 VOLT LIGHTING85

12 VOLT LIGHTING85

12 VOLT LIGHTING86

12 VOLT LIGHTING86

12 VOLT LIGHTING86

12 VOLT LIGHTING86

12 VOLT LIGHTING87

ADDITIONAL HOSE BED LIGHTS87

HOSE BED LIGHTING87

WALKING SURFACE LIGHTS.....87

RADIO CUT OUT SWITCH.....88

RADIO CUT OUT SWITCH.....88

WATER TANK.....88

SLEEVE, PLUMBING, THROUGH TANK.....89

WATER TANK RESTRAINT89

HOSE BED.....89

HOSE BED DIVIDER89

HOSE BED COVER90

SECONDARY HOSE BED COVER SWITCH, COVER "NOT STOWED"90

LETTERING, HOSE BED REAR FLAP.....90

RUNNING BOARDS90

TAILBOARD.....91

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

REAR WALL, SMOOTH ALUMINUM/BODY MATERIAL91

REAR TOW EYES91

REAR TOW BAR.....91

RUNNING BOARD HOSE RESTRAINT91

HOSE TRAY.....91

COMPARTMENTATION92

UNDERBODY SUPPORT SYSTEM92

AGGRESSIVE WALKING SURFACE93

LOUVERS93

TESTING OF BODY DESIGN.....93

LEFT SIDE COMPARTMENTATION93

RIGHT SIDE COMPARTMENTATION.....94

SIDE COMPARTMENT ROLLUP DOOR(S).....95

COMPARTMENTATION, REAR96

ROLLUP REAR COMPARTMENT DOOR96

PULL STRAP, DOORS97

ROLL-UP DOOR TRIM97

ROLL-UP DOOR TRIM97

COMPARTMENT LIGHTING97

HATCH COMPARTMENT.....98

COMPARTMENT LIGHTING98

CARGO/DUNNAGE AREA LIGHTING98

MOUNTING TRACKS98

ADJUSTABLE SHELVES.....98

SLIDE-OUT ADJUSTABLE HEIGHT TRAY.....99

SLIDE-OUT/TILT-DOWN TRAY.....99

SLIDE-OUT FLOOR MOUNTED TRAY99

SWING OUT TOOLBOARD100

PARTITION, TRANSVERSE REAR COMPARTMENT.....100

MOUNTING, TRAFFIC CONES.....100

ADJUSTABLE HANGER/POST100

PEGBOARD101

RUB RAILS101

BODY FENDER CROWNS 101

BODY FENDER LINER..... 101

HARD SUCTION HOSE..... 101

HANDRAILS..... 101

HANDRAILS..... 102

AIR BOTTLE STORAGE TROUGH 102

AIR PACK STORAGE 102

AIR BOTTLE STORAGE (Single) 103

AIR BOTTLE COMPARTMENT STRAP 103

AIR BOTTLE STORAGE (Triple) 103

AIR BOTTLE COMPARTMENT STRAP 103

AIR BOTTLE STORAGE (Double) 103

AIR BOTTLE COMPARTMENT STRAP 103

AIR BOTTLE COMPARTMENT DOOR RESTRAINT 104

EXTENSION LADDER 104

ROOF LADDER 104

LADDER STORAGE 104

FOLDING LADDER..... 104

NYLATRON GROUND LADDER SLIDES 104

8' PIKE POLE 104

6 FT PIKE POLE 104

PIKE POLE STORAGE 105

FILTER LABEL..... 105

INDICATOR LAMP LABEL..... 105

FOLDING STEPS FRONT OF BODY 105

REAR FOLDING STEPS..... 105

PUMP COMPARTMENT 105

PUMP MOUNTING 106

LEFT SIDE PUMP CONTROL PANEL 106

IDENTIFICATION TAGS 106

GUARD 106

PUMP 106

PUMP TRANSMISSION..... 107

PUMPING MODE 108

AIR PUMP SHIFT 108

TRANSMISSION LOCK-UP 108

AUXILIARY COOLING SYSTEM 108

INTAKE RELIEF VALVE 108

PRESSURE CONTROLLER 109

PRIMING PUMP 109

THERMAL RELIEF VALVE 109

VALVE OPERATION 109

PUMP MANUALS 109

PLUMBING, STAINLESS STEEL AND HOSE 109

FOAM SYSTEM PLUMBING 110

MAIN PUMP INLETS 110

SHORT SUCTION TUBE(S) 110

INLET VALVES WITH INTAKE RELIEF VALVE 110

VALVES 110

INLET CONTROL 111

LEFT SIDE INLET 111

RIGHT SIDE INLET 111

ADAPTER, INLET 111

ANODE, INLET 111

INLET BLEEDER VALVE 111

TANK TO PUMP 111

TANK REFILL 112

DISCHARGE OUTLET CONTROLS 112

SWING CONTROLS 112

LEFT SIDE DISCHARGE OUTLETS 112

LEFT SIDE OUTLET ELBOWS 112

RIGHT SIDE DISCHARGE OUTLETS 112

RIGHT SIDE OUTLET ELBOWS 112

LARGE DIAMETER DISCHARGE OUTLET 112

LARGE DIAMETER OUTLET ELBOWS 113

FRONT DISCHARGE OUTLET 113

REAR DISCHARGE OUTLET..... 113

REAR OUTLET ELBOWS..... 113

DISCHARGE CAPS/ INLET PLUGS..... 113

OUTLET BLEEDER VALVE..... 113

REDUCER 114

DELUGE RISER..... 114

DUAL CONTROL 114

TELESCOPIC PIPING 114

MONITOR 114

NOZZLE 114

SPEEDLAYS WITH TRAY 114

SPEEDLAY HOSE RESTRAINT..... 115

SCUFFPLATE, SPEEDLAY WALL 115

BOOSTER HOSE REEL 115

HOSE REEL BLOWOUT..... 116

PRESSURE GAUGE..... 116

FOAM PROPORTIONER..... 116

 System Capacity..... 116

 Control System 117

 Low Level Foam Tank 117

 Hydraulic Drive System 117

 Foam Concentrate Pump 117

 External Foam Concentrate Connection..... 118

 Panel Mounted Strainer / External Pick-Up Connection..... 118

 Pick-Up Hose..... 118

 Discharges..... 118

 System Electrical Load 118

 Foam Supply Valve..... 118

 Maintenance Message 118

 Flush System..... 119

SINGLE FOAM TANK REFILL..... 119

FOAM TANK 119

FOAM TANK DRAIN..... 119

PUMP OPERATOR'S PANEL DRAWING 119

REMAINING PUMP PANEL(S) 120

COLOR CODED TAGS 120

SPECIAL TEXT/VERBIAGE TAGS 120

PUMP PANEL CONFIGURATION 120

PUMP AND GAUGE PANEL 121

PUMP ACCESS 121

 Right Side Panel 121

 Panel Fastener 121

PUMP COMPARTMENT LIGHT 121

THROTTLE READY GREEN INDICATOR LIGHT 121

OK TO PUMP INDICATOR LIGHT 121

AIR HORN SWITCH 121

DRAINS, LEFT SIDE 121

RIGHT SIDE DRAINS 121

VACUUM AND PRESSURE GAUGES 122

PRESSURE GAUGES 122

WATER LEVEL GAUGE 122

WATER LEVEL GAUGE 123

FOAM LEVEL GAUGE 123

STEP/LIGHT SHIELD 124

ADDITIONAL STEP/LIGHT SHIELD 124

AIR HORN SYSTEM 124

 Air Horn Location 124

 Air Horn Control 125

ELECTRONIC SIREN 125

SPEAKERS 125

AUXILIARY MECHANICAL SIREN 125

MECHANICAL SIREN CONTROL 126

INTERLOCK, ELECTRONIC SIREN 126

MECHANICAL SIREN INTERLOCK 126

INTERFACE PANEL, LIGHTING SYSTEM 126

INTERFACE PANEL, LIGHTING SYSTEM 126

INTERFACE PANEL, LIGHTING SYSTEM 126

FRONT ZONE UPPER WARNING LIGHTS 126

CAB FACE WARNING LIGHTS 127

DAYTIME RUNNING LIGHTS (HEADLIGHTS) 128

FRONT WARNING LIGHT 128

HEADLIGHT FLASHER 128

SIDE ZONE LOWER LIGHTING 128

INTERIOR CAB DOOR WARNING LIGHTS..... 129

ELECTRICAL CONNECTORS FOR WARNING LIGHTS..... 129

INTERIOR COMPARTMENT DOOR WARNING LIGHTS..... 129

SIDE WARNING LIGHTS..... 129

SIDE WARNING LIGHTS..... 129

ADDITIONAL SIDE UPPER LIGHTS 130

REAR ZONE LOWER LIGHTING 130

REAR WARNING LIGHTS 130

REAR WARNING LIGHTS 131

REAR/SIDE ZONE UPPER WARNING LIGHTS 131

120 VOLT RECEPTACLE 131

120 VOLT RECEPTACLE 131

120 VOLT RECEPTACLE 132

120 VOLT RECEPTACLE 132

LOOSE EQUIPMENT..... 132

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT 132

SOFT SUCTION HOSE 134

DRY CHEMICAL EXTINGUISHER 134

WATER EXTINGUISHER 134

FLATHEAD AXE PROVIDED BY FIRE DEPARTMENT 134

PICKHEAD AXE PROVIDED BY FIRE DEPARTMENT 134

PAINT PROCESS 134

 Environmental Impact..... 135

CAB TWO-TONE PAINT..... 136

BODY PAINT..... 136

PAINT/SEAL CHASSIS FRAME ASSEMBLY 136

AXLE HUB PAINT 137

PAINTED RAIN DRIP..... 137

TRANSIT COATING..... 137

COMPARTMENT INTERIOR FINISH 137

REFLECTIVE STRIPES..... 137

REAR CHEVRON STRIPING 138

CHEVRON, INVERTED "V" STRIPING ON CAB AND CREW CAB DOORS 138

CAB STRIPE 138

CAB STRIPE 138

CAB FACE STRIPE 138

LETTERING 138

LETTERING 138

BODY STRIPE 138

LETTERING 138

LETTERING 138

LETTERING 138

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

LETTERING 139

EMBLEM 139

EAGLE HOSE NUMBER 3 EMBLEM 139

ARTWORK ON CUSTOM USB DRIVE..... 139

EMBLEM 139

EMBLEM 139

E-COATING OF STEEL COMPONENTS 140

E-COATING OF WATER TANK CRADLE 140

UNDERCOATING, CAB & BODY 140

FIRE APPARATUS PARTS MANUAL 141

 Service Parts Internet Site 141

CHASSIS SERVICE MANUALS 141

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

CHASSIS OPERATION MANUAL 142

ONE (1) YEAR MATERIAL AND WORKMANSHIP 142

THREE (3) YEAR MATERIAL AND WORKMANSHIP 142

ENGINE WARRANTY 142

STEERING GEAR WARRANTY 142

FIFTY (50) YEAR STRUCTURAL INTEGRITY 142

FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY 142

SINGLE REAR AXLE FIVE (5) YEAR MATERIAL AND WORKMANSHIP WARRANTY 142

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY 142

TEN (10) YEAR STRUCTURAL INTEGRITY 142

TEN (10) YEAR PRO-RATED PAINT AND CORROSION 142

FIVE (5) YEAR MATERIAL AND WORKMANSHIP 142

COMPARTMENT LIGHT WARRANTY 143

TRANSMISSION WARRANTY 143

TRANSMISSION COOLER WARRANTY 143

WATER TANK WARRANTY 143

TEN (10) YEAR STRUCTURAL INTEGRITY 143

PUMP WARRANTY 143

TEN (10) YEAR PUMP PLUMBING WARRANTY 143

FOAM SYSTEM WARRANTY 143

TEN (10) YEAR PRO-RATED PAINT AND CORROSION 143

THREE (3) YEAR MATERIAL AND WORKMANSHIP 143

VEHICLE STABILITY CERTIFICATION 143

ENGINE INSTALLATION CERTIFICATION 144

POWER STEERING CERTIFICATION 144

CAB INTEGRITY CERTIFICATION 144

 Roof Crush 144

 Additional Roof Crush 144

 Side Impact 144

 Frontal Impact 144

 Additional Frontal Impact 144

CAB DOOR DURABILITY CERTIFICATION 145

WINDSHIELD WIPER DURABILITY CERTIFICATION 145

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

ELECTRIC WINDOW DURABILITY CERTIFICATION 145
SEAT BELT ANCHOR STRENGTH..... 145
SEAT MOUNTING STRENGTH..... 145
PERFORMANCE CERTIFICATIONS 145
 Cab Air Conditioning..... 145
 Cab Defroster 145
 Cab Auxiliary Heater..... 146
AMP DRAW REPORT..... 146

Siddons-Martin Emergency Group is pleased to submit a proposal to Jersey Village for a **Pierce® triple combination pumper** per your request for quotation. The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. This proposal will indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments advertised specifications.

PIERCE MANUFACTURING was founded in 1913. Since then we have been building bodies with one philosophy, "BUILD THE FINEST". Our skilled craftsmen take pride in their work, which is reflected, in the final product. We have been building fire apparatus since the early "forties" giving Pierce Manufacturing over 75 years of experience in the fire apparatus market. Pierce Manufacturing has built and put into service more than 62,500 apparatus, including more than 33,900 on Pierce custom chassis designed and built specifically for fire and emergency applications. Our Appleton, Wisconsin facility has over 870,000 total square feet of floor space situated on approximately 105 acres of land. Our Bradenton, Florida facility has 300,000 square feet of floor space situated on approximately 38 acres of land.

Our beliefs in high ethical standards are carried through in all of our commitments and to everyone with whom we do business. Honesty, Integrity, Accountability and Citizenship are global tenets by which we all live and work. Consequently, we neither engage in, nor have we ever been convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

Pierce has only one brand of fire apparatus "Pierce", ensuring you are receiving top of the line product that meets your specification.

In accordance with the current edition of NFPA 1901 standards, this proposal will specify whether the fire department, manufacturer, or apparatus dealership will provide required loose equipment.

Images and illustrative material in this proposal are as accurate as known at the time of publication, but are subject to change without notice. Images and illustrative material is for reference only, and may include optional equipment and accessories and may not include all standard equipment.

GENERAL DESIGN AND CONSTRUCTION

To control quality, ensure compatibility, and provide a single source for service and warranty, the custom cab, chassis, pump module and body will be entirely designed, assembled/welded and painted in Pierce owned manufacturing facilities. This includes, but not limited to the cab weldment, the pumphouse module assembly, the chassis assembly, the body and the electrical system.

QUALITY AND WORKMANSHIP

Pierce has set the pace for quality and workmanship in the fire apparatus field. Our tradition of building the highest quality units with craftsmen second to none has been the rule right from the beginning and we demonstrate that ongoing commitment by: Ensuring all steel welding follows American Welding Society D1.1-2004 recommendations for structural steel welding. All aluminum welding follows American Welding society and ANSI D1.2-2003 requirements for structural welding of aluminum. All sheet metal welding follows American welding Society B2.1-2000 requirements for structural welding of sheet metal. Our flux core arc welding uses alloy rods, type 7000 and is performed to American Welding Society standards A5.20-E70T1. Furthermore, all employees classified as welders are tested

and certified to meet the American welding Society codes upon hire and every three (3) years thereafter. Pierce also employs an American Welding Society certified welding inspector in plant during working hours to monitor weld quality.

Pierce Manufacturing operates a Quality Management System under the requirements of ISO 9001. These standards sponsored by the International Organization for Standardization (ISO) specify the quality systems that are established by the manufacturer for design, manufacture, installation and service. A copy of the certificate of compliance is included with this proposal.

In addition to the Quality Management system, we also employ a Quality Achievement Supplier program to insure the vendors and suppliers that we utilize meet the high standards we demand. That is just part of our overall "Quality at the Source" program at Pierce.

To demonstrate the quality of our products and services, a list of at least five (5) fire departments/municipalities that have purchased vehicles for a second time is provided.

DELIVERY

The apparatus will be delivered under its own power to insure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered.

MANUAL AND SERVICE INFORMATION

At time of delivery, complete operation and maintenance manuals covering the apparatus will be provided. A permanent plate will be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one (1) 39-minute, professionally produced apparatus safety video, in DVD format. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, and safety during maintenance.

PERFORMANCE TESTS

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded will not have less than 25 percent nor more than 50 percent on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle. The apparatus will meet NFPA 1901 acceleration and braking requirements.

SERVICE AND WARRANTY SUPPORT

Pierce dealership support will be provided by Siddons-Martin Emergency Group by operating a Pierce authorized service center. The service center will have factory-trained mechanics on staff versed in Pierce fire apparatus. The service facility will be located within twenty five (25) miles of the fire department.

In addition to the dealership, Pierce has service facilities located in both, Weyauwega, Wisconsin and Bradenton, Florida. Pierce also maintains a dedicated parts facility of over 100,000 square feet in Appleton, Wisconsin. The parts facility stocks in excess of \$5,000,000 in parts dedicated to service and replacement parts. The parts facility employs a staff dedicated solely for the distribution and shipment of service and replacement parts.

Service parts for the apparatus being proposed can be found via Pierceparts.com which, is an interactive online tool that delivers information regarding your specific apparatus as well as the opportunity to register for training classes.

As a Pierce customer you have the ability to view the complete bill of materials for your specific apparatus, including assembly drawings, piece part drawings, and beneficial parts notations. You will also have the ability to search the complete Pierce item master through a parts search function which offers all Pierce SKU's and descriptions offered on all Pierce apparatus. Published component catalogs, which include proprietary systems along with an extensive operators manual library is available for easy reference.

Pierce Manufacturing maintains a dedicated service and warranty staff of over 35 personnel, dedicated to customer support, which also maintains a 24 hour 7 day a week toll free hot line, four (4) on staff EVTs, and offers hands-on repair and maintenance training classes multiple times a year.

LIABILITY

The successful bidder will defend any and all suits and assume all liability for the use of any patented process including any device or article forming a part of the apparatus or any appliance furnished under the contract.

INSURANCE PROVIDED BY BIDDER

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Personal and Advertising Injury\$1,000,000

General Aggregate\$2,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form and will include Contractual Liability coverage for bodily injury and property damage subject to the terms and conditions of the policy. The policy will include Owner as an additional insured when required by written contract.

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

The successful bidder will, during the performance of the contract, keep in force at least the following minimum limits of commercial automobile liability insurance and coverage will be written on a Commercial Automobile liability form:

Each Accident Combined Single Limit:\$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate:\$3,000,000

Each Occurrence:\$3,000,000

The umbrella policy will be written on an occurrence basis and at a minimum provide excess to the bidder's General Liability and Automobile Liability policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Bidder agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as certificate holder.

INSURANCE PROVIDED BY MANUFACTURER

PRODUCT LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of Product Liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form. The manufacturer's policy will include the owner as additional insured when required by written contract between the Owner and a Pierce authorized dealer.

UMBRELLA/EXCESS LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Each Occurrence:\$25,000,000

Aggregate:\$25,000,000

The umbrella policy will be written on an occurrence basis and provide excess to the manufacturer's General Liability/Products policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Manufacturer agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as the certificate holder.

SINGLE SOURCE MANUFACTURER

Pierce Manufacturing, Inc. provides an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From our facilities, the chassis, cab weldment, cab, pumphouse (including the sheet metal enclosure, valve controls, piping and operators panel) and body will be entirely designed, tested, and hand assembled to the customer's exact specifications. The electrical system either hardwired or multiplexed, will be both designed and integrated by Pierce Manufacturing. The warranties relative to these major components (excluding component warranties such as engine, transmission, axles, pump, etc.) will be provided by Pierce as a single source manufacturer. Pierce's single source solution adds value by providing a fully engineered product that offers durability, reliability, maintainability, performance, and a high level of quality.

Your apparatus will be manufactured in Appleton, Wisconsin.

NFPA 2016 STANDARDS

This unit will comply with the NFPA standards effective January 1, 2016, except for fire department directed exceptions. These exceptions will be set forth in the Statement of Exceptions.

Certification of slip resistance of all stepping, standing and walking surfaces will be supplied with delivery of the apparatus.

All horizontal surfaces designated as a standing or walking surface that are greater than 48.00" above the ground must be defined by a 1.00" wide line along its outside perimeter. Perimeter markings and designated access paths to destination points will be identified on the customer approval print and are

shown as approximate. Actual location(s) will be determined based on materials used and actual conditions at final build. Access paths may pass through hose storage areas and opening or removal of covers or restraints may be required. Access paths may require the operation of devices and equipment such as the aerial device or ladder rack.

A plate that is highly visible to the driver while seated will be provided. This plate will show the overall height, length, and gross vehicle weight rating.

The manufacturer will have programs in place for training, proficiency testing and performance for any staff involved with certifications.

An official of the company will designate, in writing, who is qualified to witness and certify test results.

NFPA COMPLIANCY

Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".

PUMP TEST

Underwriters Laboratory (UL) will test, approved, and certify the pump. The test results and the pump manufacturer's certification of hydrostatic test; the engine manufacturer's certified brake horsepower curve; and the pump manufacturer's record of pump construction details will be forwarded to the Fire Department.

GENERATOR TEST

If the unit has a generator, Underwriters Laboratory (UL) will test, approved, and certify the generator. The test results will be provided to the Fire Department at the time of delivery.

BREATHING AIR TEST

If the unit has breathing air, Pierce Manufacturing will draw an air sample from the air system and have the sample certified that the air quality meets the requirements of NFPA 1989, *Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection*.

VEHICLE INSPECTION PROGRAM CERTIFICATION

To assure the vehicle is built to current NFPA 1901 standards, the apparatus, in its entirety, will be third-party, independent, audit-certified through Underwriters Laboratory (UL) that it is built and complies to all applicable standards in the current edition. The certification includes: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.

A placard will be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.

APPARATUS MANUFACTURER

Pierce Manufacturing is a subsidiary of Oshkosh Truck Corporation located in Oshkosh, Wisconsin. Oshkosh Truck Corporation is a publicly held company traded on the New York Stock Exchange (NYSE)

OSK). Oshkosh Truck Corporation is a fully owned and managed Corporation that is 100 percent held in the United States of America.

PRODUCT CHANGES AND IMPROVEMENTS

Our components and processes, as described in this proposal document, are as accurate as known at the time of bid submission, but are subject to change for the purpose of product or process improvements, or changes in industry standards providing the change does not affect the meaning or definition of the bid specifications.

PRODUCT CHANGES AND IMPROVEMENTS

Our components and processes, as described in this proposal document, are as accurate as known at the time of bid submission, but are subject to change for the purpose of product or process improvements, or changes in industry standards providing the change does not affect the meaning or definition of the bid specifications.

AFTERMARKET SUPPORT WEBSITE

Pierceparts.com will provide Pierce authorized dealer access to comprehensive information pertaining to the maintenance and service of their customer's apparatus. This tool will provide the Pierce authorized dealer the ability to service and support their customers to the best of their ability with factory support at their fingertips.

Pierceparts.com is also accessible to the end user through the guest login. Limited access is available and vehicle specific parts information accessible by entering a specific VIN number. All end users should see their local authorized Pierce dealer for additional support and service.

The website will consist of the following screens at the dealer level:

My Fleet Screen

The My Fleet screen will provide access to truck detail information on the major components of the vehicle, warranty information, available vehicle photographs, vehicle drawings, sales options, applicable vehicle software downloads, etc.

Parts Screens

The Parts screens will provide parts look-up capability of Pierce Manufacturing sourced items, with the aid of digital photographs, part drawings and assembly drawings. The parts search application will permit the searching of parts by item description or function group (major system category). The parts application will provide the ability to submit electronically a parts order, parts quote, or parts return request directly to Pierce Manufacturing for processing.

Warranty Screen

The Warranty screens will provide dealers the ability to submit electronically warranty claims directly to Pierce Manufacturing for reimbursement.

My Reports Screens

The My Reports screens will provide access to multiple dealer reports to allow the dealership to maintain communication with the customer on the status of orders, claims, and phone contacts.

Technical Support Screens

The Technical Support screens will provide access to all currently published Operation and Maintenance and Service Publications. Access to Pierce Manufacturing Service Bulletins and Work Instructions, containing information on current service topics and recommendations will be provided.

Training

The Training screens will provide access to upcoming training classes offered by Pierce Manufacturing along with interactive electronic learning modules (Operators Guides) covering the operation of major vehicle components will be provided. Access to training manuals used in Pierce Manufacturing training classes will be provided.

About Pierce

Access to customer service articles, corporate news, quarterly newsletters, and key contacts within the Customer Service Department will be provided. The current Customer Service Policy and Procedure Manual, detailing the operation of the Customer Service group will also be accessible.

BID BOND NOT REQUESTED

A bid bond will not be included. If requested, the following will apply:

All bidders will provide a bid bond as security for the bid in the form of a 5% bid bond to accompany their bid. This bid bond will be issued by a Surety Company who is listed on the U.S. Treasury Departments list of acceptable sureties as published in Department Circular 570. The bid bond will be issued by an authorized representative of the Surety Company and will be accompanied by a certified power of attorney dated on or before the date of bid. The bid bond will include language, which assures that the bidder/principal will give a bond or bonds as may be specified in the bidding or contract documents, with good and sufficient surety for the faithful performance of the contract, including the Basic One (1) Year Limited Warranty, and for the prompt payment of labor and material furnished in the prosecution of the contract.

Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle will apply only to the Basic One (1) Year Limited Warranty for such vehicle. Any surety bond related to the sale of a vehicle will not apply to any other warranties that are included within this bid (OEM or otherwise) or to the warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle. In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision will prevail.

PERFORMANCE BOND NOT REQUESTED

A performance bond will not be included. If requested at a later date, one will be provided to you for an additional cost and the following will apply:

The successful bidder will furnish a Performance and Payment bond (Bond) equal to 100 percent of the total contract amount within 30 days of the notice of award. Such Bond will be in a form acceptable to

the Owner and issued by a surety company included within the Department of Treasury's Listing of Approved Sureties (Department Circular 570) with a minimum A.M. Best Financial Strength Rating of A and Size Category of XV. In the event of a bond issued by a surety of a lesser Size Category, a minimum Financial Strength rating of A+ is required.

Bidder and Bidder's surety agree that the Bond issued hereunder, whether expressly stated or not, also includes the surety's guarantee of the vehicle manufacturer's Bumper to Bumper warranty period included within this proposal. Owner agrees that the penal amount of this bond will be simultaneously amended to 25 percent of the total contract amount upon satisfactory acceptance and delivery of the vehicle(s) included herein. Notwithstanding anything contained within this contract to the contrary, the surety's liability for any warranties of any type will not exceed three (3) years from the date of such satisfactory acceptance and delivery, or the actual Bumper to Bumper warranty period, whichever is shorter.

APPROVAL DRAWING

A drawing of the proposed apparatus will be prepared and provided to the purchaser for approval before construction begins. The Pierce sales representative will also be provided with a copy of the same drawing. The finalized and approved drawing will become part of the contract documents. This drawing will indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the apparatus will be prepared and submitted by Pierce to the purchaser showing any changes made to the approval drawing.

DRAWING, COMPARTMENT LAYOUT

A basic drawing will be provided for the interior body compartments. This drawing will be provided for graphic representation only and will include such things as shelves, trays, reels, dividers, air control panels, air bottle storage bins, poly boxes & etc.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, will be provided.

VELOCITY CHASSIS

The Pierce Velocity® is the custom chassis developed exclusively for the fire service. Chassis provided will be a new, tilt-type custom fire apparatus. The chassis will be manufactured in the apparatus body builder's facility eliminating any split responsibility. The chassis will be designed and manufactured for heavy-duty service, with adequate strength and capacity for the intended load to be sustained and the type of service required. The chassis will be the manufacturer's first line tilt cab.

MAXIMUM OVERALL LENGTH

The maximum overall length of the apparatus will be 405.25".

TARGET OVERALL LENGTH

The target overall length of the apparatus will be less than 396".

WHEELBASE

The wheelbase of the vehicle will be 224.5.

GVW RATING

The gross vehicle weight rating will be 49,800.

FRAME

The chassis frame will be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. The side rails will have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to 10.75" over the rear axle. Each rail will have a section modulus of 25.992 cubic inches and a resisting bending moment (rbm) of 3,119,040 in-lb over the critical regions of the frame assembly, with a section modulus of 18.96 cubic inches with an rbm of 2,275,200 in-lb over the rear axle. The frame rails will be constructed of 120,000 psi yield strength heat-treated 0.38" thick steel with 3.50" wide flanges.

FRAME REINFORCEMENT

In addition, a mainframe internal liner will be provided. The liner will be an internal "C" design that steps to an internal "L" design over the rear axle. It will be heat-treated steel measuring 12.50" x 3.00" x 0.25" through the front portion of the liner, stepping to 9.38" x 3.00" x 0.25" through the rear portion of the liner. Each liner will have a section modulus of 13.58 cubic inches, yield strength of 110,000 psi, and rbm of 1,494,042 in-lb. Total rbm at wheelbase center will be 4,391,869 in-lb.

The frame liner will be mounted inside of the chassis frame rail and extend the full length of the frame.

FRONT NON DRIVE AXLE

The Oshkosh TAK-4® front axle will be of the independent suspension design with a ground rating of 22,800 lb.

Upper and lower control arms will be used on each side of the axle. Upper control arm castings will be made of 100,000-psi yield strength 8630 steel and the lower control arm casting will be made of 55,000-psi yield ductile iron.

The center cross members and side plates will be constructed out of 80,000-psi yield strength steel.

Each control arm will be mounted to the center section using elastomer bushings. These rubber bushings will rotate on low friction plain bearings and be lubricated for life. Each bushing will also have a flange end to absorb longitudinal impact loads, reducing noise and vibrations.

There will be nine (9) grease fittings supplied, one (1) on each control arm pivot and one (1) on the steering gear extension.

The upper control arm will be shorter than the lower arm so that wheel end geometry provides positive camber when deflected below rated load and negative camber above rated load.

Camber at load will be 0 degrees for optimum tire life.

The ball joint bearing will be of low friction design and be maintenance free.

Toe links that are adjustable for alignment of the wheel to the center of the chassis will be provided.

The wheel ends will have little to no bump steer when the chassis encounters a hole or obstacle.

The steering linkage will provide proper steering angles for the inside and outside wheel, based on the vehicle wheelbase.

The axle will have a turning angle of up to 45 degrees.

FRONT SUSPENSION

Front Oshkosh TAK-4™ independent suspension will be provided with a minimum ground rating of 22,800 lb.

The independent suspension system will be designed to provide maximum ride comfort. The design will allow the vehicle to travel at highway speeds over improved road surfaces and at moderate speeds over rough terrain with minimal transfer of road shock and vibration to the vehicle's crew compartment.

Each wheel will have torsion bar type spring. In addition, each front wheel end will also have energy absorbing jounce bumpers to prevent bottoming of the suspension.

The suspension design will be such that there is at least 10.00" of total wheel travel and a minimum of 3.75" before suspension bottoms.

The torsion bar anchor lock system allows for simple lean adjustments, without the use of shims. One can adjust for a lean within 15 minutes per side. Anchor adjustment design is such that it allows for ride height adjustment on each side.

The independent suspension was put through a durability test that simulated 140,000 miles of inner city driving.

FRONT SHOCK ABSORBERS

KONI heavy-duty telescoping shock absorbers will be provided on the front suspension.

FRONT OIL SEALS

Oil seals with viewing window will be provided on the front axle.

FRONT TIRES

Front tires will be Michelin 425/65R22.50 radials, 20 ply all-position XZY3 wide base tread, rated for 22,800 lb maximum axle load and 65 mph maximum speed.

The tires will be mounted on Alcoa© 22.50" x 12.25" Dura-Black® polished aluminum disc type wheels with a ten (10) stud, 11.25" bolt circle.

REAR AXLE

The rear axle will be a Meritor™, Model RS-26-185, with a capacity of 27,000 lb.

TOP SPEED OF VEHICLE

NFPA 1901, 2016 edition requires limits on the top speed of vehicles. NFPA 4.15.2 requires that the maximum top speed of fire apparatus with a GVWR over 26,000 lb will not exceed either 68 mph or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower. NFPA 4.15.3 requires that if the combined water tank and foam agent tank on the fire apparatus exceed 1250 gallons or the GVWR of the vehicle is over 50,000 lb, the maximum top speed of the

apparatus will not exceed either 60 mph or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower. It is the intention of the standard to improve safety by limiting the speed of all apparatus to 68 mph, and tankers or heavy apparatus to 60 mph. By requesting an exception to this requirement, the purchasing authority is consciously choosing to operate their apparatus at speeds above the limits designated as safe speeds by the NFPA Technical Committee on Fire Department Apparatus.

The top speed of the apparatus as manufactured exceeds the NFPA requirements. Per fire department specification of a top speed that exceeds NFPA requirements, the apparatus will be non-compliant to NFPA 1901 standards at time of contract execution.

A rear axle ratio will be furnished to allow the vehicle to reach an approximate top speed of 68 MPH.

REAR SUSPENSION

The rear suspension will be Standens, semi-elliptical, 3.00" wide x 53.00" long, 12-leaf pack with a ground rating of 27,000 lb. The spring hangers will be castings.

The two (2) top leaves will wrap the forward spring hanger pin, and the rear of the spring will be a slipper style end that will ride in a rear slipper hanger. To reduce bending stress due to acceleration and braking, the front eye will be a berlin eye that will place the front spring pin in the horizontal plane within the main leaf.

A steel encased rubber bushing will be used in the spring eye. The steel encased rubber bushing will be maintenance free and require no lubrication.

REAR OIL SEALS

Oil seals will be provided on the rear axle(s).

REAR TIRES

Rear tires will be four (4) Michelin 315/80R22.50 radials, load range L, X® WORKS™ Z, rated for 33,080 lb maximum axle load and 65 mph maximum speed.

REAR WHEELS

The tires will be mounted on Alcoa© 22.50" x 9.00" Dura-Black® aluminum disc wheels with a ten (10) stud, 11.25" bolt circle.

TIRE BALANCE

All tires will be balanced with Counteract balancing beads. The beads will be inserted into the tire and eliminate the need for wheel weights.

TIRE PRESSURE MANAGEMENT

There will be a RealWheels LED AirSecure™ tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 10 and 200 psi. The sensor will activate an integral battery operated LED when the pressure of that tire drops 5 to 8 psi.

Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start to flash.

FRONT HUB COVERS

Stainless steel hub covers will be provided on the front axle. An oil level viewing window will be provided.

REAR HUB COVERS

A pair of stainless steel high hat hub covers will be provided on rear axle hubs.

CHROME LUG NUT COVERS

Chrome lug nut covers will be supplied on front and rear wheels.

MUD FLAPS

Mud flaps with a Pierce logo will be installed behind the front and rear wheels.

WHEEL CHOCKS

There will be one (1) pair of folding Ziamatic, Model SAC-44-E, aluminum alloy, Quick-Choc wheel blocks, with easy-grip handle provided.

Wheel Chock Brackets

There will be one (1) pair of Zico, Model SQCH-44-H, horizontal mounting wheel chock brackets provided for the Ziamatic, Model SAC-44-E, folding wheel chocks. The brackets will be made of aluminum and consist of a quick release spring loaded rod to hold the wheel chocks in place. The brackets will be mounted one (1) forward and one (1) rearward of the left side rear tire.

ANTI-LOCK BRAKE SYSTEM

The vehicle will be equipped with a Wabco 4S4M, anti-lock braking system. The ABS will provide a four (4) channel anti-lock braking control on both the front and rear wheels. A digitally controlled system that utilizes microprocessor technology will control the anti-lock braking system. Each wheel will be monitored by the system. When any particular wheel begins to lockup, a signal will be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

AUTOMATIC TRACTION CONTROL

An anti-slip feature will be included with the ABS. The Automatic Traction Control will be used for traction in poor road and weather conditions. The Automatic Traction Control will act as an electronic differential lock that will not allow a driving wheel to spin, thereby supplying traction at all times. The ABS electronic control unit (ECU) will work with the engine ECU, sharing information concerning wheel slip. Engine ECU will use information to control engine speed, allowing only as much throttle application as required for the available traction, regardless of how much the driver is asking for. An

"off road traction" switch will be provided on the instrument panel. Activation of the switch will allow additional tire slip to let the truck climb out and get on top of deep snow or mud.

BRAKES

The service brake system will be full air type.

The front brakes will be Knorr/Bendix disc type with a 17.00" ventilated rotor for improved stopping distance.

The brake system will be certified, third party inspected, for improved stopping distance.

The rear brakes will be Meritor™, Disc Plus, Model EX225, disc operated with automatic slack adjusters and a 17.00" ventilated rotor for improved stopping distance.

BRAKE SYSTEM AIR COMPRESSOR

The air compressor will be a Cummins/WABCO with 25.9 cubic feet per minute output.

BRAKE SYSTEM

The brake system will include:

- Bendix® dual brake treadle valve
- Heated automatic moisture ejector on air dryer
- Total air system capacity of 4,362 cubic inches
- Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi
- Spring set parking brake system
- Parking brake operated by a push-pull style control valve
- A parking "brake on" indicator light on instrument panel
- Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, with an automatic spring brake application at 40 psi
- A pressure protection valve to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa)
- 1/4 turn drain valve on each air tank

The air tank will be primed and painted to meet a minimum 750 hour salt spray test.

To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

BRAKE SYSTEM AIR DRYER

The air dryer will be WABCO System Saver 1200 with spin-on coalescing filter cartridge and 100 watt heater.

BRAKE LINES

Color-coded nylon brake lines will be provided. The lines will be wrapped in a heat protective loom in the chassis areas that are subject to excessive heat.

AIR INLET/OUTLET

One (1) air inlet/outlet will be installed recessed with the female coupling located on the driver side pump panel. This system will tie into the "wet" tank of the brake system and include a check valve in the inlet line and an 85 psi pressure protection valve in the outlet line. The air outlet will be controlled by a needle valve.

A mating male fitting will be provided with the loose equipment.

The air inlet will allow a shoreline air hose to be connected to the vehicle. This will allow station air to be supplied to the brake system of the vehicle to insure constant air pressure.

RECESSED BOX FOR AIR FITTING

One (1) air inlet/outlet will have a smooth aluminum recessed box provided. The box(es) will allow the air fitting to be recessed inside the stepwell to prevent damage. in the D/S pump house.

ADDITIONAL AIR TANK FOR AIR HORN

An additional air tank with 1,454 cubic inch displacement will be provided to increase the capacity of the air system. This tank will be dedicated for air horn use.

The air tank will be primed and painted to meet a minimum 750 hour salt spray test. To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

The output flow of the engine air compressor varies with engine rpm. Full compressor output is only achieved at governed engine speed. Engine speed may be limited by generators, pumps and other PTO driven options.

U-BOLT GUARD OVER PARKING BRAKE KNOB

There will be one (1) U-bolt type protective guard(s) installed over the "Parking Brake" knob to prevent accidental activation of the brake. The guard will be located on the driver's side.

REMOTE AIR TANK DRAINS

Brass 1/4 turn drain valves will be remote mounted for each air supply reservoir.

The drain valves will be banked together in a mounting plate on the driver side of vehicle, as close to the edge of the vehicle as possible.

Each drain valve will have a label directly above that identifies the corresponding air tank.

Nylon tubing, .38" diameter, will be routed from the air tank to the 1/4 turn drain valve. The nylon tubing will be covered with protective split loom.

The air tank drain(s) will be provided on the under left front body reservoir(s).

COMPRESSION FITTINGS ONLY

Any nylon tube on the apparatus that is pneumatic will be plumbed with compression type fittings where applicable. Push lock fittings will not be acceptable for any pneumatic nylon tube plumbing.

ENGINE

The chassis will be powered by an electronically controlled engine as described below:

Make:	Cummins
Model:	X12
Power:	525 hp at 1900 rpm
Torque:	1695 lb-ft at 1000 rpm
Governed Speed:	2000 rpm
Emissions Level:	EPA 2021
Fuel:	Diesel
Cylinders:	Six (6)
Displacement:	720 cubic inches (11.8L)
Starter:	Delco 39MT™
Fuel Filters:	Spin-on style primary filter with water separator and water-in-fuel sensor. Secondary spin-on style filter.

The engine will include On-board diagnostics (OBD), which provides self diagnostic and reporting. The system will give the owner or repair technician access to state of health information for various vehicle sub systems. The system will monitor vehicle systems, engine and after treatment. The system will illuminate a malfunction indicator light on the dash console if a problem is detected.

REMOTE MOUNTED ENGINE FILTERS

The engine fuel and oil filters will be remote mounted for ease of maintenance.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle."

ENGINE BRAKE

A Jacobs® engine brake is to be installed with the controls located on the instrument panel within easy reach of the driver.

The driver will be able to turn the engine brake system on/off and have a high, medium and low setting.

The engine brake will activate when the system is on and the throttle is released.

The high setting of the brake application will activate and work simultaneously with the variable geometry turbo (VGT) provided on the engine.

The engine brake will be installed in such a manner that when the engine brake is slowing the vehicle the brake lights are activated.

The ABS system will automatically disengage the auxiliary braking device, when required.

CLUTCH FAN

A Horton® fan clutch will be provided. The fan clutch will be automatic when the pump transmission is in "Road" position, and fully engaged in "Pump" position.

HEATER SHUTOFF

The cab and crew cab heaters will be provided with a shut-off valve installed in the supply line. This valve will be in an accessible location.

Shut-off valve will be labeled for easy recognition.

ENGINE AIR INTAKE

An air intake with an ember separator (to prevent road dirt, burning embers, and recirculating hot air from entering the engine) will be mounted at the front of the apparatus, on the passenger side of the engine. The ember separator will be mounted in the air intake with flame retardant, roto-molded polyethylene housing. It will be easily accessible by the hinged access panel at the front of the vehicle.

EXHAUST SYSTEM

The exhaust system will include a Single Module™ aftertreatment device to meet current EPA standards. The exhaust system will be stainless steel from the turbo to the inlet of the aftertreatment device, and will be 5.00" in diameter. An insulation wrap will be provided on all exhaust pipes between the turbo and aftertreatment device to minimize the heat loss to the aftertreatment device. The exhaust will terminate horizontally ahead of the right side rear wheels. A tailpipe diffuser will be provided to reduce the temperature of the exhaust as it exits. Heat deflector shields will be provided to isolate chassis and body components from the heat of the tailpipe diffuser.

EXHAUST MODIFICATION

The exhaust pipe will be brought out from under the body at a 90 degree angle from the truck. The tail pipe will terminate flush with the body rubrail, adaptable for the Plymovent system. The diameter of the diffuser will be 7.00". There will be a clearance of 4.00" completely around the pipe once past the side of the body. A stop will be provided on the tail pipe that will prevent the nozzle from sliding too far on.

RADIATOR

The radiator and the complete cooling system will meet or exceed NFPA and engine manufacturer cooling system standards.

For maximum corrosion resistance and cooling performance, the entire radiator core will be constructed using long life aluminum alloy. The core will be made of aluminum fins, having a serpentine design, brazed to aluminum tubes. The tubes will be brazed to aluminum headers. The radiator core will have a minimum frontal area of 1434 square inches. Supply tank made of glass-reinforced nylon and a return tank of cast aluminum alloy will be crimped on to the core assembly using header tabs and a compression gasket to complete the radiator core assembly. The radiator will be compatible with commercial antifreeze solutions.

There will be a full steel frame around the entire radiator core assembly. The radiator core assembly will be isolated within the steel frame by rubber inserts to enhance cooling system durability and reliability. The radiator will be mounted in such a manner as to prevent the development of leaks

caused by twisting or straining when the apparatus operates over uneven ground. The radiator assembly will be isolated from the chassis frame rails with rubber isolators.

The radiator assembly will include an integral de-aeration tank permanently mounted to the top of the radiator framework, with a readily accessible remote-mounted overflow tank. For visual coolant level inspection, the radiator will have a built-in sight glass. The radiator will be equipped with a 15 psi pressure relief cap.

A drain port will be located at the lowest point of the cooling system and/or the bottom of the radiator to permit complete flushing of the coolant from the system.

A heavy-duty fan will draw in fresh, cool air through the radiator. Shields or baffles will be provided to prevent recirculation of hot air to the inlet side of the radiator.

COOLANT LINES

Gates, or Goodyear, rubber hose will be used for all engine coolant lines installed by the chassis manufacturer.

Hose clamps will be stainless steel "constant torque type" to prevent coolant leakage. They will react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose.

FUEL TANK

A 65 gallon fuel tank will be provided and mounted at rear of chassis. The tank will be constructed of 12-gauge, hot rolled steel. It will be equipped with swash partitions and a vent. To eliminate the effects of corrosion, the fuel tank will be mounted with stainless steel straps.

A .75" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be located on the left hand and right hand sides of the body and be covered with a hinged, spring loaded, stainless steel door that is marked "Ultra Low Sulfur - Diesel Fuel Only."

A .50" diameter vent will be provided running from top of tank to just below fuel fill inlets.

The tank will meet all FHWA 393.67 requirements including a fill capacity of 95 percent of tank volume.

Servicing the fuel tank pick-up tubes and fuel gauge sending unit will be capable of being accomplished by draining fuel and dropping tank.

All fuel lines will be provided as recommended by the engine manufacturer.

DIESEL EXHAUST FLUID TANK

A 4.5 gallon diesel exhaust fluid (DEF) tank will be provided and mounted in the driver's side body rearward of the rear axle.

A 0.50" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be provided and marked "Diesel Exhaust Fluid Only". The fill inlet will be located adjacent to the air bottle storage behind a common door on the driver side of the vehicle.

The tank will meet the engine manufacturers requirement for 10 percent expansion space in the event of tank freezing.

The tank will include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing.

FUEL PRIMING PUMP

A Cummins automatic electronic fuel priming pump will be integrated as part of the engine.

FUEL SHUTOFF

A shutoff valve will be installed in the fuel line, on both sides of the fuel filter.

FUEL COOLER

An air to fuel cooler will be installed in the engine fuel return line.

The fuel filler cap will have a retaining chain and holder provided on the fuel fill door.

FUEL TANK VENT

The fuel tank vent will be located a minimum of 40.00" from the ground. It will be clocked rearward.

FUEL FILL DRAIN

A drain will be added inside the fuel fill door, below the DEF fill inlet. The drain will be extended down below the body.

DEF DOOR LABEL

A label will be provided inside door. It will read "DEF Only".

LABEL, FUEL DOOR

A label will be provided, Inside fuel door, to read "Diesel Fuel Only".

FUEL SEPARATOR

The engine will be equipped with a Racor in-line spin-on fuel and water separator in addition to the engine fuel filters.

TRANSMISSION

An Allison 6th generation, Model EVS 4000P, electronic, torque converting, automatic transmission will be provided.

The transmission will be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.

Two (2) PTO openings will be located on left side and top of converter housing (positions 8 o'clock and 1 o'clock).

A transmission temperature gauge with an amber light and buzzer will be installed on the cab instrument panel.

TRANSMISSION SHIFTER

A six (6)-speed push button shift module will be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.

The transmission ratio will be:

1st	3.51 to 1.00
2nd	1.91 to 1.00
3rd	1.43 to 1.00
4th	1.00 to 1.00
5th	0.75 to 1.00
6th	0.64 to 1.00
R	4.80 to 1.00

TRANSMISSION COOLER

A Modine plate and fin transmission oil cooler will be provided using engine coolant to control the transmission oil temperature.

TRANSMISSION PROGRAM

The transmission will shift to neutral when parking brake is set.

DRIVELINE

Drivelines will be a heavy-duty metal tube and be equipped with Spicer® 1810 universal joints.

The shafts will be dynamically balanced before installation.

A splined slip joint will be provided in each driveshaft where the driveline design requires it. The slip joint will be coated with Glidecoat® or equivalent.

STEERING

Dual Sheppard, Model M110, steering gears, with integral heavy-duty power steering, will be provided. For reduced system temperatures, the power steering will incorporate an air to oil cooler and an Eaton, Model VN20, hydraulic pump with integral pressure and flow control. All power steering lines will have wire braded lines with crimped fittings.

A tilt and telescopic steering column will be provided to improve fit for a broader range of driver configurations.

STEERING WHEEL

The steering wheel will be 18.00" in diameter, have tilting and telescoping capabilities, and a 4-spoke design.

BUMPER

A one (1) piece bumper manufactured from 0.25" formed steel with a 0.38" bend radius will be provided. The bumper will be a minimum of 10.00" high with a 1.50" top and bottom flange, and will extend 22.00" from the face of the cab. The bumper will be 102.00" wide with 45 degree corners and side plates. The bumper will be metal finished and painted job color.

To provide adequate support strength, the bumper will be mounted directly to the front of the C channel frame. The frame will be a bolted modular extension frame constructed of 50,000 psi tensile steel.

Gravel Pan

A gravel pan, constructed of bright aluminum treadplate, will be furnished between the bumper and the cab face. The pan will be properly supported from the underside to prevent flexing and vibration.

CENTER HOSE TRAY

A hose tray constructed of aluminum will be placed in the center of the bumper extension.

The top edge will be round extrusion with welded mitered corners. The driver side top edge of the tray will be notched. The notch will be 0.75" deep, filled in, welded and metal finished to prevent hose abrasion.

The tray will have a capacity of up to 150' of 1.75" double jacket cotton-polyester hose.

Black rubber grating will be provided at the bottom of the tray. Drain holes are also provided.

CENTER HOSE TRAY COVER

A bright aluminum treadplate cover will be provided over the center hose tray.

The cover will a .75" lip, rolled down on the front and two (2) sides. The cover will be .75" wider than the tray, offset to the driver side, providing additional clearance for the hose to go through the notch in the tray.

The cover will be attached with a stainless steel hinge.

One (1) D-ring latch will secure the cover in the closed position and one (1) pneumatic stay arm will hold the cover in the open position.

A stay arm will be mounted on the passenger side.

LIFT AND TOW MOUNTS

Mounted to the frame extension will be lift and tow mounts. The lift and tow mounts will be designed and positioned to adapt to certain tow truck lift systems.

The lift and tow mounts with eyes will be painted the same color as the frame.

TOW HOOKS

Two (2) chromed steel tow hooks will be installed under the bumper and attached to the front frame members. The tow hooks will be designed and positioned to allow up to a 6,000 lb straight horizontal pull in line with the centerline of the vehicle. The tow hooks will not be used for lifting of the apparatus.

LICENSE PLATE (MOUNTING HOLES)

Four (4) mounting holes will be provided in the center of the front bumper for the customer to mount a license plate.

FRONT BUMPER UL-LX COATING

Protective black UL-LX® coating will be provided on the outside exterior of the top front bumper flange. It will not be sprayed on the underside of the flange.

The lining will be properly installed by an authorized UL-LX dealer.

CAB

The Velocity cab will be designed specifically for the fire service and will be manufactured by Pierce Manufacturing.

To provide quality at the source and single source customer support, the cab will be built by the apparatus manufacturer in a facility located on the manufacturer's premises.

For reasons of structural integrity and enhanced occupant protection, the cab will be of heavy duty design, constructed to the following minimal standards.

The cab will have 12 main vertical structural members located in the A-pillar (front cab corner posts), B-pillar (side center posts), C-pillar (rear corner posts) and rear wall areas. The A-pillar will be constructed of 0.25" heavy wall extrusions joined by a solid A356-T6 aluminum joint casting. The B-pillar and C-pillar will also be constructed from 0.25" heavy wall extrusions. The rear wall will be constructed of two (2) 4.00" x 2.00" outer aluminum extrusions and two (2) 3.00" x 2.00" inner aluminum extrusions. All main vertical structural members will run from the floor to 7.50" x 3.50" x 0.125" thick roof extrusions to provide a cage-like structure with the A-pillar and roof extrusions being welded into a 0.75" thick corner casting at each of the front corners of the roof assembly.

The front of the cab will be constructed of a 0.25" thick firewall, covered with a 0.125" front skin (for a total thickness of 0.38"), and reinforced with 24.50" wide x 10.00" deep x 0.50" thick supports on each side of the engine tunnel. The cross-cab support will be welded to the A-pillar, 0.25" firewall, and engine tunnel, on the left and right sides.

The cab floors will be constructed of 0.1875" thick aluminum plate and reinforced at the firewall with an additional 0.25" thick cross-floor support providing a total thickness of 0.44" of structural material at the front floor area. The front floor area will also be supported with three (3) 0.50" plates bolted together that also provides the mounting point for the cab lift. This tubing will run from the front of the cab to the 0.1875" thick engine tunnel, creating the structure to support the forces created when lifting the cab.

The cab will be a full-tilt style. A 3-point cab mount system with rubber isolators will improve ride quality by isolating chassis vibrations from the cab.

The crew cab will be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.

The forward cab section will have an overall height (from the cab roof to the ground) of approximately 102.00". The crew cab section will have a 10.00" raised roof, with an overall cab height of approximately 112.00". The raised portion will start at the most forward point of the B-pillar and continue rearward to the back of the cab. The overall height listed will be calculated based on a truck configuration with the lowest suspension weight ratings, the smallest diameter tires for the suspension,

no water weight, no loose equipment weight, and no personnel weight. Larger tires, wheels, and suspension will increase the overall height listed.

The cab will have an interior width of not less than 93.50". The driver and passenger seating positions will have a minimum 24.00" clear width at knee level.

To reduce injuries to occupants in the seated positions, proper head clearance will be provided. The floor-to-ceiling height inside the forward cab will be no less than 60.25". The floor-to-ceiling height inside the crew cab will be no less than 62.95" in the center position and 68.75" in the outboard positions.

The crew cab will measure a minimum of 57.50" from the rear wall to the backside of the engine tunnel (knee level) for optimal occupant legroom.

INTERIOR CAB INSULATION

The cab walls, ceiling and engine tunnel will be insulated in all strategic locations to maximize acoustic absorption and thermal insulation. The cab will be insulated with 2.00" insulation in the rear wall, 3.00" insulation in the side walls, and 1.50" insulation in the ceiling.

FENDER LINERS

Full-circular, aluminum, inner fender liners in the wheel wells will be provided.

PANORAMIC WINDSHIELD

A one (1)-piece, safety glass windshield with more than 2,802 square inches of clear viewing area will be provided. The windshield will be full width and will provide the occupants with a panoramic view. The windshield will consist of three (3) layers: the outer light, the middle safety laminate, and the inner light. The 0.114" thick outer light layer will provide superior chip resistance. The middle safety laminate layer will prevent the windshield glass pieces from detaching in the event of breakage. The inner light will provide yet another chip resistant layer. The cab windshield will be bonded to the aluminum windshield frame using a urethane adhesive. A custom frit pattern will be applied on the outside perimeter of the windshield for a finished automotive appearance.

WINDSHIELD WIPERS

Three (3) electric windshield wipers with a washer, in conformance with FMVSS and SAE requirements, will be provided. The wiper blades will be 21.65" long and together will clear a minimum of 1,783 square inches of the windshield for maximum visibility in inclement weather.

The windshield washer fluid reservoir will be located at the front of the vehicle and be accessible through the access hood for simple maintenance.

FAST SERVICE ACCESS FRONT TILT HOOD

A full-width access hood will be provided for convenient access to engine coolant, steering fluid, wiper fluid, cab lift controls, headlight power modules, and ember separator. The hood will also provide complete access to the windshield wiper motor and components. The hood will be contoured to provide a sleek, automotive appearance. The hood will be constructed of two (2) fiberglass panels bonded together and will include reinforcing ribs for structural integrity. The hood will include air cylinders to hold the hood in open and closed positions, and a heavy duty latch system that will meet

FMVSS 113 (Hood Latch System). The spring-loaded hood latch will be located at the center of the hood with a double-action release lever located behind the Pierce logo. The two (2)-step release requires the lever first be pulled to the driver side until the hood releases from the first latch (primary latch) then to the passenger side to fully release the hood (secondary latch).

ENGINE TUNNEL

To provide structural strength, the engine tunnel sidewalls will be constructed of .50" aluminum plate that is welded to both the .25" firewall and .38" heavy wall extrusion under the crew cab floor. To maximize occupant space, the top edges will be tapered.

The engine tunnel will be insulated for protection from heat and sound. Perforated foil faced insulation will be over a 1.00" thick closed cell foam affixed with pressure sensitive adhesive and further secured with mechanical fasteners. Thermal rating for this insulation will be -40 degrees Fahrenheit to 300 degrees Fahrenheit. The noise insulation keeps the dBA level within the limits stated in the current NFPA 1901 standards.

CAB REAR WALL EXTERIOR COVERING

The exterior surface of the rear wall of the cab will be overlaid with bright aluminum treadplate except for areas that are not typically visible when the cab is lowered.

CAB LIFT

A hydraulic cab lift system will be provided, consisting of an electric-powered hydraulic pump, fluid reservoir, dual lift cylinders, remote cab lift controls and all necessary hoses and valves. The hydraulic pump will have a backup manual override, for use in the event of an electrical failure.

The cab lift controls will be located at the driver side front of the cab, easily accessible under the full width front access hood. The controls will include a permanently mounted raise/lower switch. For enhanced visibility during cab tilt operations, a remote control tether with on/off switch will be supplied on a coiled cord that will extend from 2.00' (coiled) to 6.00' (extended).

The cab will be capable of tilting 42 degrees and 80 degrees with crane assist to accommodate engine maintenance and removal. The cab pivots will be located 46.00" apart to provide stability while tilting the cab.

The rear of the cab will be locked down by a two (2)-point, automatic, hydraulic, double hook mechanism that fully engages after the cab has been lowered (self-locking). The dual 2.25" diameter hydraulic cylinders will be equipped with a velocity fuse that protects the cab from accidentally descending when the cab is in the tilt position.

For increased safety, a redundant mechanical stay arm will be provided that must be manually put in place on the driver side between the chassis and cab frame when cab is in the raised position. This device will be manually stowed to its original position before the cab can be lowered.

Cab Lift Interlock

The cab lift safety system will be interlocked to the parking brake. The cab tilt mechanism will be active only when the parking brake is set and the ignition switch is in the on position. If the parking brake is released, the cab tilt mechanism will be disabled.

GRILLE

An aluminum mesh grille screen, inserted behind a formed grille surround, will be provided on the front center of the cab, and will serve as an air intake to the radiator. The mesh screen will be painted black #101. The grille surround will be painted black #101.

DOOR JAMB SCUFFPLATES

All cab door jambs will be furnished with a polished stainless steel scuffplate, mounted on the striker side of the jamb.

SCUFFPLATES, REAR CAB CORNER GUARDS

Both rear cab corners will be furnished with a full height, brushed stainless steel corner guard scuffplate. The guard will extend 1.00" from the corner to protect paint from damage when pulling items (such as booster hose) around the cab.

FRONT CAB TRIM

There will be stainless steel rectangular garnish plates installed behind the two (2) headlight bezels for an enhanced appearance. The plates will be painted black 101.

There will be painted black stainless steel corner covers provided over the painted cab corner where the cab turn signals are located.

MIRRORS

Ramco, Model 6001FFHR-750HR, polished aluminum 9.25" wide x 13.50" high mirrors, with full flat glass section, will be mounted on each side of the front cab corner. A convex section will be bolted to the top of each mirror. The mirror head will have a #101 black finish.

The flat glass in each mirror will be heated and adjustable with remote controls that are convenient to the driver.

The convex section in each mirror will be heated and adjustable with remote controls.

There will be a pair of 3.00" risers, one for each mirror, mounted between the mirror body and mirror arm.

FRONT CROSS VIEW MIRROR

There will be one (1) 8.00" diameter eyeball mirror provided on the passenger side front corner of the cab. It will be mounted high, above the windshield. The mirror will provide the driver with a view of the front bumper and the front of the truck.

The mirror housing, tubing, clamps and hardware will be constructed of corrosion resistant stainless steel.

Mirror head will be K-10, EB50S-S, 8.00" stainless steel housing with three (3) arms.

The remote switches for the mirrors will be installed lower panel near driver, panel #8

CAB DOORS

To enhance entry and egress to the cab, the forward cab doors will be a minimum of 43.59" wide x 76.46" high. The crew cab doors will be located on the sides of the cab and will be constructed in the same manner as the forward cab doors. The crew cab doors will measure a minimum of 37.87" wide x 85.50" high.

The forward cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of 0.125". The exterior door skins will be constructed from 0.090" aluminum.

The forward cab door windows will include a 7.50" high x 10.00" wide drop area at the front to enhance visibility.

A customized, vertical, pull-down type door handle will be provided on the exterior of each cab door. The finish of the door handle will be chrome/black. The exterior handle will be designed specifically for the fire service to prevent accidental activation, and will provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

Each door will also be provided with an interior flush, open style paddle handle that will be readily operable from fore and aft positions, and be designed to prevent accidental activation. The interior handles will provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The keys will be Model 751. The locks will be capable of activating when the doors are open or closed. The doors will remain locked if locks are activated when the doors are opened, then closed.

A heavy duty, stainless steel, piano-type hinge with a 0.38" pin and 11 gauge leaf will be provided on all cab doors. There will be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

A chrome grab handle will be provided on the inside of each cab and crew cab door.

A red webbed grab handle will be installed on the crew cab door stop strap. The grab handles will be securely mounted.

The cab steps at each cab door location will be located inside the cab doors to protect the steps from weather elements.

Door Panels

The inner cab door panels will be constructed out of polished stainless steel. The cab door panels will be removable.

RECESSED POCKET WITH ELASTIC COVER

To provide organized storage (clutter control) in the cab for miscellaneous equipment, the cab interior will be provided with recessed storage pockets. The pockets will be 5.63" wide x 2.00" high x 4.00" deep. The pockets will be provided with a perforated elastic material cover to secure the equipment in the pocket. The pockets will be installed in all available mounting locations of the overhead console.

ELECTRIC WINDOW CONTROLS

Each cab entry door will be equipped with an electrically operated tempered glass window. A window control panel will be located on the door panel within easy reach of the respective occupant. Each switch will allow intermittent or auto down operation for ease of use. Auto down operation will be actuated by holding the window down switch for approximately 1 second. The driver control panel will contain a control switch for each cab door's window. All other door control panels will contain a single switch to operate the window within that door.

The window switches will be connected directly to the battery power. This allows the windows to be raised and lowered when the battery switch is in the off position.

ELECTRIC CAB DOOR LOCKS

The front driver and passenger doors will have a door lock master switch (custom designed rotary lock knob) built into the interior door latch that will control all front and rear side exit door locks. Each rear cab door will have its own lock control. Each door will have a keyed exterior lock mechanism built into the door handle assembly.

There will be one (1) concealed switch on the exterior of the cab, located under the front full width service access panel, that operates the cab door locks.

The lock system will include two (2) key FOBs that allow for keyless entry into the vehicle. The key FOB system will use code hopping technology for high security and be FCC part 15 compliant.

KEY PAD CODE

The code for the key pad will be set to TBD.

KEY PAD FOR ELECTRIC DOOR LOCKS

For improved convenience, the cab door locks will include a Trimark keypad entry system to provide complete keyless entry to the cab. There will be two (2) keypads provided, located one each side of the cab behind the front cab doors. The keypads will include visual and audio feedback to confirm activation and acknowledge correct entry code. For enhanced night time use, the keypads will be lighted. For increased security, the system will allow over 3000 possible code combinations.

CAB STEPS

The forward cab and crew cab access steps will be a full size two (2) step design to provide largest possible stepping surfaces for safe ingress and egress. The bottom steps will be designed with a grip pattern punched into bright aluminum treadplate material to provide support, slip resistance, and drainage. The bottom steps will be a bolt-in design to minimize repair costs should they need to be replaced. The steps will protrude outward an additional 1.00" from standard. The forward cab steps will be a minimum 31.00" wide, and the crew cab steps will be 24.25" wide with an 9.00" minimum depth. The inside cab steps will not exceed 18.00" in height and be limited to two (2) steps.

CAB EXTERIOR HANDRAILS

A Hansen knurled aluminum, black anodized handrail will be provided adjacent to each cab and crew cab door opening to assist during cab ingress and egress. The handrails will be e-coated and have black powder coated stanchions. Each handrail will be provided with red LED lights. The lights will be

activated with a separate switch in the cab and when the parking brake is applied. The LED lights may be load managed.

STIRRUP STEPS

A stirrup step will be provided below each cab and crew cab door. The steps will be designed with a grip pattern punched into bright aluminum treadplate material providing support, slip resistance, and drainage. The steps will be a bolt-on design and provide a 18.50" wide x 7.00" deep stepping surface. The front of step will extend 2.00" past the cab. Each step will provide a step height of 8.25" from the top of the stirrup step to the first step of the cab.

The stirrup step will be lit by an Amdor, Model AY-9500-012, 12 volt DC LED light provided on the step.

The step light will be activated automatically when the battery switch is on and the exit doors are opened or by the same means as the body step lights.

STEP LIGHTS

There will be four (4) white P25 LED step lights provided. The lights will be installed at each cab and crew cab door, one (1) per step. The lights will be located in the driver side front doorstep, driver side crew cab doorstep, passenger side front doorstep and passenger side crew cab doorstep.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15.00" x 15.00" square placed 10.00" below the light and a minimum of 1.5 fc covering an entire 30.00" x 30.00" square at the same 10.00" distance below the light.

The light(s) will have a chrome housing.

The lights will be activated when the adjacent door is opened.

FENDER CROWNS

Painted stainless steel fender crowns will be installed at the cab wheel openings. The crowns will be painted 101 black

INTERIOR CREW CAB DOOR HANDRAIL

A handrail will be provided on each interior crew cab door pan. The handrails will be mounted at a 45 degree angle. These are in addition to the standard crew cab door handle.

GRAB HANDLE(S)

There will be two (2) black offset rubber covered grab handle(s) mounted one each to the hinge side of the crew cab doors to assist in entering the cab and/or crew cab. The grab handle(s) will be securely mounted.

RIGHT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the right side crew cab door will be tinted privacy dark gray.

LEFT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the left side crew cab door will be tinted privacy dark gray.

WINDOW COATINGS

All cab and crew cab windows will have solar window film applied. The solar film will block UV rays and excess heat while not impacting the visibility or clarity of the window.

STORAGE COMPARTMENT

Provided under the forward facing crew cab seats will be a transverse compartment.

The compartment will be open top to bottom, with the cab floor removed. The upper section will be 10.71" wide x 13.12" high x 24.25" deep (left side) and 22.00" deep (right side). The top 7.38" of the upper section will be full width (transverse) of the crew cab. The lower section on both sides will be 10.71" wide x 16.50" high x 20.00" deep.

There will be two (2) double pan doors painted to match the cab exterior with a non-locking D-Ring latch, one (1) on each side of the cab with a web strap located towards the top for each exterior door provided as a door stop.

The exterior access will be provided with a polished stainless steel scuffplate on the lower door frame.

There will be no access with no louvers on the forward face of the seat riser.

The compartment interior will be D/A finished.

Compartment Light

two (2) white LED strip lights, one (1) each hinged side of exterior compartment door openings. The lighting will be controlled by an automatic door switch.

WEATHER STRIP

Weather stripping will be provided along the hinge and door edges to protect against road dirt and water getting into the cabinet(s).

Weather stripping will be provided for the two (2) exterior access cabinet(s) located lower exterior compartment on the crew cab.

WEBSITE TAG

A tag will be located on the cab door containing all necessary information to access the Pierce Parts website. The tag will be 2.00" high x 6.00" wide.

HOOD MODIFICATION

The full-width access hood will have an additional spring installed for supporting the hood when open.

INSULATION PACKAGE

All insulation utilized in the cab construction shall be provided for extreme climate temperatures. The insulation shall be provided in the following areas:

- Engine tunnel
- Cab and crew cab floors
- Cab and crew cab doors
- Cab roof

- Engine tunnel material covering (if applicable)

INSULATION WITH EXPANDED METAL

All insulation in the cab engine tunnel and under the cab and crew cab floor will use expanded metal to hold the insulation in place.

COVER

There will be one (1) painted aluminum cover(s) located OVER ENGINE DIAGNOSTICS.

CAB ROOF DRIP RAIL

For enhanced protection from inclement weather, a drip rail will be furnished on the sides of the cab. The drip rail will be constructed of bright polished extruded aluminum, and be bonded to the sides of the cab. The drip rail will extend the full length of the cab roof. The drip rails will also be located under the light brackets welded on the cab roof.

SCREW INSERTS ON CAB DOORS

All removable panels for the cab and crew cab doors will be mounted with inserts. Self tapping screws will not be used.

MOUNTING PLATE ON ENGINE TUNNEL

Equipment installation provisions will be installed on the engine tunnel.

A 0.25" smooth aluminum plate will be bolted to the top surface of the engine tunnel. The plate will be located to the left of the officer and on the rear of the tunnel. It will follow the contour of the engine tunnel and will run the entire length of the engine tunnel. The plate will be spaced off the engine tunnel 1.00" to allow for wire routing below the plate.

The mounting surface will be painted to match the cab interior.

CAB INTERIOR

With safety as the primary objective, the wrap-around style cab instrument panel will be designed with unobstructed visibility to instrumentation. The dash layout will provide the driver with a quick reference to gauges that allows more time to focus on the road.

The center console will be a high impact ABS polymer and will be easily removable.

The passenger side dashboard will be constructed of painted aluminum for durability and low maintenance. For enhanced versatility, the passenger side dash will include a flat working surface.

To provide optional (service friendly) control panels, switches and storage modules, a painted aluminum overhead console will also be provided.

To complete the cab front interior design, painted aluminum modesty panels will be provided under the dash on both sides of the cab. The driver side modesty panel will provide mounting for the battery switch and diagnostic connectors, while the passenger side modesty panel provides a glove box, and ground access to the main electrical distribution panel via quick quarter turn fasteners.

To provide a deluxe automotive interior, the engine tunnel, side walls and rear wall will be covered by a leather grain vinyl that is resistant to oil, grease, and mildew.

The headliner will be installed in both forward and rear cab sections. The headliner panel will be a composition of an aluminum panel covered with a sound barrier and upholstery.

The cab structure will include designated raceways for electrical harness routing from the front of the cab to the rear upper portion of the cab. Raceways will be extruded in the forward door frame, floor, walls and overhead in the area where the walls meet the ceiling. The raceways located in the floor will be covered by aluminum extrusion, while the vertical and overhead raceways will be covered by painted aluminum covers. The raceways will improve harness integrity by providing a continuous harness path that eliminates wire chafing and abrasion associated with exposed wiring or routing through drilled metal holes. Harnesses will be laid in place.

CAB INTERIOR UPHOLSTERY

The cab interior upholstery will be 36 oz dark silver gray vinyl. All cab interior materials will meet FMVSS 302 (flammability of interior materials).

CAB INTERIOR PAINT

The following metal surfaces will be painted black, vinyl textured paint:

- Modesty panel in front of driver
- Vertical surface of dash in front of the officer (not applicable for recessed dash)
- Glove box in front of the officer (if applicable)
- Power distribution in front of the officer
- Rear heater vent panels

The remaining cab interior metal surfaces will be painted fire smoke gray, vinyl texture paint.

CAB FLOOR

The cab and crew cab floor areas will be covered with Polydamp™ acoustical floor mat consisting of a black pyramid rubber facing and closed cell foam decoupler.

The top surface of the material has a series of raised pyramid shapes evenly spaced, which offer a superior grip surface. Additionally, the material has a .25" thick closed cell foam (no water absorption) which offers a sound dampening material for reducing sound levels.

The edges and seams of the flooring will be sealed.

DEFROST/AIR CONDITIONING SYSTEM

A ceiling mounted combination heater, defroster and air conditioning system will be installed in the cab above the engine tunnel area.

Cab Defroster

A 54,000 BTU heater-defroster unit with 690 SCFM of air flow will be provided inside the cab. The heater-defrost will be installed in the forward portion of the cab ceiling. Air outlets will be strategically located in the cab header extrusion per the following:

- One (1) adjustable will be directed towards the left side cab window
- One (1) adjustable will be directed towards the right side cab window
- Six (6) fixed outlets will be directed at the windshield

The defroster will be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at 0 degrees Fahrenheit for 10 hours, and a 2 ounce per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system will meet or exceed SAE J382 requirements.

Cab/Crew Auxiliary Heater

There will be one (1) 31,000 BTU auxiliary heater with 560 SCFM of air flow provided in each outboard rear facing seat risers with a dual scroll blower. An aluminum plenum incorporated into the cab structure used to transfer heat to the forward positions.

Air Conditioning

A 19.10 cubic inch compressor will be installed on the engine.

A roof-mounted condenser with a 78,000 BTU output at 2,400 SCFM that meets and exceeds the performance specification will be installed on the cab roof. The condenser cover to be painted to match the cab roof.

The air conditioning system will be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 75 degrees Fahrenheit at 50 percent relative humidity within 30 minutes. The cooling performance test will be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of 4 hours.

The evaporator unit will be installed in the rear portion of the cab ceiling over the engine tunnel. The evaporator will include one (1) high performance heating core, one (1) high performance cooling core with (1) plenum directed to the front and one (1) plenum directed to the rear of the cab.

The evaporator unit will have a 52,000 BTU at 690 SCFM rating that meets and exceeds the performance specifications.

Adjustable air outlets will be strategically located on the forward plenum cover per the following:

- Four (4) will be directed towards the seating position on the left side of the cab
- Four (4) will be directed towards the seating position on the right side of the cab

Adjustable air outlets will be strategically located on the evaporator cover per the following:

- Five (5) will be directed towards crew cab area

A high efficiency particulate air (HEPA) filter will be included for the system. Access to the filter cover will be hinged with two (2) thumb latches.

The air conditioner refrigerant will be R-134A and will be installed by a certified technician.

Climate Control

An automotive style controller will be provided to control the heat and air conditioning system within the cab. The controller will have three (3) functional knobs for fan speed, temperature, and air flow distribution (front to rear) control.



The system will control the temperature of the cab and crew cab automatically by pushing the center of the fan speed control knob. Rotate the center temperature control knob to set the cab and crew cab temperature.

The AC system will be manually activated by pushing the center of the temperature control knob. Pushing the center of the air flow distribution knob will engage the AC for max defrost, setting the fan speeds to 100 percent and directing all air flow to the overhead forward position.

Gravity Drain Tubes

Two (2) condensate drain tubes will be provided for the air conditioning evaporator. The drip pan will have two (2) drain tubes plumbed separately to allow for the condensate to exit the drip pan. No pumps will be provided.

The drain tubes will terminate under the cab, on the inboard side of the front wheelwells.

DRAIN LINE ROUTING

The drain lines for the Coleman air conditioning condensation will be routed down the side wall next to the rear facing outboard seat and towards the engine tunnel so that it drains near the center of the cab.

COVER, AIR CONDITIONING LINES AND CONNECTIONS

A formed cover will be provided over the air conditioning lines and connections below the condenser. The cover will be constructed of smooth aluminum. The cover will be painted the same color as the air conditioning cover.

TRACER DYE

There will be tracer dye installed in the air conditioning system for leak detection.

BRUSH GUARD

A protective enclosure will be provided around the roof mounted air conditioning unit. The enclosure will provide protection from tree limbs and debris.

The enclosure will be made of aluminum and painted to match the cab exterior.

HEATING AND AIR CONDITIONING

There will be one (1) black, Coleman®-Mach® 8, Roughneck™, 120 volt, low profile air conditioning unit installed on the crew cab roof. The air conditioner will have cooling capacity of 15,000 BTU and heating capacity of 6000 BTU and include a condensate pump and hose to prevent accumulation of condensate on the roof.

Ceiling unit controls will control the air conditioning unit.

The thermostat will be wired battery direct to operate when the battery switch is off.

This unit will be powered from the shoreline inlet.

INTERIOR CAB INSULATION

The walls and roof will be insulated to aid in cooling.

SUN VISORS

Two (2) smoked Lexan™ sun visors will be provided. The sun visors will be located above the windshield with one (1) mounted on each side of the cab.

There will be a black plastic thumb latch provided to help secure each sun visor in the stowed position.

GRAB HANDLE

A black rubber covered grab handle will be mounted on the door post of the driver side and passenger side cab door to assist in entering the cab. The grab handle will be securely mounted to the post area between the door and windshield.

ENGINE COMPARTMENT LIGHTS

There will be one (1) Whelen®, Model 3SC0CDCR, 12 volt DC, 3.00" white LED light(s) with Model 3FLANGEC, chrome flange kit(s) installed under the cab to be used as engine compartment illumination.

These light(s) will be activated automatically when the cab is raised or when the dip stick door is opened.

ACCESS TO ENGINE DIPSTICKS

For access to the engine oil and transmission fluid dipsticks, there will be a door on the engine tunnel, inside the crew cab. The door will be on the rear wall of the engine tunnel, on the vertical surface. The door will be 20.00" wide x 8.25" high and be flush with the wall of the engine tunnel.

The engine oil dipstick will allow for checking only. The transmission dipstick will allow for both checking and filling. An additional port will be provided for filling the engine oil.

The door will have a rubber seal for thermal and acoustic insulation. One (1) Southco C2 chrome flush latch will be provided on the access door.

CAB SAFETY SYSTEM

The cab will be provided with a safety system designed to protect occupants in the event of a side roll or frontal impact, and will include the following:

- A supplemental restraint system (SRS) sensor will be installed on a structural cab member behind the instrument panel. The SRS sensor will perform real time diagnostics of all critical subsystems and will record sensory inputs immediately before and during a side roll or frontal impact event.
- A slave SRS sensor will be installed in the cab to provide capacity for eight (8) crew cab seating positions.
- A fault-indicating light will be provided on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side front air bag will be mounted in the steering wheel and will be designed to protect the head and upper torso of the occupant, when used in combination with the 3-point seat belt.
- A passenger side knee bolster air bag will be mounted in the modesty panel below the dash panel and will be designed to protect the legs of the occupant, when used in combination with the 3-point seat belt.
- Air curtains will be provided in the outboard bolster of outboard seat backs to provide a cushion between occupant and the cab wall.
- Suspension seats will be provided with devices to retract them to the lowest travel position during a side roll or frontal impact event.
- Seat belts will be provided with pre-tensioners to remove slack from the seat belt during a side roll or frontal impact event.

Frontal Impact Protection

The SRS system will provide protection during a frontal or oblique impact event. The system will activate when the vehicle decelerates at a predetermined G force known to cause injury to the occupants. The cab and chassis will have been subjected, via third party test facility, to a crash impact during frontal and oblique impact testing. Testing included all major chassis and cab components such as mounting straps for fuel and air tanks, suspension mounts, front suspension components, rear suspensions components, frame rail cross members, engine and transmission and their mounts, pump house and mounts, frame extensions and body mounts. The testing provided configuration specific information used to optimize the timing for firing the safety restraint system. The sensor will activate the pyrotechnic devices when the correct crash algorithm, wave form, is detected.

The SRS system will deploy the following components in the event of a frontal or oblique impact event:

- Driver side front air bag
- Passenger side knee bolster air bag
- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

Side Roll Protection

The SRS system will provide protection during a fast or slow 90 degree roll to the side, in which the vehicle comes to rest on its side. The system will analyze the vehicle's angle and rate of roll to determine the optimal activation of the advanced occupant restraints.

The SRS system will deploy the following components in the event of a side roll:

- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

SEATING CAPACITY

The seating capacity in the cab will be five (5).

DRIVER SEAT

A Pierce PS6® seat will be provided in the cab for the driver. The seat design will be a cam action type with air suspension. For increased convenience, the seat will include electric controls to adjust the rake (15 degrees), height (1.75" travel) and horizontal (7.00" travel) position. Electric controls will be located below the forward part of the seat cushion. To provide flexibility for multiple driver configurations, the seat will have a reclining back, adjustable from 20 degrees back to 45 degrees forward. Providing for maximum comfort, the seat back will be a high back style with manual lumbar adjustment lever, for lower back support, and will include minimum 7.50" deep side bolster pads for maximum support. The lumbar adjustment lever will be easily located at the lower outboard position of the seat cushion. For optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control).

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A suspension seat safety system will be included. When activated in the event of a side roll, this system will pretension the seat belt and retract the seat to its lowest travel position.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

OFFICER SEAT

A Pierce PS6® seat will be provided in the cab for the passenger. The seat will be a cam action type with air suspension. For increased convenience, the seat will include a manual control to adjust the horizontal position (6.00" travel). The manual horizontal control will be a towel-bar style located below the forward part of the seat cushion. For optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not belted.

The seat back will be an SCBA back style with 7.5 degree fixed recline angle, and will include minimum 4.50" wide x 7.50" deep side bolster pads for maximum support. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.

- A suspension seat safety system will be included. When activated, this system will pretension the seat belt and then retract the seat to its lowest travel position.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

REAR FACING LEFT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the left side outboard position with interior and exterior access. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 24.00" wide x 40.50" high x 24.00" deep. The interior door will be web netting. The netting is to be made with 1.00" wide nylon material with 2.00" openings. The nylon webbing will be permanently fastened at the top side of the compartment and have spring clip and hook fasteners on the opposite side to secure it. The interior clear door opening will be 19.25" wide x 37.50" high.

The cabinet will include two (2) infinitely adjustable shelves with a 0.75" up-turned lip with a brushed finish.

The cabinet will include no louvers.

The cabinet will also provide exterior access with one (1) double pan door painted to match the cab exterior with a non-locking D-ring latch. A web strap will be provided as a door stop. The clear door opening will 19.75" wide x 37.75" high.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the interior cabinet door opening and one (1) white LED strip light installed on the left side of the interior cabinet door opening. The lights will be controlled by an automatic door switch and a rocker switch on the cabinet exterior.

REAR FACING RIGHT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the right side outboard position. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 21.50" wide x 40.50" high x 21.00" deep. The interior door will be web netting. The netting is to be made with 1.00" wide nylon material with 2.00" openings. The nylon webbing will be permanently fastened at the top side of the cabinet and have spring clip and hook fasteners on the opposite side to secure it. The clear door opening will be 16.75" wide x 37.50" high.

The cabinet will include two (2) infinitely adjustable shelves with a 0.75" up-turned lip with a brushed finish.

The cabinet will include no louvers.

The cabinet will also provide access from outside the cab with one (1) double pan door painted to match the cab exterior with a non-locking D-ring latch. A pneumatic stay arm will be provided as a door stop. The exterior clear door opening will be 16.00" wide x 38.00" high. The door will be located on the side of the cab over the wheelwell.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum, and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the exterior cabinet door opening, one (1) white LED strip light installed on the right side of the interior cabinet door opening and one (1) white LED strip light installed on the left side of the interior cabinet door opening. The lights will be controlled by an automatic door switch and rocker switch on the exterior of the cabinet.

FORWARD FACING DRIVER SIDE OUTBOARD SEAT

There will be one (1) forward facing Pierce PS6® foldup seat provided at the driver side outboard position in the crew cab. To provide improved ride comfort, and maximize accessibility to the crew cab, the seat will be provided with 15.00" deep foam cushions, and the seat back will be provided with 90 degree fixed recline angle. To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle, that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The seat will be moved approximately 3.00" inboard from the standard location.

FORWARD FACING CENTER SEAT

There will be one (1) forward facing, Pierce PS6® seat provided at the center position in the crew cab. For optimal comfort, the seat will be provided with 17.00" deep dual density foam cushions designed with EVC (elastomeric vibration control). To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style with 7.5 degree fixed recline angle, and will include minimum 4.50" wide x 7.50" deep side bolster pads for maximum support. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following feature incorporated into the side roll protection system:

- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

FORWARD FACING PASSENGER SIDE OUTBOARD SEAT

There will be one (1) forward facing Pierce PS6® foldup seat provided at the passenger side outboard position in the crew cab. To provide improved ride comfort, and maximize accessibility to the crew cab, the seat will be provided with 17.00" deep foam cushions, and the seat back will be provided with 0 degree fixed recline angle. To ensure safe operation, the seat will be equipped with seat belt sensors in the seat cushion and belt receptacle, that will activate an alarm indicating a seat is occupied but not buckled.

The seat back will be an SCBA back style. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt. The seat belt will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The seat will be moved approximately 3.00" inboard from the standard location.

SEAT UPHOLSTERY

All seat upholstery will be black Turnout Tuff material.

AIR BOTTLE HOLDERS

All SCBA type seats in the cab will have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket will include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in the event of an accident, the inertial components within the clamp will constrain the SCBA bottle in the seat and will exceed the NFPA standard of 9G.

There will be a quantity of four (4) SCBA brackets.

SEAT EMBROIDERY

The seats in the cab and crew cab will be provided with custom embroidery. The Fire Department will determine what the embroidery will be by providing pictures at the time of order.

The custom logo will be provided in place of the standard OEM logo.

The embroidery will be provided on five (5) seats.

SEAT BELTS

All seating positions in the cab, crew cab and tiller cab (if applicable) will have red seat belts.

To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length will meet or exceed the current edition of NFPA 1901 and CAN/ULC - S515 standards.

The 3-point shoulder type seat belts will also include the ReadyReach D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.

Any flip up seats will include a 3-point shoulder type belts only.

SHOULDER HARNESS HEIGHT ADJUSTMENT

All seating positions furnished with 3-point shoulder type seat belts will include a height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter.

A total of five (5) seating positions will have the adjustable shoulder harness.

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 14.1.7.4.1 requires a location for helmet storage be provided.

There is no helmet storage on the apparatus as manufactured. The fire department will provide a location for storage of helmets.

CAB DOME LIGHTS

There will be four (4) dual LED dome lights with black bezels provided. Two (2) lights will be mounted above the inside shoulder of the driver and officer and two (2) lights will be installed and located, one (1) on each side of the crew cab.

The color of the LED's will be red and white.

The white LED's will be controlled by the door switches and the lens switch.

The color LED's will be controlled by the lens switch.

In order to ensure exceptional illumination, each white LED dome light will provide a minimum of 10.1 foot-candles (fc) covering an entire 20.00" x 20.00" square seating position when mounted 40.00" above the seat.

ADDITIONAL DOME LIGHTING

There will be one (1) Whelen, Model 60C*EGCS, 6.00" round dual LED dome lights installed in the cab and/or crew cab located over the officer's seat.

The color of the LED's will be red and white.

The white LED's will be controlled by the lens switch and the same switching as the crew cab dome lights.

The color LED's will be controlled by the lens switch and the same switching as the crew cab dome lights.

The light(s) may be load managed when the parking brake is applied.

ENHANCED SOFTWARE FOR CAB AND CREW CAB DOME LIGHTS

The cab and crew cab dome lights will remain on for 10 seconds for improved visibility after the doors are closed.

The dome lights will dim after 10 seconds or immediately if the vehicle's transmission is put into gear.

PORTABLE HAND LIGHTS, PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 5.9.4 requires two portable hand lights mounted in brackets fastened to the apparatus.

The hand lights are not on the apparatus as manufactured. The fire department will provide and mount these hand lights.

CAB INSTRUMENTATION

The cab instrument panel will consist of gauges, an LCD display, telltale indicator lights, alarms, control switches, and a diagnostic panel. The function of instrument panel controls and switches will be identified by a label adjacent to each item. Actuation of the headlight switch will illuminate the labels in low light conditions. Telltale indicator lamps will not be illuminated unless necessary. The cab instruments and controls will be conveniently located within the forward cab section directly forward of the driver. Gauge and switch panels will be designed to be removable for ease of service and low cost of ownership.

Gauges

The gauge panel will include the following ten (10) ivory gauges with chrome bezels to monitor vehicle performance:

- Voltmeter gauge (Volts)
 - Low volts (11.8 VDC)
 - Amber indicator on gauge assembly with alarm
 - High volts (15 VDC)
 - Amber indicator on gauge assembly with alarm
 - Very low volts (11.3 VDC)
 - Amber indicator on gauge assembly with alarm
 - Very high volts (16 VDC)

- Amber indicator on gauge assembly with alarm
- Tachometer (RPM)
- Speedometer (Primary (outside) MPH, Secondary (inside) Km/H)
- Fuel level gauge (Empty - Full in fractions)
 - Low fuel (1/8 full)
 - Amber indicator on gauge assembly with alarm
 - Very low fuel (1/32) fuel
 - Amber indicator on gauge assembly with alarm
- Engine oil pressure gauge (PSI)
 - Low oil pressure to activate engine warning lights and alarms
 - Red indicator on gauge assembly with alarm
- Front air pressure gauge (PSI)
 - Low air pressure to activate warning lights and alarm
 - Red indicator on gauge assembly with alarm
- Rear air pressure gauge (PSI)
 - Low air pressure to activate warning lights and alarm
 - Red indicator on gauge assembly with alarm
- Transmission oil temperature gauge (Fahrenheit)
 - High transmission oil temperature activates warning lights and alarm
 - Amber indicator on gauge assembly with alarm
- Engine coolant temperature gauge (Fahrenheit)
 - High engine temperature activates an engine warning light and alarm
 - Red indicator on gauge assembly with alarm
- Diesel Exhaust Fluid Level Gauge (Empty - Full in fractions)
 - Low fluid (1/8 full)
 - Amber indicator on gauge assembly with alarm

All gauges and gauge indicators will perform prove out at initial power-up to ensure proper performance.

Indicator Lamps

To promote safety, the following telltale indicator lamps will be integral to the gauge assembly and are located above and below the center gauges. The indicator lamps will be "dead-front" design that is only visible when active. The colored indicator lights will have descriptive text or symbols.

The following amber telltale lamps will be present:

- Low coolant
- Trac cntl (traction control) (where applicable)
- Check engine
- Check trans (check transmission)
- Aux brake overheat (Auxiliary brake overheat)
- Air rest (air restriction)
- Caution (triangle symbol)
- Water in fuel

- DPF (engine diesel particulate filter regeneration)
- Trailer ABS (where applicable)
- Wait to start (where applicable)
- HET (engine high exhaust temperature) (where applicable)
- ABS (antilock brake system)
- MIL (engine emissions system malfunction indicator lamp) (where applicable)
- SRS (supplemental restraint system) fault (where applicable)
- DEF (low diesel exhaust fluid level)

The following red telltale lamps will be present:

- Warning (stop sign symbol)
- Seat belt
- Parking brake
- Stop engine
- Rack down

The following green telltale lamps will be provided:

- Left turn
- Right turn
- Battery on

The following blue telltale lamp will be provided:

- High beam

Alarms

Audible steady tone warning alarm: A steady audible tone alarm will be provided whenever a warning message is present.

Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) will be provided whenever a caution message is present without a warning message being present.

Alarm silence: Any active audible alarm will be able to be silenced by holding the ignition switch at the top position for 3 to 5 seconds. For improved safety, silenced audible alarms will intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp will act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition will enable the steady or pulsing tones respectively.

Indicator Lamp and Alarm Prove-Out

Telltale indicators and alarms will perform prove-out at initial power-up to ensure proper performance.

Control Switches

For ease of use, the following controls will be provided immediately adjacent to the cab instrument panel within easy reach of the driver.

Emergency master switch: A molded plastic push button switch with integral indicator lamp will be provided. Pressing the switch will activate emergency response lights and siren control. A green lamp on the switch provides indication that the emergency master mode is active. Pressing the switch again disables the emergency master mode.

Headlight / Parking light switch: A three (3)-position maintained rocker switch will be provided. The first switch position will deactivate all parking lights and the headlights. The second switch position will activate the parking lights. The third switch position will activate the headlights.

Panel backlighting intensity control switch: A three (3)-position momentary rocker switch will be provided. The first switch position decreases the panel backlighting intensity to a minimum level as the switch is held. The second switch position is the default position that does not affect the backlighting intensity. The third switch position increases the panel backlighting intensity to a maximum level as the switch is held.

The following standard controls will be integral to the gauge assembly and are located below the right hand gauges. All switches have backlit labels for low light applications.

High idle engagement switch: A two (2)-position momentary rocker switch with integral indicator lamp will be provided. The first switch position is the default switch position. The second switch position will activate and deactivate the high idle function when pressed and released. The "Ok To Engage High Idle" indicator lamp must be active for the high idle function to engage. A green indicator lamp integral to the high idle engagement switch will indicate when the high idle function is engaged.

"Ok To Engage High Idle" indicator lamp: A green indicator light will be provided next to the high idle activation switch to indicate that the interlocks have been met to allow high idle engagement.

The following standard controls will be provided adjacent to the cab gauge assembly within easy reach of the driver. All switches will have backlit labels for low light applications.

Ignition switch: A three (3)-position maintained/momentary rocker switch will be provided. The first switch position will deactivate vehicle ignition. The second switch position will activate vehicle ignition. The third momentary position will disable the Command Zone audible alarm if held for 3 to 5 seconds. A green indicator lamp will be activated with vehicle ignition.

Engine start switch: A two (2)-position momentary rocker switch will be provided. The first switch position is the default switch position. The second switch position will activate the vehicle's engine. The switch actuator is designed to prevent accidental activation.

4-way hazard switch: A two (2)-position maintained rocker switch will be provided. The first switch position will deactivate the 4-way hazard switch function. The second switch position will activate the 4-way hazard function. The switch actuator will be red and includes the international 4-way hazard symbol.

Heater, defroster, and air conditioning control panel.

Turn signal arm: A self-canceling turn signal with high beam headlight and windshield wiper/washer controls will be provided. The windshield wiper control will have high, low, and intermittent modes.

Parking brake control: An air actuated push/pull park brake control valve will be provided.

Chassis horn control: Activation of the chassis horn control will be provided through the center of the steering wheel.

Custom Switch Panels

The design of cab instrumentation will allow for emergency lighting and other switches to be placed within easy reach of the operator thus improving safety. There will be positions for up to four (4) switch panels in the overhead console on the driver's side, up to four (4) switch panels in the engine tunnel console facing the driver, up to four (4) switch panels in the overhead console on the officer's side and up to two (2) switch panels in the engine tunnel console facing the officer. All switches will have backlit labels for low light applications.

Diagnostic Panel

A diagnostic panel will be accessible while standing on the ground and located inside the driver's side door left of the steering column. The diagnostic panel will allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches will allow ABS systems to provide blink codes should a problem exist.

The diagnostic panel will include the following:

- Engine diagnostic port
- Transmission diagnostic port
- ABS diagnostic port
- SRS diagnostic port (where applicable)
- Command Zone USB diagnostic port
- ABS diagnostic switch (blink codes flashed on ABS telltale indicator)
- Diesel particulate filter regeneration switch (where applicable)
- Diesel particulate filter regeneration inhibit switch (where applicable)

Cab LCD Display

A digital four (4)-row by 20-character dot matrix display will be integral to the gauge panel. The display will be capable of showing simple graphical images as well as text. The display will be split into three (3) sections. Each section will have a dedicated function. The upper left section will display the outside ambient temperature.

The upper right section will display, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section will display INFO, CAUTION, and WARNING messages. Text messages will automatically activate to describe the cause of an audible caution or warning alarm. The LCD will be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm will be provided.

"DO NOT MOVE APPARATUS" INDICATOR

A Whelen Model L32LRF red LED indicator beacon, located in the driving compartment, will be illuminated automatically per the current NFPA requirements. The light will be labeled "Do Not Move Apparatus If Light Is On".

The same circuit that activates the Do Not Move Apparatus indicator will activate a pulsing alarm when the parking brake is released.

DO NOT MOVE TRUCK MESSAGES

Messages will be displayed on the Command Zone™, color display located within sight of the driver whenever the Do Not Move Truck light is active. The messages will designate the item or items not in the stowed for vehicle travel position (parking brake disengaged).

The following messages will be displayed (where applicable):

- Do Not Move Truck
- DS Cab Door Open (Driver Side Cab Door Open)
- PS Cab Door Open (Passenger's Side Cab Door Open)
- DS Crew Cab Door Open (Driver Side Crew Cab Door Open)
- PS Crew Cab Door Open (Passenger's Side Crew Cab Door Open)
- DS Body Door Open (Driver Side Body Door Open)
- PS Body Door Open (Passenger's Side Body Door Open)
- Rear Body Door Open
- DS Ladder Rack Down (Driver Side Ladder Rack Down)
- PS Ladder Rack Down (Passenger Side Ladder Rack Down)
- Deck Gun Not Stowed
- Lt Tower Not Stowed (Light Tower Not Stowed)
- Fold Tank Not Stowed (Fold-A-Tank Not Stowed)
- Aerial Not Stowed (Aerial Device Not Stowed)
- Stabilizer Not Stowed
- Steps Not Stowed
- Handrail Not Stowed

Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause major damage to the apparatus if the apparatus is moved will be displayed as a caution message after the parking brake is disengaged.

SWITCH PANELS

The emergency light switch panel will have a master switch for ease of use plus individual switches for selective control. Each switch panel will contain eight (8) membrane-type switches each rated for one million (1,000,000) cycles. Panels containing less than eight (8) switch assignments will include non-functioning black appliques. Documentation will be provided by the manufacturer indicating the rated cycle life of the switches. The switch panel(s) will be located in the overhead position above the windshield on the driver side overhead to allow for easy access.

Additional switch panel(s) will be located in the overhead position(s) above the windshield or in designated locations on the lower instrument panel layout.

The switches will be membrane-type and also act as an integral indicator light. For quick, visual indication the entire surface of the switch will be illuminated white whenever back lighting is activated and illuminated green whenever the switch is active. An active illuminated switch will flash when interlock requirements are not met or device is actively being load managed. For ease of use, a two (2)-ply, scratch resistant laser engraved Gravoply label indicating the use of each switch will be placed in the center of the switch. The label will allow light to pass through the letters for ease of use in low light conditions.

WIPER CONTROL

For simple operation and easy reach, the windshield wiper control will be an integral part of the directional light lever located on the steering column. The wiper control will include high and low wiper speed settings, a one (1)-speed intermittent wiper control and windshield washer switch. The control will have a "return to park" provision, which allows the wipers to return to the stored position when the wipers are not in use.

SPARE CIRCUIT

There will be four (4) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 6 amps at 12 volts DC.
- Power and ground will terminate in the switch panel officers dash, rear of center console for driver, recessed into the rear engine tunnel on each side of the fluid check access door.
- Termination will be a AlfredDireck QC4.0 PD & QC3.0 with the 60W PD USB-C port and 30W Quick Charge 3.0 USB-A port.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is applied.

SPARE CIRCUIT

There will be one (1) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the isolated battery
- The negative wire will be connected to ground
- Wires will be protected to 20 amps at 12 volts DC
- Power and ground will terminate behind panel 9
- Termination will be with 3/8" studs and plastic covers
- Wires will be sized to 125% of the protection

This circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 15 amps at 12 volts DC.
- Power and ground will terminate Both sides of the cab transverse compartment.
- Termination will be with 3/8" studs and plastic covers.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the isolated battery
- The negative wire will be connected to ground
- Wires will be protected to 15 amps at 12 volts DC
- Power and ground will terminate officer side engine tunnel near panel 9
- Termination will be with 15 amp, power point plug with rubber cover
- Wires will be sized to 125 percent of the protection

The circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be seven (7) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 15 amps at 12 volts DC.
- Power and ground will terminate One in each body compartment next to the 110v outlets, high on the back wall. .

- Termination will be with 3/8" studs and plastic covers.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 15 amps at 12 volts DC.
- Power and ground will terminate Both EMS Compartments, next to the 110v outlets.
- Termination will be with 3/8" studs and plastic covers.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is set.

DASH PANEL RECESS

The dash panel across from the officer will be recessed to accommodate the mounting of miscellaneous items. The recess will be 7.25" down x 7.81" back and 20.88" wide.

RADIO, AM/FM/WB/USB/BT

There will be one (1) Aptiv, Heavy-Duty, AM/FM/WB with front panel USB port, integrated Blue Tooth.

FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic* - up to 10 devices can be easily stored in the radio memory for fast pairing) - FRONT PANEL USB PORT- gives a direct connect location for memory devices w/ USB interface, to play stored music and/or charge the device and have iPod® control through the radio - Back-lit Display Lighting - GREEN - PA Function (PA Microphone & Cable sold separately

The stereo radio will be mounted per switch panel layout.

The quantity and location of the speakers will be one (1) pair of 5.25" speakers in the cab and one (1) pair of 5.25" speakers in the crew cab.

The type and location of the antenna will be a roof-mounted rubber antenna located as far to the front and centered side to side as possible, on the lower portion of the cab roof.

SWITCH, MASTER, AM/FM RADIO

There will be a remote switch provided inside the cab to control the AM/FM radio. The switch will be installed on/off at driver side panel and officer panel. The radio will automatically turn on with when the battery switch is turned on.

INFORMATION CENTER

An information center employing a 7.00" diagonal touch screen color LCD display will be encased in an ABS plastic housing.

The information center will have the following specifications:

- Operate in temperatures from -40 to 185 degrees Fahrenheit
- An Optical Gel will be placed between the LCD and protective lens
- Five weather resistant user interface switches
- Grey with black accents
- Sunlight Readable
- Linux operating system
- Minimum of 1000nits rated display
- Display can be changed to an available foreign language
- A LCD display integral to the cab gauge panel will be included as outlined in the cab instrumentation area.
- Programmed to read US Customary

General Screen Design

Where possible, background colors will be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background will be used.

If a caution or warning situation arises the following will occur:

- An amber background/text color will indicate a caution condition
- A red background/text color will indicate a warning condition
- The information center will utilize an "Alert Center" to display text messages for audible alarm tones. The text messages will be written to identify the item(s) causing the audible alarm to sound. If more than one (1) text message occurs, the messages will cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" will change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color will be shown for all alert center messages.
- A label for each button will exist. The label will indicate the function for each active button for each screen. Buttons that are not utilized on specific screens will have a button label with no text or symbol.

Home/Transit Screen

This screen will display the following:

- Vehicle Mitigation (if equipped)
- Water Level (if the water level system includes compatible communications to the information center)
- Foam Level (if the foam level system includes compatible communications to the information center)
- Seat Belt Monitoring Screen

- Tire Pressure Monitoring (if equipped)
- Digital Speedometer
- Active Alarms

On Scene Screen

This screen will display the following and will be auto activated with pump engaged (if equipped):

- Battery Voltage
- Fuel
- Oil Pressure
- Coolant Temperature
- RPM
- Water Level (if equipped)
- Foam Level (if equipped)
- Foam Concentration (if equipped)
- Water Flow Rate (if equipped)
- Water Used (if equipped)
- Active Alarms

Virtual Buttons

There will be four (4) virtual switch panel screens that match the overhead and lower lighting and HVAC switch panels.

Page Screen

The page screen will display the following and allow the user to progress into other screens for further functionality:

- Diagnostics
 - Faults
 - Listed by order of occurrence
 - Allows to sort by system
 - Interlock
 - Throttle Interlocks
 - Pump Interlocks (if equipped)
 - Aerial Interlocks (if equipped)
 - PTO Interlocks (if equipped)
 - Load Manager
 - A list of items to be load managed will be provided. The list will provide a description of the load.
 - The lower the priority numbers the earlier the device will be shed should a low voltage condition occur.
 - The screen will indicate if a load has been shed (disabled) or not shed.
 - "At a glance" color features are utilized on this screen.
 - Systems
 - Command Zone

- Module type and ID number
 - Module Version
 - Input or output number
 - Circuit number connected to that input or output
 - Status of the input or output
 - Power and Constant Current module diagnostic information
 - Foam (if equipped)
 - Pressure Controller (if equipped)
 - Generator Frequency (if equipped)
 - Live Data
 - General Truck Data
- Maintenance
 - Engine oil and filter
 - Transmission oil and filter
 - Pump oil (if equipped)
 - Foam (if equipped)
 - Aerial (if equipped)
- Setup
 - Clock Setup
 - Date & Time
 - 12 or 24 hour format
 - Set time and date
 - Backlight
 - Daytime
 - Night time
 - Sensitivity
 - Unit Selection
 - Home Screen
 - Virtual Button Setup
 - On Scene Screen Setup
 - Configure Video Mode
 - Set Video Contrast
 - Set Video Color
 - Set Video Tint
- Do Not Move
 - The screen will indicate the approximate location and type of item that is open or is not stowed for travel. The actual status of the following devices will be indicated
 - Driver Side Cab Door
 - Passenger's Side Cab Door
 - Driver Side Crew Cab Door
 - Passenger's Side Crew Cab Door
 - Driver Side Body Doors
 - Passenger's Side Body Doors
 - Rear Body Door(s)

- Ladder Rack (if applicable)
- Deck Gun (if applicable)
- Light Tower (if applicable)
- Hatch Door (if applicable)
- Stabilizers (if applicable)
- Steps (if applicable)
- Notifications
 - View Active Alarms
 - Shows a list of all active alarms including date and time of the occurrence is shown with each alarm
 - Silence Alarms - All alarms are silenced
- Timer Screen
- HVAC (if equipped)
- Tire Information (if equipped)
- Ascendant Set Up Confirmation (if equipped)

Button functions and button labels may change with each screen.

COLLISION MITIGATION

There will be a HAAS Alert®, Model HA5 Responder-to-Vehicle (R2V) collision avoidance system provided on the apparatus. The HA5 cellular transponder module will be installed behind the cab windshield, as high and near to the center as practical, to allow clear visibility to the sky. The module dimensions are 5.40" long x 2.70" wide x 1.30" high, and operating temperature range is -40 degree C to 85 degree C.

The transponder will be connected to the vehicle's emergency master circuit and battery direct power and ground.

While responding with emergency lights on, the HA5 transponder sends alert messages via cellular network to motorists in the vicinity of the responding truck that are equipped with the WAZE app.

While on scene with emergency lights on, the HA5 transponder sends road hazard alerts to motorists in the vicinity of the truck that are equipped with the WAZE app.

The HA5 Responder-to-Vehicle (R2V) collision avoidance system will include the transponder and a 5 year cellular plan subscription.

Activation of the HAAS Alert system requires a representative of the customer to accept the End User License Agreement (EULA) via an on-line portal.

VEHICLE DATA RECORDER

There will be a vehicle data recorder (VDR) capable of reading and storing vehicle information provided.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A USB cable can be used to connect the VDR to a laptop to retrieve

required information. The program to download the information from the VDR will be available to download on-line.

The vehicle data recorder will be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle
- ABS Event - On/Off
- Seat Occupied Status - Yes/No by Position
- Seat Belt Buckled Status - Yes/No by Position
- Master Optical Warning Device Switch - On/Off
- Time - 24 Hour Time
- Date - Year/Month/Day

Seat Belt Monitoring System

A seat belt monitoring system (SBMS) will be provided on the Command Zone™ color display and in the center overhead of the cab instrument panel. The SBMS will be capable of monitoring up to 10 seating positions indicating the status of each seat position per the following:

- Seat Occupied & Buckled = Green LED indicator illuminated
- Seat Occupied & Unbuckled = Red LED indicator with audible alarm
- No Occupant & Buckled = Red LED indicator with audible alarm
- No Occupant & Unbuckled = No indicator and no alarm

The seat belt monitoring screen will become active on the Command Zone color display when:

- The home screen is active:
 - and there is any occupant seated but not buckled or any belt buckled with an occupant.
 - and there are no other Do Not Move Apparatus conditions present. As soon as all Do Not Move Apparatus conditions are cleared, the SBMS will be activated.

The SBMS will include an audible alarm that will warn that an unbuckled occupant condition exists and the parking brake is released, or the transmission is not in park.

INTERCOM SYSTEM

A five (5) position David Clark, Model U3800, intercom system with single radio interface capability at the driver and officer positions will be provided. Three (3) crew cab positions, 2 adjacent seats at three (3) forward facing seats will have radio listen / intercom only.

The following components will be supplied with this system:

- One (1) U3805 Radio Cord Junction Module

- One (1) U3815 Radio Interface Module (Driver)
- One (1) U3811 Radio Interface Module (Officer)
- One (1) U3800 Intercom Unit (2 Crew)
- One (1) C3820 Power Cable
- One (1) U3801 Remote Headset Station (1 Crew)
- All necessary station cables and connectors

RADIO / INTERCOM INTERFACE INCLUDED

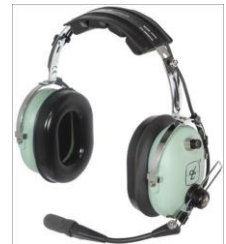
All radio interfaced stations will have universal radio interfaces installed. The interface wiring will be routed within the cab to tbd .

OVER THE HEAD HEADSET

There will be five (5) over the head, headset(s) provided one at each seated position.

Each David Clark, Model H3432, headset will feature:

- 5' Coiled cord
- Noise cancelling electric microphone
- Flexible microphone boom rotates 200 degrees for left or right dress
- Microphone on/off button
- Comfort Gel Earseals
- 23 dB noise reduction



HEADSET HANGERS

There will be five (5) headset hanger(s) installed driver's seat, officer's seat, driver's side outboard forward facing seat, passenger's side outboard forward facing seat and rear, center, forward facing seat. The hanger(s) will meet NFPA 1901, Section 14.1.11, requirement for equipment mounting.

BRACKET, JOHNNY RAY

There will be one (1) Johnny Ray, radio swivel bracket rated for 7 lbs. and will be provided and installed center overhead.

RADIO ANTENNA MOUNT

There will be two (2) standard 1.125", 18 thread antenna-mounting base(s) installed on the right side on the cab roof with high efficiency, low loss, coaxial cable(s) routed to the overhead switch area. A weatherproof cap will be installed on the mount.



VEHICLE VIDEO SYSTEM

A video camera system will be provided with the following color cameras with built in microphone:

- One (1) inside, front of cab, facing forward, record only.
- One (1) inside, front of cab, facing rearward, record only.
- The color of the two (2) cameras will be black.

- One (1) at the rear of the apparatus, displayed automatically with transmission in reverse

All cameras will record to an four (4) channel hybrid mobile digital video recorder (HVR) located Mount on the back side of the DS rear facing EMS cabinet with a 32 Gigabit SD card and GPS tracking. All HVR programming will be the responsibility of the end user.

The rear camera image will be displayed in the cab on the driver's vehicle information center display. Audio from the rear camera will be emitted by an amplified speaker with volume control located behind the driver seat.

The following Safety Vision components will be supplied:

- One (1) 4401-HVR-32GKIT
- One (1) 41-2.8-WT forward facing camera
- One (1) 41-2.8MIR-WT interior facing camera
- One (1) SV-630A Kit rear camera
- All necessary cables, splitters

VEHICLE CAMERA GUARD

There will be one (1) aluminum treadplate guard(s) fastened over the vehicle camera(s) located rear camera .

VEHICLE CAMERA GUARDS

There will be two (2) smooth, tapered aluminum guard(s) fastened over the cab / body camera(s) located driver and officer's side. The guards will be painted to match the surface they are attached to.

ELECTRICAL POWER CONTROL SYSTEM

The primary power distribution will be located forward of the officer's seating position and be easily accessible while standing on the ground for simplified maintenance and troubleshooting. Additional electrical distribution centers will be provided throughout the vehicle to house the vehicle's electrical power, circuit protection, and control components. The electrical distribution centers will be located strategically throughout the vehicle to minimize wire length. For ease of maintenance, all electrical distribution centers will be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays will be easily accessible.

Distribution centers located throughout the vehicle will contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership.

Circuit protection devices, which conform to SAE standards, will be utilized to protect electrical circuits. All circuit protection devices will be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers will be Type-I automatic reset (continuously resetting). When required, automotive type fuses will be utilized to protect electronic equipment. Control relays and solenoid will have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

Solid-State Control System

A solid-state electronics based control system will be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network will consist of electronic modules, electronic control modules to include black housings, a power indicator and status indicator located near their point of use to reduce harness lengths and improve reliability. The control system will comply with SAE J1939-11 recommended practices.

The control system will operate as a master-slave system whereas the main control module instructs all other system components. The system will contain patented Mission Critical software that maintains critical vehicle operations in the unlikely event of a main controller error. The system will utilize a Real Time Operating System (RTOS) fully compliant with OSEK/VDX™ specifications providing a lower cost of ownership.

For increased reliability and simplified use the control system modules will include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic
- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field programmable to accommodate changes to the vehicle's operating parameters

To assure long life and operation in a broad range of environmental conditions, the solid-state control system modules will meet the following specifications:

- Module circuit board will meet SAE J771 specifications
- Operating temperature from -40C to +70C
- Storage temperature from -40C to +70C
- Vibration to 50g

IP67 rated enclosure (Totally protected against dust and also protected against the effect of temporary immersion between 15 centimeters and one (1) meter)

Operating voltage from eight (8) volts to 32 volts DC

The main controller will activate status indicators and audible alarms designed to provide warning of problems before they become critical.

Circuit Protection and Control Diagram

Copies of all job-specific, computer network input and output (I/O) connections will be provided with each chassis. The sheets will indicate the function of each module connection point, circuit protection information (where applicable), wire numbers, wire colors and load management information.

On-Board Electrical System Diagnostics

The on-board information center will include the following diagnostic information:

- Text description of active warning or caution alarms
- Simplified warning indicators
- Amber caution indication with intermittent alarm
- Red warning indication with steady tone alarm

Advanced diagnostic feature will be provided in this control system. From the Command Zone display or connected wireless device, these features allow the user to monitor the real-time status of every input or output on the vehicle. It also allows users logged in as an administrator to force on inputs or outputs to assist the troubleshooting process.

TCU Module with WiFi

An in cab module will provide WiFi wireless interface and data logging capability. The WiFi interface will comply with IEEE 802.11 b/g/n capabilities while communicating at 2.4 Gigahertz. The module will communicate through a black WiFi antenna allowing a line of site communication range of up to 300 feet with a roof mounted antenna.

The module will transmit a password protected web page to a WiFi enabled device (i.e. most smart phones, tablets or laptops) allowing two levels of user interaction. The firefighter level will allow vehicle monitoring of the vehicle and firefighting systems on the apparatus. The technician level will allow diagnostic access to inputs and outputs installed on the Command Zone™, control and information system.

The TCU capability will record faults from the engine, transmission, ABS and Command Zone™, control and information systems as they occur. No other data will be recorded at the time the fault occurs. The data TCU will provide up to 2 Gigabytes of data storage.

The TCU will provide a means to download the TCU information and update software in the device.

Indicator Light and Alarm Prove-Out System

A system will be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.

Voltage Monitor System

A voltage monitoring system will be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system will provide visual and audible warning when the system voltage is below or above optimum levels.

The alarm will activate if the system falls below 11.8 volts DC for more than two (2) minutes.

Dedicated Radio Equipment Connection Points

There will be three (3) studs provided in the primary power distribution center located in front of the officer for two-way radio equipment. The studs will consist of the following:

- 12-volt 40-amp battery switched power

- 12-volt 60-amp ignition switched power
- 12-volt 60-amp direct battery power

There will also be a 12-volt 100-amp ground stud located in or adjacent to the power distribution center.

EMI/RFI Protection

To prevent erroneous signals from crosstalk contamination and interference, the electrical system will meet, at a minimum, SAE J551/2, thus reducing undesired electromagnetic and radio frequency emissions. An advanced electrical system will be used to ensure radiated and conducted electromagnetic interference (EMI) or radio frequency interference (RFI) emissions are suppressed at their source.

The apparatus will have the ability to operate in the electromagnetic environment typically found in fire ground operations to ensure clean operations. The electrical system will meet, without exceptions, electromagnetic susceptibility conforming to SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter. The vehicle OEM, upon request, will provide EMC testing reports from testing conducted on an entire apparatus and will certify that the vehicle meets SAE J551/2 and SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter requirements. Component and partial (incomplete) vehicle testing is not adequate as overall vehicle design can impact test results and thus is not acceptable by itself.

EMI/RFI susceptibility will be controlled by applying appropriate circuit designs and shielding. The electrical system will be designed for full compatibility with low-level control signals and high-powered two-way radio communication systems. Harness and cable routing will be given careful attention to minimize the potential for conducting and radiated EMI/RFI susceptibility.

ELECTRICAL SYSTEM PROGNOSTICS

There will be a software based vehicle tool provided to predict remaining life of the vehicles critical fluid and events.

The system will send automatic indications to the Command Zone™ information center and/or wireless enabled devices to proactively alert of upcoming service intervals.

Prognostics will include the following:

- Engine oil and filter
- Transmission oil and filter

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers will be provided which conform to SAE Standards. Wiring will be color, function and number coded. Function and number codes will be continuously imprinted on all wiring harness conductors at 2.00" intervals. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment will be installed utilizing the following guidelines:

1. All holes made in the roof will be caulked with silicon. Large fender washers, liberally caulked, will be used when fastening equipment to the underside of the cab roof.
2. Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area will be defined as any location outside of the cab or body.
3. Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire will be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.
4. Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).
5. All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas will have silicon applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests will be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

Six (6) 12 volt, Deka, Model 1231MF, maintenance free group 31 batteries that include the following features, each, will be provided:

- 1000 CCA (cold cranking amps)
- 185 reserve capacity
- High cycle
- Ref. CA of 1190 at 0 degrees Fahrenheit
- 185 reserve capacity
- Threaded studs

BATTERY SYSTEM

There will be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.

MASTER BATTERY SWITCH

There will be a master battery switch provided within the cab within easy reach of the driver to activate the battery system.

An indicator light will be provided on the instrument panel to notify the driver of the status of the battery system.

BATTERY COMPARTMENTS

The batteries will be stored in well-ventilated compartments that are located under the cab and bolted directly to the chassis frame. The battery compartments will be constructed of 3/16" steel plate and be designed to accommodate a maximum of three (3) group 31 batteries in each compartment. The compartments will include formed fit heavy-duty roto-molded polyethylene battery tray inserts with drains on each side of the frame rails. The batteries will be mounted inside of the roto-molded trays.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color-coded covers will be installed on the battery box on the driver's side. This will allow enough room for easy jumper cable access.

POWER CONVERTER / BATTERY CHARGER

There will be one (1) Progressive Dynamics, Inc., Model PD2180, power converter/battery charger provided.

This battery charger includes three (3) separate 12 volt DC outputs for a total output of 80 amps.

Battery charger will be located in the cab behind the driver seat, on the vertical wall of the EMS compartment.

KUSSMAUL AUTO EJECT FOR SHORELINE

There will be two (2) Kussmaul™, Model 091-55-20-120, 20 amp 120 volt AC shoreline inlet(s) provided to operate the dedicated 120 volt AC circuits on the apparatus.

The shoreline inlet(s) will include red and blue weatherproof flip up cover(s).

The shorelines will be connected one to the 120v outlets, and one to the Coleman A/C.

There will be a release solenoid wired to the vehicle's starter to eject the AC connector when the engine is starting.

There will be a mating connector body supplied with the loose equipment.

There will be a label installed near the inlet(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

The shoreline receptacle will be located on the driver and passenger side exterior of cab, behind crew cab door.

BATTERY ON INDICATOR

The center cab marker light will be connected to the master battery switch to indicate when the master battery switch is in the "on" position.

BATTERY CHARGE INDICATOR

There will be a Kussmaul, Model 091-94-12, battery charge indicator installed forward of the drivers door.



INDICATOR, BATTERY STATUS

There will be one (1) Kussmaul, Model 091-189-12, battery status indicator panel provided and located above the shoreline plug on the driver side to the rear of the crew door.

The indicator reads battery voltage and indicates the condition of the batteries.

ALTERNATOR

A Delco Remy®, Model 55SI, alternator will be provided. It will have a rated output current of 430 amps, as measured by SAE method J56. The alternator will feature an integral regulator and rectifier system that has been tested and qualified to an ambient temperature of 257 degrees Fahrenheit (125 degrees Celsius). The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

ELECTRICAL REQUIREMENTS

All electrical components will be mounted above the frame rails. Nothing should be hanging below the frame rails.

GUARD

There will be an aluminum cover installed around the relays/solenoids and fuses located in the frame rail to help deflect water and steam.

The air dryer line will be secured to the cover with a rubber coated clamp.

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system will be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components will not be allowed.

The system will include the following features:

- System voltage monitoring.

- A shed load will remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.
- Priority levels can be set for individual outputs.
- High Idle to activate before any electric loads are shed and deactivate with the service brake.
 - If enabled:
 - "Load Man Hi-Idle On" will display on the information center.
 - Hi-Idle will not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center, where applicable, includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
 - ON = not shed
 - SHED = shed

SEQUENCER

A sequencer will be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges. This sequencer operation will allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

For improved reliability and ease of use, the load sequencing system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load sequencing tasks. Load sequencing systems which require additional components will not be allowed.

Emergency light sequencing will operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights will be activated one by one at half-second intervals. Sequenced emergency light switch indicators will flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer will deactivate the warning light loads in the reverse order.

Sequencing of the following items will also occur, in conjunction with the ignition switch, at half-second intervals:

- Cab Heater and Air Conditioning
- Crew Cab Heater (if applicable)
- Crew Cab Air Conditioning (if applicable)
- Exhaust Fans (if applicable)
- Third Evaporator (if applicable)

HEADLIGHTS

There will be a HiViz part number FT-4X6-4KIT, that includes four (4) 4.00" high x 6.00" long rectangular LED lights with parking lamp illumination around the outside of the lamps mounted in the front quad style housings on each side of the cab grille:

- the outside lamp on each side will contain a part number FT-4X6-HL with low beam LEDs
- the inside lamp on each side will contain a part number FT-4X6-H with high beam LEDs
- the lights will be controlled through the headlight switch

The headlight housing and headlight trim to be painted black.

DIRECTIONAL LIGHTS

There will be two (2) Whelen 600® series, LED combination directional/marker lights provided with black flanges. The lights will be located on the outside cab corners, next to the headlights.

The color of the lenses will be clear.

ADDITIONAL DIRECTIONAL LIGHT

There will be two (2) Whelen®, Model M62T*, amber LED directional lights provided back of the cab. The lens color(s) to be the same as the LEDs.

Each light will be surface mounted with black trim.

The flash pattern of the directional lights will be Sequence (80 FPM) to Solid.

INTERMEDIATE LIGHT

There will be two (2) Weldon, Model 9186-8580-29, amber LED turn signal marker lights furnished, one (1) each side, in the rear fender panel. The light will double as a turn signal and marker light.

CAB CLEARANCE/MARKER/ID LIGHTS

There will be two (2) Whelen® Model 0SA00MCR, 1.00" high x 1.50" wide x 0.50" deep clearance lights with amber LEDs, clear lenses and chrome housings provided to indicate the presence and overall length of the vehicle in the following locations:

- One (1) light installed on the left side, side of the apparatus as high and close to the front as practical.
- One (1) light installed on the right side, side of the apparatus as high and close to the front as practical.

All other forward facing clearance lights will be included with the visor scene light.

REAR CLEARANCE/MARKER/ID LIGHTING

There will be three (3) Whelen®, Model 0SR00MCR, LED lights with a chrome flange used as identification lights located at the rear of the apparatus per the following:

- As close as practical to the vertical centerline
- Centers spaced not less than 6.00" or more than 12.00" apart
- Red in color

- All at the same height

There will be two (2) Whelen, Model 0SR00MCR, LED lights with a chrome flange installed at the rear of the apparatus used as clearance lights located at the rear of the apparatus per the following:

- To indicate the overall width of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the rear
- All at the same height

There will be two (2) Whelen, Model 0SR00MCR, LED lights with a chrome flange installed on the side of the apparatus as marker lights as close to the rear as practical per the following:

- To indicate the overall length of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the side
- All at the same height

There will be two (2) red reflectors located on the rear of the truck facing to the rear. One (1) each side, as far to the outside as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

There will be two (2) red reflectors located on the side of the truck facing to the side. One (1) each side, as far to the rear as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

Per FMVSS 108 and CMVSS 108 requirements.

REAR FMVSS LIGHTING

The rear stop/tail and directional lighting included in the rear tail light housing will include the following:

- Two (2) Whelen®, Model M62BTT, 4.30" high x 6.70" wide x 1.40" deep brake/tail lights with red LEDs
- Two (2) Whelen, Model M62T, 4.30" high x 6.70" wide x 1.40" deep directional lights with amber LEDs. The directional lights will be set to Sequence (80 FPM) to Solid flash pattern.
- The lens color(s) to be the same as the LEDs.

There will be two (2) Whelen Model M6BUW, LED backup lights provided in the tail light housing.

LICENSE PLATE BRACKET

One (1) license plate bracket constructed of stainless steel will be provided and located License plate holder to be mounted mid-level on rear of body and outboard to allow for mounting cones on the rear tailboard. .

One (1) white LED light with black housing will be provided to illuminate the license plate. A stainless steel light shield will be provided over the light that will direct illumination downward, preventing white light to the rear.

LIGHTING BEZEL

There will be two (2) Whelen®, four (4) place black housings provided for the rear M6 series stop/tail, directional, back up, scene lights or warning lights.

BACK-UP ALARM

A PRECO, Model 1040, solid-state electronic audible back-up alarm that actuates when the truck is shifted into reverse will be provided. The device will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum ten (10) dBA above surrounding environmental noise levels.

CAB PERIMETER SCENE LIGHTS

There will be four (4) Amdor white LED strip lights provided, one (1) for each cab door and crew cab door.

- Two (2) Amdor, Model AY-LB-12HW020, 350 lumens each, 20.00" LED strip lights, one (1) for each cab door.
- Two (2) Amdor, Model AY-LB-12HW012, 190 lumens each, 12.00" LED strip lights, one (1) for each crew cab door.

These lights will be activated automatically when the battery switch is on and the exit doors are opened or by the same means as the body perimeter scene lights.

PUMP HOUSE PERIMETER LIGHTS

There will be two (2) Amdor, Model AY-LB-12HW020, 350 lumens each, 20.00" LED weatherproof strip lights with brackets provided under the pump panel running boards, one (1) each side.

If the combination of options in the vehicle does not permit clearance for a 20.00" light, a 12.00" version of the Amdor light will be installed.

The lights will be controlled by the same means as the body perimeter lights.

BODY PERIMETER SCENE LIGHTS

There will be two (2) Amdor, Model AY-LB-12HW020, 350 lumens, 20.00" long, white LED's, 12 volt DC lights provided at the rear step area of the body, one (1) each side shining to the rear.

The perimeter scene lights will be activated when the parking brake is applied, either directional light is activated, activating all side facing perimeter lights and the reverse signal activated, activating all the side facing perimeter lights.

ADDITIONAL PERIMETER LIGHTS

There will be four (4) Amdor® Model AY-LB-12HW020, 350 lumens, 20.00" long, with white LED's installed with one (1) light under compartment LS1, one (1) light under compartment RS1, one (1) light centered under compartment LS3 and one (1) light centered under compartment RS3.

With the chassis battery switch energized, the lights will be activated by the same means as the body perimeter lights.

ENHANCED SOFTWARE FOR PERIMETER LIGHTS

All perimeter lights and scene lights will be deactivated when the parking brake is released.

The cab and crew cab perimeter lights will dim after 10 seconds or immediately if the vehicle's transmission is put into gear.

STEP LIGHTS

There will be four (4) white LED, step lights provided. One (1) step light will be provided on each side, on the front compartment face and two (2) step lights at the rear to illuminate the tailboard.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

These step lights will be actuated when the ignition switch is on and the parking brake is set.

All other steps on the apparatus will be illuminated per the current edition of NFPA 1901.

12 VOLT LIGHTING

There will be a HiViz Model FT-BG2S-R275C-80-*, 3.90" high x 80.00" long 70,281 raw lumens 12 volt DC light with white and amber LEDs provided and mounted on the cab roof front brow.

The painted parts to be black.

There will be five (5) amber LEDs designated identification and clearance in positions 1, 7, 10, 13, and 19 from left to right. There will be nineteen (19) white LEDs for flood/scene/spot in all positions left to right.

The warning LEDs will be amber.

The LEDs will be controlled by the supplier based control system.

- The amber identification and clearance LEDs will be controlled by the head light switch.

The white and amber warning LEDs may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be one (1) HiViz®, Model FT-BG2S-REC-18-*, 3.67" high x 17.72" wide x 5.75" deep, 3,600 raw lumens, 12 volt DC light(s) recessed into the right side of the cab Recessed in L/S crew cab upper door window. The light modules will include white LED spot, flood, scene LEDs with amber warning LEDs.

The painted parts to be black.

The light(s) will be controlled through the supplier based control system.

The light(s) may be load managed when the parking brake is applied.

White flashing LEDs will be deactivated when the parking brake is applied.

The left, center out and right traffic directing will override the flood LEDs.

Warning LEDs will be deactivated when the any spot, flood or scene LEDs are activated.

12 VOLT LIGHTING

There will be one (1) HiViz®, Model FT-BG2S-REC-18-*, 3.67" high x 17.72" wide x 5.75" deep, 3,600 raw lumens, 12 volt DC light(s) recessed into the left side of the cab Recessed in R/S crew cab upper door window. The light modules will include white LED spot, flood, scene LEDs with amber warning LEDs.

The painted parts to be black.

The light(s) will be controlled through the supplier based control system.

The light(s) may be load managed when the parking brake is applied.

White flashing LEDs will be deactivated when the parking brake is applied.

The left, center out and right traffic directing will override the flood LEDs.

Warning LEDs will be deactivated when the any spot, flood or scene LEDs are activated.

12 VOLT LIGHTING

There will be two (2) HiViz Model FT-BG2S-D90-26-*, 20,400 lumens 7.28" high x 26.00" long x 5.70" deep, six (6) module light assembly installed on the right side of the apparatus located, located, one front and one rear, upper body.

The painted parts to be black.

The LEDs will be controlled through the supplier based control system.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

The warning lights will be red.

The left, center out and right traffic directing will override the flood LEDs.

Warning LEDs will be deactivated when the any spot, flood or scene LEDs are activated.

12 VOLT LIGHTING

There will be two (2) HiViz Model FT-BG2S-D90-26-*, 20,400 lumens 7.28" high x 26.00" long x 5.70" deep, six (6) module light assembly installed on the left side of the apparatus located, located, one front and one rear, upper body.

The painted parts to be black.

The LEDs will be controlled through the supplier based control system.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

The warning lights will be red.

The left, center out and right traffic directing will override the flood LEDs.

Warning LEDs will be deactivated when the any spot, flood or scene LEDs are activated.

12 VOLT LIGHTING

There will be one (1) HiViz Model FT-BG2S-REC-34-*, 7.28" high x 37.26" long x 5.70" deep, eight (8) module light assembly recessed, installed on the apparatus, located on the rear of the body.

The painted parts to be black.

The LEDs will be controlled through the supplier based control system.

The scene and warning light circuit(s) may be load managed when the parking brake is applied.

The warning lights will be amber.

The left, center out and right traffic directing will override the flood LEDs.

Warning LEDs will be deactivated when the any spot, flood or scene LEDs are activated.

ADDITIONAL HOSE BED LIGHTS

There will be one (1) 63.00" white 12 volt DC LED light strip(s) provided with stainless steel protective cover, provided to light the hose bed area installed on the front cross divider of the hose bed.

The light(s) will be activated by a cup switch at the rear of the apparatus no more than 72.00" from the ground.

HOSE BED LIGHTING

There will be one (1) pair of Whelen Model PELCC, 2.25" high x 7.88" wide x 1.63" deep white 12 volt DC LED lights, with 45 degree chrome housings, provided to illuminate the hose bed area one light on each side of the upper inside beavertail to shine into the hose bed. Lights both to be switched on by one cup switch for hose bed forward light and these two rear lights. .

The lights will be activated with the other hosebed lights

WALKING SURFACE LIGHTS

There will be six (6) Amdor®, Model AY-LB-12HW0**, white 12 volt DC LED strip light(s) provided in the cargo area(s) to illuminate the interior surface of the cargo area(s). Light(s) will be to illuminate the entire designated walking surface on top of the body..

The light will be activated when the body step lights are on.

RADIO CUT OUT SWITCH

An on/off switch will be provided on the driver's side for the AM/FM radio. The switch will allow the driver to disable the AM/FM radio when it is necessary to hear other communications.

RADIO CUT OUT SWITCH

An on/off switch will be provided on the officer's side for the AM/FM radio. The switch will allow the officer to disable the AM/FM radio when it is necessary to hear other communications.

WATER TANK

Booster tank will have a capacity of 750 gallons and be constructed of polypropylene plastic by United Plastic Fabricating, Incorporated.

The tank will be stepped in design to allow for a low hosebed.

Tank joints and seams will be nitrogen welded inside and out.

Tank will be baffled in accordance with NFPA Bulletin 1901 requirements.

Baffles will have vent openings at both the top and bottom to permit movement of air and water between compartments.

Longitudinal partitions will be constructed of .38" polypropylene plastic and will extend from the bottom of the tank through the top cover to allow for positive welding.

Transverse partitions will extend from 4.00" off the bottom of the tank to the underside of the top cover.

All partitions will interlock and will be welded to the tank bottom and sides.

Tank top will be constructed of .50" polypropylene. It will be recessed .38" and will be welded to the tank sides and the longitudinal partitions.

Tank top will be sufficiently supported to keep it rigid during fast filling conditions.

Construction will include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels will be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.

A sump that will be sized dependent on the tank to pump plumbing will be provided at the bottom of the water tank.

Sump will include a drain plug and the tank outlet.

Tank will be installed in a fabricated cradle assembly constructed of structural steel.

Sufficient crossmembers will be provided to properly support bottom of tank. Crossmembers will be constructed of steel bar channel or rectangular tubing.

Tank will "float" in cradle to avoid torsional stress caused by chassis frame flexing. Rubber cushions, .50" thick x 3.00" wide, will be placed on all horizontal surfaces that the tank rests on.

Stops or other provision will be provided to prevent an empty tank from bouncing excessively while moving vehicle.

Mounting system will be approved by the tank manufacturer.

Fill tower will be constructed of .50" polypropylene and will be a minimum of 8.00" wide x 14.00" long.

Fill tower will be furnished with a .25" thick polypropylene screen and a hinged cover.

An overflow pipe, constructed of 4.00" schedule 40 polypropylene, will be installed approximately halfway down the fill tower and extend through the water tank and exit to the rear of the rear axle.

SLEEVE, PLUMBING, THROUGH TANK

Two (2) sleeves will be provided in the water tank for a 3.00" pipe to the rear.

One (1) sleeve will be provided in the water tank for a 3.00" pipe to the rear.

Any specific locations to be specified here. locate the booster reel plumbing sleeve as low as possible within the R1 compartment

WATER TANK RESTRAINT

A heavy-duty water tank restraint will be provided.

HOSE BED

The hose bed will be fabricated of 0.125"-5052 aluminum with a nominal 38,000 psi tensile strength.

The hose bed will be as low as practical.

Upper and rear edges of side panels will have a double break for rigidity.

The upper inside area of the beavertails will be covered with brushed stainless steel to prevent damage to painted surface when hose is removed.

Flooring of the hose bed will be removable aluminum grating with the top surface corrugated to aid in hose aeration. The grating slats will be a minimum of 0.50" x 4.50" with spacing between slats for hose ventilation.

A cross divider will be provided at the front of the hose bed before the tank transitions from the lower section to the upper section. The divider will run from the top of the side sheet down below the hose bed grating.

The hose bed interior walls will be painted to match the lower body color.

Hose bed will accommodate 1000' 5" 400' 3" (2 separate lays of 200') 400' 2".

HOSE BED DIVIDER

Three (3) hosebed dividers will be furnished for separating hose.

Each divider will be constructed of a .125" brushed aluminum sheet fitted and fastened into a slotted, 1.50" diameter radiused extrusion along the top, bottom, and rear edge.

An oval opening will be provided near the rear of the divider to be used as a hand hold and aid in accessing the hose bed.

Divider will be fully adjustable by sliding in tracks, located at the front and rear of the hose bed.

Divider will be held in place by tightening bolts, at each end.

Acorn nuts will be installed on all bolts in the hose bed which have exposed threads.

A cross-divider will be provided just behind the fill tower. The divider will be bolted to the side sheet.

HOSE BED COVER

A roller shutter style hose bed cover will be supplied.

The cover will be the full length and width of the hose bed area with a red vinyl flap at the rear. The vinyl flap will be attached to the cover with quarter turn at the top and seat belt buckle at the bottom.

The cover will be constructed of stainless steel with aluminum support channels bonded and mechanically fastened to the bottom. There will be a non-slip coating applied to the top surface.

A lift bar will be located at the rear of door and have latches on the outer extrusion of the door frame to hold the door in the closed position.

A cross divider will be provided at the front of the hose bed forward of any domes to section off the door roll area.

SECONDARY HOSE BED COVER SWITCH, COVER "NOT STOWED"

There will be a switch located at the secondary aluminum hose bed cover that will activate the "Do Not Move Apparatus" light in the cab. The light will be activated if the cover is not in the stowed position and the parking brake is released.

LETTERING, HOSE BED REAR FLAP

The lettering designation on the rear flap of the hose bed cover will be E-3541.

There will be white reflective lettering provided on the rear flap. There will be five (5) letters provided. The reflective lettering will be approximately 10.00" high. The lettering will be centered on the hose bed. The layout of the lettering will be straight.

RUNNING BOARDS

Running boards will be fabricated of .125" bright aluminum treadplate.

Each running board will be supported by a welded 2.00" square tubing and channel assembly which will be bolted to the pump compartment substructure.

Running boards will be 14.75" deep and spaced .50" away from the pump panel.

A splash guard will be provided below the running board treadplate.

TAILBOARD

The tailboard will also be constructed of .125" bright aluminum treadplate and spaced .50" from the body, as well as supported by a structural steel assembly.

The tailboard area will be 16.00" deep and full width of the body. The outboard sides of the tailboard will be angled at 45 degrees beginning at the point where the body meets the tailboard at the outboard edge angling rearward to the rear edge of the tailboard.

The exterior side will be flanged down and in for increased rigidity of tailboard structure.

REAR WALL, SMOOTH ALUMINUM/BODY MATERIAL

The rear facing surfaces of the center rear wall will be smooth aluminum.

The bulkheads, the surface to the rear of the side body compartments, will be smooth and the same material as the body.

Any inboard facing surfaces below the height of the hosebed will be aluminum diamondplate.

REAR TOW EYES

Two (2) tow eyes, which are an integral part of the body mounting substructure, will be installed below the rear of the truck.

The tow eyes will be of adequate strength to allow the truck to be pulled from the eyes.

REAR TOW BAR

One (1) tow bar will be installed under the tailboard, 3.00" forward from the rear of the tailboard. With air ride suspension and a 65 gallon fuel tank, the tow bar will be located .50" further rearward than normal when there is this combination of options.

The tow bar assembly will be designed and positioned to allow up to a 30-degree upward angled pull of 17,000 lb, or a 20,000 lb straight horizontal pull in line with the centerline of the vehicle.

The tow bar design will have been tested and evaluated using finite element analysis techniques.

RUNNING BOARD HOSE RESTRAINT

A pair of 2.00" wide black nylon straps with Velcro fasteners will be provided for each hose tray to secure the hose during travel. There will be Two (2) hose trays located one (1) in each side running board.

HOSE TRAY

Two (2) hose trays free floating hose tray(s) to fit in the opening of the running board will be provided one (1) in each side running board. The tray will be flanged and drop in from the top.

Capacity of the tray will be 25' of 5.00" hose.

Rubber matting will be installed on the floor of the tray to provide proper ventilation. Drain holes will be provided.

COMPARTMENTATION

Body and compartments will be fabricated of 0.125", 5052-H32 aluminum.

Side compartments will be an integral assembly with the rear fenders.

Circular fender liners will be provided for prevention of rust pockets and ease of maintenance.

Side compartment flooring will be of the sweep out design with the floor higher than the compartment door lip.

The side compartment door opening will be framed by flanging the edges in 1.75" and bending out again 0.75" to form an angle.

Drip protection will be provided above the doors by means of bright aluminum extrusion, formed bright aluminum treadplate or polished stainless steel.

The top of the compartment will be covered with bright aluminum treadplate rolled over the edges on the front, rear and outward side. These covers will have the corners welded.

Side compartment covers will be separate from the compartment tops.

Front facing compartment walls will be covered with bright aluminum treadplate.

All screws and bolts which protrude into a compartment will have acorn nuts on the ends to prevent injury.

UNDERBODY SUPPORT SYSTEM

Due to the severe loading requirements of this pumper a method of body and compartment support suitable for the intended load will be provided.

The backbone of the support system will be the chassis frame rails which is the strongest component of the chassis and is designed for sustaining maximum loads.

Forward to the rear axle, the support system will include "L"-shaped support members bolted to the chassis frame rails. These welded support members will include vertical formed channels, horizontal structural channels, and support gussets. These parts extend from the chassis frame outward underneath the body.

Rearward to the rear axle, the body support system will include two rearward facing "L"-shaped support members bolted to the chassis frame rails. These support members will be connected to the two body supporting crossmembers forming a boxed foundation for the rear body support system.

Steel upper platform decks will be mounted on the top of these support members to create a floating substructure which will result in a 500 lb equipment support rating per lower compartment.

All structural components of this system will be made from high strength 50K steel plate material or structural steel componentry. The steel frames as well as the steel vertical angles will be treated with an epoxy E-coat to provide resistance to corrosion and chemicals as standard.

The floating substructure will be separated from the horizontal members with neoprene elastomer isolators. These isolators will reduce the natural flex stress of the chassis from being transmitted to the body.

Isolators will have a broad load range, proven viability in vehicular applications, be of a fail-safe design and allow for all necessary movement in three (3) transitional and rotational modes.

The neoprene isolators will be installed in a pattern which assimilates a three (3)-point mounting pattern to reduce the natural flex of the chassis being transmitted to the body.

A design with body compartments hanging on the chassis in an unsupported fashion will not be acceptable.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas will comply with the required average slip resistance of the current NFPA standards.

LOUVERS

Louvers will be stamped into compartment walls to provide the proper airflow inside the body compartments and to prevent water from dripping into the compartment. Where these louvers are provided, they will be formed into the metal and not added to the compartment as a separate plate.

TESTING OF BODY DESIGN

Body structural analysis will be fully tested. Proven engineering and test techniques such as finite element analysis, strain gauging, and model analysis will be performed with special attention given to fatigue, life and structural integrity of the body and substructure.

Body will be tested while loaded to its greatest in-service weight.

The criteria used during the testing procedure will include:

- Raising opposite corners of the vehicle tires 9.00" to simulate the twisting a truck may experience when driving over a curb.
- Making a 90 degree turn, while driving at 20 mph to simulate aggressive driving conditions.
- Driving the vehicle at 35 mph on a washboard road.
- Driving the vehicle at 55 mph on a smooth road.
- Accelerating the vehicle fully, until reaching the approximate speed of 45 mph on rough pavement.

Evidence of actual testing techniques will be made available upon request.

LEFT SIDE COMPARTMENTATION

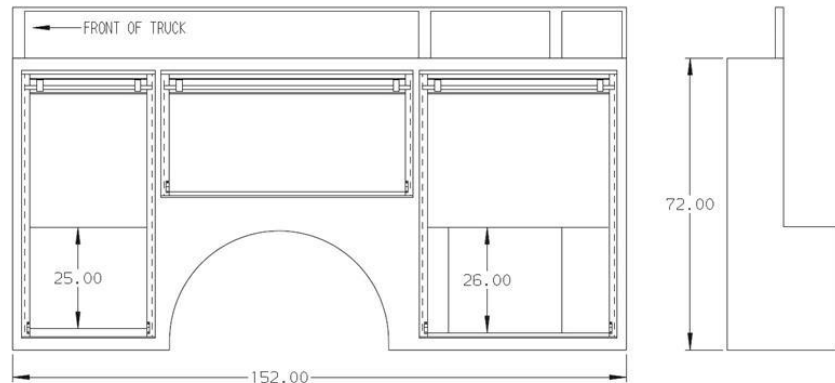
The left side compartmentation will consist of three rollup door compartments.

A full height, rollup door compartment ahead of the rear wheels will be provided. The interior dimensions of this compartment will be 34.50" wide x 66.63" high x 25.88" deep in the lower 25.00" of

the compartment and 12.00" deep in the remaining upper portion. The clear door opening will be a minimum of 28.75" wide x 56.88" high.

A rollup door compartment over the rear wheels will be provided. The interior dimensions of this compartment will be 66.50" wide x 32.88" high x 12.00" deep. The clear door opening will be a minimum of 58.25" wide x 23.13" high.

A full height, rollup door compartment behind the rear wheels will be provided. The interior dimensions of this compartment will be 47.75" wide x 67.63" high x 25.88" deep in the lower 26.00" of height and 12.00" deep in the remaining upper section of the compartment. The clear door opening will be a minimum of 44.75" wide x 57.88" high.



CLEAR DOOR OPENINGS

COMPARTMENT	AMDOR		GORTITE		ROM	
	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
Ahead of axle	29.50	56.88	28.75	58.00	28.94	58.25
Over axle	59.00	23.13	58.25	24.25	58.44	24.50
Behind axle	45.50	57.88	44.75	59.00	44.94	59.25

The interior height of the compartments will be measured from the compartment floor to the ceiling. The spool of the rollup door at the top of the compartment takes up some usable space. The depth of the compartments will be measured from the back wall to the inside of the door frame.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

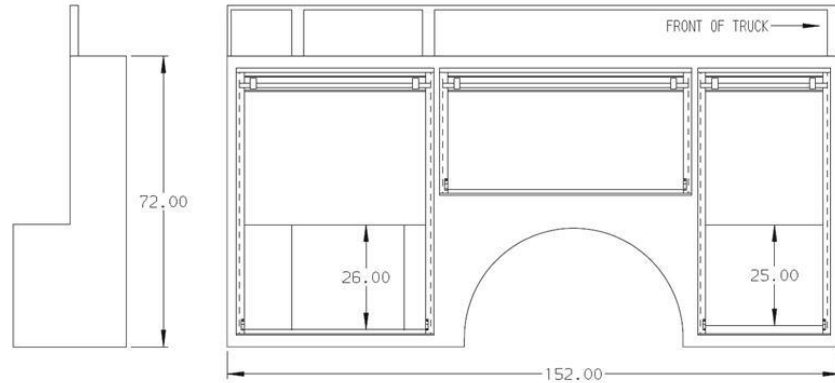
RIGHT SIDE COMPARTMENTATION

The right side compartmentation will consist of three rollup door compartments.

A full height, rollup door compartment ahead of the rear wheels will be provided. The interior dimensions of this compartment will be 34.50" wide x 66.63" high x 25.88" deep in the lower 25.00" of the compartment and 12.00" deep in the remaining upper portion. The clear door opening will be a minimum of 28.75" wide x 56.88" high.

A rollup door compartment over the rear wheels will be provided. The interior dimensions of this compartment will be 66.50" wide x 32.88" high x 12.00" deep. The clear door opening will be a minimum of 58.25" wide x 23.13" high.

A full height, rollup door compartment behind the rear wheels will be provided. The interior dimensions of this compartment will be 47.75" wide x 67.63" high x 25.88" deep in the lower 26.00" of height and 12.00" deep in the remaining upper section of the compartment. The clear door opening will be a minimum of 44.75" wide x 57.88" high.



COMPARTMENT	CLEAR DOOR OPENINGS					
	AMDOR		GORTITE		ROM	
	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
Ahead of axle	29.50	56.88	28.75	58.00	28.94	58.25
Over axle	59.00	23.13	58.25	24.25	58.44	24.50
Behind axle	45.50	57.88	44.75	59.00	44.94	59.25

The interior height of the compartments will be measured from the compartment floor to the ceiling. The spool of the rollup door at the top of the compartment takes up some usable space. The depth of the compartments will be measured from the back wall to the inside of the door frame.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

SIDE COMPARTMENT ROLLUP DOOR(S)

There will be six (6) compartment doors installed on the side compartments, double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by AMDOR™ brand rollup doors.

Door(s) will be constructed using 1.00" extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The second will serve as a wiping seal which will also allow for compression to prevent water ingress.

The doors will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

Bottom panel flange of rollup door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A polished stainless steel lift bar to be provided for each roll-up door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded rollup door wear components will be constructed of Type 6 nylon.

Each rollup door will have a 3.00 inch diameter balancer/tensioner drum to assist in lifting the door.

The header for the rollup door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

COMPARTMENTATION, REAR

A roll-up door compartment above the rear tailboard shall be provided.

Interior dimensions of this compartment shall be 40.00" wide x 47.38" high x 25.88" deep in the lower 38.75" of height and 15.75" deep in the remaining upper portion. Depth of the compartment shall be calculated with the compartment door closed.

The upper RH corner of the compartment shall be notched for the hard suction hose/low level strainer storage.

A louvered, removable access panel shall be furnished on the back wall of the compartment.

Clear door opening of this compartment shall be 13.75" wide x 38.75" high.

Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

ROLLUP REAR COMPARTMENT DOOR

There will be a rear rollup door. The door will be double faced aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by Gortite®.

Lath sections will be an interlocking rib design and will be individually replaceable without complete disassembly of door.

Between each slat at the pivoting joint will be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments. Seals will allow door to operate in extreme temperatures ranging from 180 to -40 degrees Fahrenheit. Side, top and bottom seals will be provided to resist ingress of dirt and weather and be made of Santoprene.

All hinges, barrel clips and end pieces will be nylon 66. All nylon components will withstand temperatures from 300 to -40 degrees Fahrenheit.

A polished stainless steel lift bar to be provided for each roll-up door. Lift bar will be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge will be supplied over lift bar for additional area to aid in closing the door.

Door will be constructed from an aluminum box section. The exterior surface of each slat will be flat. The interior surface will be concave to provide strength and prevent loose equipment from jamming the door from inside.

To conserve space in the compartments, the spring roller assembly will not exceed 3.00" in diameter.

The header for the rollup door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

PULL STRAP, DOORS

A pull strap will be provided for a total of two (2) compartment doors, located LS2, RS2.

A hook and loop closure will be mounted on the inside of each roll door. A second hook and loop closure will be permanently mounted to the nearest inside body wall attaching to the strap. This will allow the strap to be retained inside the compartment while being closed and still allowing the door to open fully.

ROLL-UP DOOR TRIM

The exterior of the aluminum trim around the door opening will be painted to match the color of the applicable door.

There will be one (1) compartments located B1 with the trim painted.

ROLL-UP DOOR TRIM

The exterior of the aluminum trim around the door opening will be painted to match the color of the applicable door.

There will be six (6) compartments located LS1,LS2, LS3, RS1, RS2, RS3 with the trim painted.

COMPARTMENT LIGHTING

There will be seven (7) compartment(s) with two (2) white 12 volt DC LED compartment light strips. The dual light strips will be centered vertically along each side of the door framing. There will be two (2) light strips per compartment. The dual light strips will be in all body compartment(s).

Any remaining compartments without light strips will have a 6.00" diameter Truck-Lite, Model: 79384 light. Each light will have a number 1076 one filament, two wire bulb.

Opening the compartment door will automatically turn the compartment lighting on.

HATCH COMPARTMENT

Two (2) hatch compartments will be provided above the left and right side compartments.

Each hatch compartment will extend the full length of the side body compartmentation x 13.75" wide. The height of each hatch compartment will match the side sheet height or be below the side sheet by a minimum of 3.00" to a maximum hatch height of 22.00".

Sides of the compartment will be constructed of the same material as the body and painted job color. A 2.00" tall formed painted aluminum trim will be provided to cover the seam between the top of the body panel and the bottom of the hatch compartment. The vertical outboard seam at the center of the compartment will be smooth weld finished and painted. The top of the compartment will be constructed of bright aluminum treadplate.

Two (2) lift-up, bright aluminum treadplate doors will be provided on the top of the compartment. Doors will have lipped edges with a rubber seal for weather resistance. Each door will have a socket and plunger type latch and chrome grab handle. Doors will be hinged on the outboard side and will utilize a gas strut (or rubber covered chain on narrow width doors)

Compartment will drain to an area below the hose bed. Black Dri-Deck matting shall be provided to help prevent stored equipment in pooled water.

COMPARTMENT LIGHTING

There will be a 42.00" 12 volt DC strip light with white LEDs mounted on the interior, hinged side of each door. The lights will be mounted with mechanical fasteners.

The lights will be activated when the battery switch is on and the door is opened.

CARGO/DUNNAGE AREA LIGHTING

There will be two (2), 12 volt DC strips lights with white LEDs and stainless steel protective cover, provided to illuminate the cargo area.

- One (1) light strip will be installed the entire length of the left side of the cargo area.
- One (1) light strip will be installed the entire length of the right side of the cargo area.

The light(s) will be activated by the same control(s) as the light shield lights.

MOUNTING TRACKS

There will be five (5) sets of tracks for mounting shelf(s) in LS1, LS3, RS1, RS3 and B1. These tracks will be installed vertically to support the adjustable shelf(s), and will be full height of the compartment. The tracks will be unpainted with a natural finish.

ADJUSTABLE SHELVES

There will be ten (10) shelves with a capacity of 500 lb provided.

The shelf construction will consist of .188" aluminum with a dual action finish with 2.00" sides.

Each shelf will be infinitely adjustable by means of a threaded fastener, which slides in a track.

The shelves will be held in place by .12" thick stamped plated brackets and bolts.

The location(s) will be in LS1 at the depth transition point, in RS1 at the transition point, in RS3 at the transition point, in RS3 in the upper third, in RS1 in the upper third, in LS1 in the lower third, in LS1 in the upper third, in LS1 in the upper third, in LS3 at the depth transition point and in B1 in the upper third.

SLIDE-OUT ADJUSTABLE HEIGHT TRAY

There will be one (1) slide-out tray provided.

Each tray will have 6.00" high sides and a minimum capacity rating of 250 lb in the extended position. Each tray will be finished to match the compartment interior.

Each tray will be mounted on a pair of side mounted slides. The slide mechanisms will have ball bearings for ease of operation and years of dependable service. The slides will be mounted to shelf tracks to allow the tray to be adjustable up and down within the designated mounting location.

An automatic lock will be provided for both the in and out tray positions. The lock trip mechanism will be located at the front of the tray and will be easily operated with a gloved hand.

The tray(s) will be located LS3 as low as possible.

SLIDE-OUT/TILT-DOWN TRAY

There will be one (1) slide-out tray provided.

The bottom of each tray will be constructed of 0.188" thick aluminum with a dual action finish while special aluminum extrusions will be utilized for the tray sides, ends, and tracks. The corners will be welded to form a rigid unit.

A spring loaded lock will be provided on each side at the front of the tray. Releasing the locks will allow the tray to slide out approximately two-thirds (2/3) of its length from the stowed position and tip 30 degrees down from horizontal. The tray will be equipped with ball bearing rollers for smooth operation.

Rubber padded stops will be provided for the tray in the extended position.

The capacity rating of the tray will be a minimum of 215 lb in the extended position.

The vertical position of the tray within the compartment will be adjustable.

The location(s) will be in RS2 in the upper third.

SLIDE-OUT FLOOR MOUNTED TRAY

There will be two (2) floor mounted slide-out tray(s) provided.

Each tray will have 2.00" high sides and a minimum capacity rating of 500 lb in the extended position.

Each tray will be constructed of aluminum with a dual action finish

There will be two undermount-roller bearing type slides rated at 250lb each provided. The pair of slides will have a safety factor rating of 2.

To ensure years of dependable service, the slides will be coated with a finish that is tested to withstand a minimum of 1,000 hours of salt spray per ASTM B117.

To ensure years of easy operation, the slides will require no more than a 50lb force for push-in or pull-out movement when fully loaded after having been subjected to a 40 hour vibration (shaker) test under full load. The vibration drive file will have been generated from accelerometer data collected from a heavy truck chassis driven over rough gravel roads in an unloaded condition. Proof of compliance will be provided upon request.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

The location(s) will be RS1 and LS1.

SWING OUT TOOLBOARD

A swing out aluminum toolboard will be provided.

It will be a minimum of .188" thick with .281" diameter diameter holes in a pegboard pattern with 1.00" centers between holes.

A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard.

The board will be mounted on a pivoting device at the front of the compartment on the top and bottom to allow easy movement in and out of the compartment. The maximum tool load will be 400 pounds.

The board will have positive lock in the stowed and extended position.

The board will be mounted mounted on adjustable tracks from front to back within the compartment.

There will be One (1) toolboard(s) provided, will be DA finished, and installed RS2. The bottom of the tool board should be 3.25" above the floor of the compartment.

PARTITION, TRANSVERSE REAR COMPARTMENT

Two (2) partitions will be bolted in place to separate the left and right side rear compartments from the rear tailboard compartment. The partition will be body material painted spatter gray.

MOUNTING, TRAFFIC CONES

Mounting will be provided for customer supplied traffic cones. The cones will be mounted tbd at final. Mounting will consist of a tray open at the rear with vertical fins to support the cones. The dimension of the peg shall be 18.00" long .

ADJUSTABLE HANGER/POST

There will be two (2) hanger post(s) installed onto a mounting track, commonly used to secure cord, cable, rope or hoses, provided in compartment RS3 up high.

Each post will be situated at a ninety degree angle to the track and will be 10.00" long with a slight angle upward to prevent equipment from sliding off. A Velcro® strap and seatbelt style buckles will secure the hanging portion of the equipment to the compartment wall.

Each post and track assembly will be finished to match the interior of the compartment.

PEGBOARD

There will be 3/16" thick aluminum pegboard with a dual action finish will be installed on the back wall of two (2) compartments. It will be mounted using two (2) horizontal tracks. Retainers will be used to mount the pegboard to the tracks. The pegboard(s) installed will be on the upper standard depth section of the compartment. The holes will be .281" diameter, punched 1.00" on center. Pegboard will be provided in the following compartments: LS2 and LS3.

RUB RAILS

The bottom edge of the side body compartments will be trimmed with a black 1.00" thick x 2.63" high UHMW plastic rub rail. There will be 0.50" rubber spacers included between the rub rail and the body.

The rub rails will not be an integral part of the body construction, which allows replacement in the event of damage.

BODY FENDER CROWNS

Painted stainless steel fender crowns will be provided around the rear wheel openings with a dielectric barrier will be provided between the fender crown and the fender sheet metal to prevent corrosion. The crown will be painted 101 black.

The fender crowns will be held in place with stainless steel screws that thread directly into a composite nut and not directly into the parent body sheet metal to eliminate dissimilar metals contact and greatly reduce the chance for corrosion. Rubber welting will be provided between the body and crown.

BODY FENDER LINER

A painted black 101 fender liner will be provided. The liners will be removable to aid in the maintenance of rear suspension components.

HARD SUCTION HOSE

Hard suction hose will not be required.

HANDRAILS

The handrails will be Hansen LED backlit black anodized knurled aluminum. The handrails will be lit with a red LED light. The handrails will be activated with the application of the parking brake.

E-coated and black powder coated end stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

Drain holes will be provided in the bottom of all vertically mounted handrails.

Handrails will be provided to meet NFPA 1901 section 15.8 requirements. The handrails will be installed as noted on the sales drawing.

HANDRAILS

One (1) Hansen LED lit black anodized knurled aluminum vertical handrail will be located on each rear beavertail. E-coated and black powder coated end stanchions will support the handrail. The handrail will be lit with a red LED light. The hand rail will be activated with the application of the parking brake.

- One (1) full width horizontal handrail will be provided below the hose bed at the rear of the apparatus.

The handrail will be Hansen LED backlit black anodized knurled aluminum. E-coated and black powder coated end stanchions will support the handrail. The handrail will be lit with a red LED light. The handrail will be activated with the application of the parking brake.

- One (1) handrail, will be provided mounted Top of the PS cargo side sheet flange opposite the DS handrail.

The handrail will be 1.25" diameter black anodized aluminum extrusion, with a ribbed design, to provide a positive gripping surface.

E-coated and black powder coated stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

The handrails will be Hansen LED backlit. The handrails will be lit with a red LED light. The handrails will be activated with the application of the parking brake.

Drain holes will be provided in the bottom of all vertically mounted handrails.

- Three (3) handrails 10.00" handrails will be provided mounted one each side, outboard, on the rear bodies forward cross divider and (1) vertically, on the forward rear body tube, opposite the DS handrail.

The handrail(s) will be 1.25" diameter black anodized aluminum extrusion. The handrail will have e-coated and black powdered coated stanchions.

AIR BOTTLE STORAGE TROUGH

There will be a total of three (3) trough(s) provided for the air bottle storage in compartment D1 - forward on floor, slanted toward the tank wall, to prevent sliding out..

Each trough will be "V" shaped and be fabricated of the same material as the rear body, while finished identically with the interior of the compartments.

Each trough will include Dura-Surf to allow easy bottle access.

Bottle size will be To carry a 2.5 Gallon water, 10# co2 with nozzle and a 15# dry chem w/nozzle. V-troughs to be FD -1.00". See photo E-Folders\31000-31999\31140\Stage 7 - Graphics for V-trough assembly dimensions.

AIR PACK STORAGE

A total of one (1) air pack compartment(s) will be provided and located driver side front. The air pack compartment(s) will be tapered to match the profile of the space available in the fender. The compartment(s) will be approximately 15.50" wide at the top and 5.00" wide at the bottom for the wheel

cutout. The compartment(s) will be 15.50" tall at the body side compartment and 6.00" tall at the wheel cutout. The compartment(s) will be 26.00" deep and have a drain hole.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

A painted stainless steel hinged door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air pack. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

AIR BOTTLE STORAGE (SINGLE)

A quantity of one air bottle compartment, approximately 7.50" wide x 7.50" tall x 26.00" deep, will be provided on the driver side rearward of the rear wheels. The triangular door will cover the air bottle opening, the DEF tank access, and fuel fill. The compartment will be square with angled corners. A painted stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment to help contain the air bottle when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE STORAGE (TRIPLE)

A quantity of one (1) air bottle compartment designed to hold (3) air bottles up to 7.25" in diameter x 26.00" deep will be provided on the right side forward of the rear wheels. A painted stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black rubber matting will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment(s) to help contain the air bottles when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE STORAGE (DOUBLE)

A quantity of one (1) air bottle compartment, 15.25" wide x 7.75" tall x 26.00" deep, will be provided on the right side rearward of the rear wheels. The triangular door shall cover the double air bottle opening and the fuel tank access.. A painted stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, "W" shaped insert formed of composite materials will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment to help contain the air bottle when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE COMPARTMENT DOOR RESTRAINT

The Each of the air bottle doors so the door locks do not damage the double pan compartment doors adjacent to each air bottle doorair bottle compartment doors will include a cable to prevent the door from hitting another surface. There will be four (4) cables installed.

EXTENSION LADDER

There will be a 24' two-section aluminum Duo-Safety Series 900-A extension ladder provided.

ROOF LADDER

There will be a 14' aluminum Duo-Safety Series 775-A roof ladder provided.

LADDER STORAGE

The ladders and a single backboard will be stored between the water tank and the right side compartments.

The ladders will extend into the pump compartment just to the rear of the water pump discharges.

Backboard dimensions will be 2 X 16 X 72.

The ladder storage area will be enclosed as practical by means of sheet metal to protect the ladders from road dirt. The ladders that extend into the pump house will also be enclosed. A black rubber boot will be provided to enclosed the ladders in the gap between the pump house and the body.

Each ladder will be stored vertically in a separate stainless steel storage trough. Each stainless steel trough will be lined with Dura-Surf nylon slides.

A bright aluminum treadplate enclosure will be provided at the rear of the body to properly contain the ladders This enclosure will extend to the rear of the side body compartments.

The enclosure will also include a vertically hinged smooth aluminum door with a D-handle latch to access the ladders.

FOLDING LADDER

One (1) 10.00' aluminum, Series 585-A, Duo-Safety folding ladder will be installed.

NYLATRON GROUND LADDER SLIDES

1/4" Nylatron friction reducing material will be added to the stainless steel slides of the ground ladder storage rack. The material will be white in color and fastened with countersunk screws.

8' PIKE POLE

There will be one (1) Fire Hooks Unlimited, New York Hook , 8' long roof hook with steel shaft and ram knob end provided.

6 FT PIKE POLE

There will be one (1) Fire Hooks Unlimited, Model RH-6, 6' pike pole(s) with steel shaft and ram knob end provided.

PIKE POLE STORAGE

Aluminum tubing will be used for the storage of two (2) pike poles and will be located ladder storage. If the head of a pike pole can come in contact with a painted surface, a stainless steel scuffplate will be provided. The pike pole tube will be notched to allow a New York style pike pole to fit into the tube.

FILTER LABEL

A label will be provided in the cab that lists all the filters used on the apparatus. The label will include the part number for each filter.

INDICATOR LAMP LABEL

There will be a label provided on the cab door panel, driver's door. The label will provide brief descriptive text for each indicator lamp that may become visible in the driver side gauge cluster. The symbols on the label will match the symbols on the gauge cluster.

FOLDING STEPS FRONT OF BODY

Folding steps will be provided full height on the left side body compartments to provide access to the cargo bed. Steps will be spaced evenly on the sales drawing. Actual quantity may vary due to pump panel interferences but will meet the NFPA required maximum stepping height.

The Trident steps will be bright finished, non-skid with a black tread coating on the stepping surface.

The step will incorporate an LED light to illuminate the stepping surface.

The steps can be used as a hand hold with two openings wide enough for a gloved hand.

REAR FOLDING STEPS

Bright finished, non-skid folding steps with a black tread coating on the stepping surface will be provided at the rear. Each step will incorporate an LED light to illuminate the stepping surface. The steps can be used as a hand hold with two openings wide enough for a gloved hand.

Five (5) additional folding steps will be located (3) steps, only, on PS front bulkhead and (2) on the PS rear inner beavertail opposite the DS rear inner beavertail steps. The step(s) will be black powder coat finished, non-skid, with a black tread coating on the stepping surface. The step(s) can be used as a hand hold with two openings wide enough for a gloved hand.

PUMP COMPARTMENT

The pump compartment will be separate from the hose body and compartments so that each may flex independently of the other. The pump compartment will be constructed of the same material as the body compartmentation.

The pump compartment substructure will be a fabricated assembly of steel tubing, angles and channels which supports both the fire pump and the side running boards.

The pump compartment will be mounted on the chassis frame rails with rubber biscuits in a four point pattern to allow for chassis frame twist.

Pump compartment, pump, plumbing and gauge panels will be removable from the chassis in a single assembly.

PUMP MOUNTING

Pump will be mounted to a substructure which will be mounted to the chassis frame rail using rubber isolators. The mounting will allow chassis frame rails to flex independently without damage to the fire pump.

LEFT SIDE PUMP CONTROL PANEL

All pump controls and gauges will be located at the left (driver's) side of the apparatus and properly identified.

Layout of the pump control panel will be ergonomically efficient and systematically organized.

The pump operator's control panel will be removable in two (2) main sections for ease of maintenance:

The upper section will contain sub panels for the mounting of the pump pressure control device, engine monitoring gauges, electrical switches, and foam controls (if applicable). Sub panels will be removable from the face of the pump panel for ease of maintenance. Below the sub panels will be located all valve controls and line pressure gauges.

The lower section of the panel will contain all inlets, outlets, and drains.

All push/pull valve controls will have 1/4 turn locking control rods with polished chrome plated zinc tee handles. Guides for the push/pull control rods will be chrome plated zinc castings securely mounted to the pump panel. Push/pull valve controls will be capable of locking in any position. The control rods will pull straight out of the panel and will be equipped with universal joints to eliminate binding.

IDENTIFICATION TAGS

The identification tag for each valve control will be recessed in the face of the tee handle.

All discharge outlets will have color coded identification tags, with each discharge having its own unique color. Color coding will include the labeling of the outlet and the drain for each corresponding discharge.

All line pressure gauges will be mounted directly above the corresponding discharge control tee handles and recessed within the same chrome plated casting as the rod guide for quick identification. The gauge and rod guide casting will be removable from the face of the pump panel for ease of maintenance. The casting will be color coded to correspond with the discharge identification tag.

All remaining identification tags will be mounted on the pump panel in chrome plated bezels.

The pump panel on the right (passenger's) side will be removable with lift and turn type fasteners.

Trim rings will be installed around all inlets and outlets.

GUARD

An aluminum treadplate guard will be provided over/around the manual deck gun controls protecting them from damage.

PUMP

Pump will be a Waterous CSU, 2000 gpm single (1) stage midship mounted centrifugal type.

Pump will be the class "A" type.

Pump will deliver the percentage of rated discharge at pressures indicated below:

- 100% of rated capacity at 150 psi net pump pressure.
- 70% of rated capacity at 200 psi net pump pressure.
- 50% of rated capacity at 250 psi net pump pressure.

Pump body will be close-grained gray iron, bronze fitted, and horizontally split in two (2) sections for easy removal of the entire impeller shaft assembly (including wear rings).

Pump will be designed for complete servicing from the bottom of the truck, without disturbing the pump setting or apparatus piping.

Pump case halves will be bolted together on a single horizontal face to minimize a chance of leakage and facilitate ease of reassembly. No end flanges will be used.

Discharge manifold of the pump will be cast as an integral part of the pump body assembly and will provide a minimum of three (3) 3.50" openings for flexibility in providing various discharge outlets for maximum efficiency.

The three (3) 3.50" openings will be located as follows: one (1) outlet to the right of the pump, one (1) outlet to the left of the pump, and one (1) outlet directly on top of the discharge manifold.

Impeller shaft will be stainless steel, accurately ground to size. It will be supported at each end by sealed, anti-friction ball bearings for rigid precise support. Impeller will have flame plated hubs assuring maximum pump life and efficiency despite any presence of abrasive matter in the water supply.

Bearings will be protected from water and sediment by suitable stuffing boxes, flinger rings, and oil seals. No special or sleeve type bearings will be used.

Pump will be equipped with a self-adjusting, maintenance-free, mechanical shaft seal.

The mechanical seal will consist of a flat, highly polished, spring fed carbon ring that rotates with the impeller shaft. The carbon ring will press against a highly polished stainless steel stationary ring that is sealed within the pump body.

In addition, a throttling ring will be pressed into the steel chamber cover, providing a very small clearance around the rotating shaft in the event of a mechanical seal failure. The pump performance will not deteriorate, nor will the pump lose prime, while drafting if the seal fails during pump operation.

Wear rings will be bronze and easily replaceable to restore original pump efficiency and eliminate the need to replace the entire pump casing due to wear.

PUMP TRANSMISSION

The pump transmission will be made of a three (3) piece, aluminum, horizontally split casing. Power transfer to pump will be through a high strength Morse HY-VO silent drive chain. By the use of a chain

rather than gears, 50% of the sprocket will be accepting or transmitting torque, compared to two (2) or three (3) teeth doing all the work.

Drive shafts will be 2.35" diameter hardened and ground alloy steel and supported by ball bearings. The case will be designed to eliminate the need for water cooling.

PUMPING MODE

An interlock system will be provided to ensure that the pump drive system components are properly engaged so that the apparatus can be safely operated. The interlock system will be designed to allow stationary pumping only.

AIR PUMP SHIFT

Pump shift engagement will be made by a two (2) position sliding collar, actuated pneumatically (by air pressure), with a three (3) position air control switch located in the cab. A manual back-up shift control will also be located on the left side pump panel.

Two (2) indicator lights will be provided adjacent to the pump shift inside the cab. One (1) green light will indicate the pump shift has been completed and be labeled "pump engaged". The second green light will indicate when the pump has been engaged, and that the chassis transmission is in pump gear. This indicator light will be labeled "OK to pump".

The pump shift will be interlocked to prevent the pump from being shifted out of gear when the chassis transmission is in gear to meet NFPA requirements.

The pump shift control in the cab will be illuminated to meet NFPA requirements.

TRANSMISSION LOCK-UP

The direct gear transmission lock-up for the fire pump operation will engage automatically when the pump shift control in the cab is activated.

AUXILIARY COOLING SYSTEM

A supplementary heat exchange cooling system will be provided to allow the use of water from the discharge side of the pump for cooling the engine water. The heat exchanger will be a separate unit. It will be installed in the pump or engine compartment with the control located on the pump operator's control panel. The exchanger will be plumbed to the master drain valve.

INTAKE RELIEF VALVE

One (1) Trident Air Max intake relief valve(s) will be installed on the suction side of the pump preset at 125 psig.

The relief valve will have a working range of 50 PSI to 350 PSI.

The outlet will terminate below the frame rails with a 2.50" National Standard hose thread adapter and will have a "do not cap" warning tag.

One (1) adjustable air regulator and pressure indicating gauge will be located on a common bezel on the left side pump panel to control the intake valve(s).

PRESSURE CONTROLLER

A Fire Research Pump Boss Model PBA400 pressure governor will be provided.

A pressure transducer will be installed in the water discharge manifold on the pump.

A pressure transducer will be installed in the inlet manifold on the pump

The display panel will be located at the pump operator's panel.

PRIMING PUMP

The priming pump will be a Trident Emergency Products compressed air powered, high efficiency, multistage venturi based AirPrime System, conforming to standards outlined in the current edition of NFPA 1901.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction.

One (1) priming control will open the priming valve and start the pump primer.

THERMAL RELIEF VALVE

A Hale TRV120-L thermal protection device will be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump when the temperature of the pump water exceeds 120 Degrees F (49 C).

The thermal protection device will include a red warning light and audible alarm. The warning light with a test switch will be mounted on the pump operator panel.

The discharge line will be 3/8 inch diameter tubing plumbed to ground near pump operator's panel.

VALVE OPERATION

The valves swing handle controls at the top mount operator's panel will operate in reverse. Up will be open and down will be closed.

PUMP MANUALS

There will be a total of two (2) pump manuals provided by the pump manufacturer and furnished with the apparatus. The manuals will be provided by the pump manufacturer in the form of two (2) electronic copies. Each manual will cover pump operation, maintenance, and parts.

PLUMBING, STAINLESS STEEL AND HOSE

All inlet and outlet lines will be plumbed with either stainless steel pipe, flexible polypropylene tubing or synthetic rubber hose reinforced with hi-tensile polyester braid. All hose's will be equipped with brass or stainless steel couplings. All stainless steel hard plumbing will be a minimum of a schedule 10 wall thickness.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping will be equipped with victaulic or rubber couplings.

Plumbing manifold bodies will be ductile cast iron or stainless steel.

All piping lines are to be drained through a master drain valve or will be equipped with individual drain valves. All drain lines will be extended with a hose to drain below the chassis frame.

All water carrying gauge lines will be of flexible polypropylene tubing.

All piping, hose and fittings will have a minimum of a 500 PSI hydrodynamic pressure rating.

FOAM SYSTEM PLUMBING

All piping that is in contact with the foam concentrate or foam/water solution will be stainless steel. The fittings will be stainless steel or brass. Cast iron pump manifolds will be allowed.

MAIN PUMP INLETS

A 6.00" pump manifold inlet will be provided on each side of the vehicle. The suction inlets will include removable die cast zinc screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.

SHORT SUCTION TUBE(S)

The suction tube(s) on the water pump will have short suction tube(s) installed to allow for installation of adapters, elbows or intake valves without excessive overhang.

INLET VALVES WITH INTAKE RELIEF VALVE

There will be Two (2) Akron Brass Revolution 7982 (30 degree swivel inlet) manually operated aluminum ball intake valve(s) provided Both sides .

The inlet connection will be 5.0" Storz swivel with a cap and the outlet connection will be 6.0" FNST swivel long handle .

A 12.5" diameter handwheel will be included to operate valve open and close functions. A position indicator will be included to indicate position of the ball.

The ball intake valve will be equipped with an adjustable pressure relief valve. The relief valve will have a working range of 50 PSI to 250 PSI.

A 3/4" bleeder/drain valve will be provided on the ball intake valve to exhaust excess air or water from the valve.

The Intake Valve will be constructed of lightweight, corrosion-resistant, hard-anodized aluminum and stainless steel. To protect against corrosion, the casting will be coated with a powder coat finish and all components on the wet side of the valve will be constructed from stainless steel.

VALVES

All ball valves will be Akron® Brass. The Akron valves will be the 8000 series heavy-duty style with a stainless steel ball and a simple two-seat design. No lubrication or regular maintenance is required on the valve.

Valves will have a **ten (10) year** warranty.

The location of the valve for the one (1) inlet will be recessed behind the pump panel.

INLET CONTROL

The side auxiliary inlet(s) will incorporate a quarter-turn ball valve with the control located at the inlet valve. The valve operating mechanism will indicate the position of the valve.

LEFT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the left side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

RIGHT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the right side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

ADAPTER, INLET

One (1) adapter for the inlet, 2.50" male NST threads converting to 1.50" female NST swivel will be provided with a 1.50" plug and chain.

ANODE, INLET

A pair of sacrificial zinc anodes will be provided in the water pump inlets to protect the pump from corrosion.

INLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each side gated inlet.

The valves will be located behind the panel with a "T" swing style handle control extended to the outside of the panel.

The handles will be chrome plated and provide a visual indication of valve position. The swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

The water discharged by the bleeders will be routed below the chassis frame rails.

TANK TO PUMP

The booster tank will be connected to the intake side of the pump with heavy duty piping and a quarter turn 3.00" full flow line valve with the control remotely located at the operator's panel. The tank to pump line will run straight (no elbows) from the pump into the front face of the water tank and down into the tank sump. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing.

The control on the pump panel will be "in" when the valve is open and "out" when the valve is closed.

A check valve will be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.

TANK REFILL

A 1.50" combination tank refill and pump re-circulation line will be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

DISCHARGE OUTLET CONTROLS

The discharge outlets will incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism will indicate the position of the valve.

If a handwheel control valve is used, the control will be a minimum of a 3.9" diameter stainless steel handwheel with a dial position indicator built in to the center of the handwheel.

SWING CONTROLS

There will be Ten (10) discharge outlets controlled by a vertical swing style control. These controls will be located on the following discharges All discharges.

LEFT SIDE DISCHARGE OUTLETS

There will be One (1) discharge outlet with a 2.50" valve on the left side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

LEFT SIDE OUTLET ELBOWS

The 2.50" discharge outlets located on the left side pump panel will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

RIGHT SIDE DISCHARGE OUTLETS

There will be Two (2) discharge outlets with a 2.50" valve on the right side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

RIGHT SIDE OUTLET ELBOWS

The 2.50" discharge outlets located on the right side pump panel will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

LARGE DIAMETER DISCHARGE OUTLET

There will be a 4.00" discharge outlet with a 3.50" Waterous valve installed on the right side of the apparatus, terminating with a 4.00" (M) National Standard hose thread adapter. This discharge outlet will be actuated with a small handwheel control at the pump operator's control panel.

An indicator will be provided to show when the valve is in the closed position.

LARGE DIAMETER OUTLET ELBOWS

The 4.00" outlet(s) will be furnished with one (1) 4.00" (F) National Standard hose thread x 5.00" Storz elbow adapter with Storz cap.

FRONT DISCHARGE OUTLET

There will be one (1) 1.50" discharge outlet piped to the front of the apparatus and located on the top of the left side of the front bumper.

Plumbing will consist of 2.00" piping and flexible hose with a 2.00" ball valve with control at the pump operator's panel. A fabricated weldment made of stainless steel pipe will be used in the plumbing where appropriate. The piping will terminate with a 1.50" NST with 90 degree stainless steel swivel.

There will be automatic drains provided at all low points of the piping.

REAR DISCHARGE OUTLET

There will be Two (2) discharge outlets piped to the rear of the hose bed, left side, installed so proper clearance is provided for spanner wrenches or adapters. Plumbing will consist of 2.50" piping along with a 2.50" full flow ball valve with the control from the pump operator's panel.

REAR OUTLET ELBOWS

The 2.50" discharge outlets located at the rear of the apparatus will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

DISCHARGE CAPS/ INLET PLUGS

Chrome plated, rocker lug, caps with S/S cables will be furnished for all discharge outlets 1.00" thru 3.00" in size, besides the pre-connected hose outlets.

Chrome plated, rocker lug, plugs with S/S cables will be furnished for all auxiliary inlets 1.00" thru 3.00" in size.

The caps and plugs will incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

OUTLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable with some outlets if deemed appropriate with the application.

The valves will be located behind the panel with a T swing style handle control extended to the outside of the side pump panel.

The handles will be chrome plated and provide a visual indication of valve position.

The T swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

Bleeders will be located at the bottom of the pump panel. They will be properly labeled identifying the discharge they are plumbed in to.

The water discharged by the bleeders will be routed below the chassis frame rails.

REDUCER

There will be three (3) adapters with 2.50" FNST x 1.50" MNST threads and a 1.50" chrome plated cap installed on 1 - 2.5" on driver side and 2 - 2.5" on passenger side.

DELUGE RISER

A 3.00" deluge riser will be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping will be installed securely so no movement develops when the line is charged. The riser will be gated and controlled at the pump operator's panel by a large handwheel control.

DUAL CONTROL

There will be a second large handwheel control installed near the deluge outlet within easy reach of the deluge appliance operator.

TELESCOPIC PIPING

The deluge riser piping will include a 18.00" Task Force Model XG18 Extend-A-Gun extension.

This extension will be telescopic to allow the deluge gun to be raised 18.00" increasing the range of operation.

A position sensor will be provided on the telescopic piping that will activate the "do not move vehicle" light inside the cab when the monitor is in the raised position.

MONITOR

A Task Force Tips Crossfire #XFT-NJ monitor will be properly installed on the deluge riser. This monitor will be painted to match the body .

NOZZLE

A Task Force Tips Master Stream 1250 M-R nozzle will be provided.

The deluge riser Extend-a-Gun will have provisions for direct mounting a Task Force Tips CrossFire monitor.

SPEEDLAYS WITH TRAY

Ahead of the pump enclosure will be three (3) 1.75" speedlay hose beds. Each bed will have a 2.00" preconnect line with a 2.00" quarter-turn ball valve and terminate with a 1.50" National Standard hose thread 90 degree swivel. The swivel will be located at the top of the speedlay compartment to allow easy removal of the hose in either direction.

Individual controls for the speedlays will be at the pump operator's panel.

Each compartment will be capable of carrying bottom to top - 200' 1.75" - 200' 1.75" - 250 - 1.75" top speedlay double jacketed hose with the one (1) compartment located above the other.

A removable tray will be provided for each speedlay hosebed. The speedlay trays will be constructed of black poly to provide a lightweight sturdy tray. Two (2) hand holes will be in the floor and additional hand holes will be provided in the sides for easy removal and installation from the compartment. The floor of the trays will be perforated to allow for drainage and hose drying. The bottom of the speedlay compartments will be lined with stainless steel to allow the tray to slide with ease. Scuffplates will be provided on both sides, at the sides and bottom of each opening to protect the paint.

SPEEDLAY HOSE RESTRAINT

A 2.00" black nylon webbing design restraint will be provided across the ends of speedlay(s) to secure the hose during travel. The webbing assembly is to be attached at the bottom of the speedlay(s) with footman loops as a permanent attachment and is attached at the top outside corners with two (2) seat belt buckles. The female end is permanently attached above the speedlay(s) and the male end attached to the webbing.

There will be a metal bar, to connect the buckles, and an attached web strap, to allow a single pull release.

The color of the release strap will be orange.

SCUFFPLATE, SPEEDLAY WALL

The rear walls and small painted surfaces of the front wall in the speedlay area will be covered with a brushed stainless steel scuffplates.

BOOSTER HOSE REEL

A Hannay electric rewind booster hose reel will be installed in the rear compartment.

The exterior finish of the reel will be painted job color matching the lower body.

Compartment floor will be covered with bright aluminum treadplate.

Roll-up door for this compartment will not interfere with the hose reel.

A polished stainless steel roller and guide assembly will be provided at the rear on each side so the booster hose does not rub against a painted surface.

Discharge control will be provided at the pump operator's panel. Plumbing to the reel will consist of 1.50" Aeroquip hose and a 1.50" valve.

HOSE REEL BLOWOUT

A hose reel blowout will be furnished to blow out any remaining water from the hose reel. The blowout will be piped from the wet tank of the brake system to the hose reel and will be controlled at the pump operator's panel.

Reel motor will be protected from overload with a circuit breaker rated to match the motor.

An electric rewind control switch will be installed adjacent to the reel.

Booster hose, 1.00" diameter and 200 feet, with chrome plated Barway, or equal couplings will be provided.

Working pressure of the booster hose will be a minimum of 800 psi.

Capacity of the hose reel will be 200 feet of 1.00" booster hose.

HOSE REEL BLOWOUT

A hose reel blowout will be furnished to blow out any remaining water from the reel. Blowout will be piped from the wet tank of the brake system to the reel, and will be controlled at the pump operator's panel with a quarter turn valve.

PRESSURE GAUGE

There will be a pressure gauge provided for one (1) hose reel(s). The gauge will be located pump operators panel with the others. The gauge will match the discharge outlet gauges.

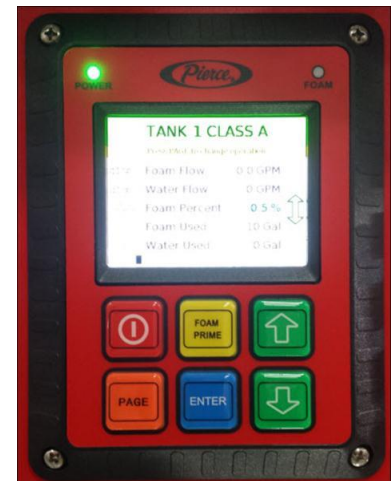
A manual rewind will be provided for the booster hose reel.

An additional polished stainless steel roller and guide assembly will be mounted on each rear body bulkhead two each side on rear body. This roller assembly will be provided to help protect the rear painted surface.

FOAM PROPORTIONER

A Pierce Husky™ 12 foam proportioning system will be provided that is an on demand, automatic proportioning, single point, direct injection system suitable for all types of Class A and B foam concentrates, including the high viscosity (6000 cps), alcohol resistant Class B foams. Operation will be based on direct measurement of water flow, and remain consistent within the specified flows and pressures. The system will automatically balance and proportion foam solution at rates from .1 percent to 9.9 percent regardless of variations in water pressure and flow, up to the maximum rated capacity of the foam concentrate pump.

The design of the system will allow operation from draft, hydrant, or relay operation. This will provide a versatile system to meet the demands at a fire scene.



System Capacity

The system will have the ability to deliver the following minimum foam solution flow rates that meet or exceed NFPA requirements at a pump rating of 250 psi.

200 gpm @ 6 percent

400 gpm @ 3 percent

1200 gpm @ 1 percent

The foam concentrate setting may be adjusted in .1 percent increments from .1 percent to 9.9 percent. Typical settings are .3 percent, .5 percent and 1.0 percent (The maximum capacity will be limited to the plumbing and water pump capacity).

Control System

The system will be equipped with a digital electronic control display located on the pump operators panel. Push button controls will be integrated into the panel to turn the system on/off, control the foam percentage, direct which foam to use on a multi-tank system, and to set the operation modes (automatic, manual, draft, calibration, or flush).

The percent of injection will have presets for Class A or Class B foam. These presets can be changed at the fire department as desired. The percent of injection will be able to be easily changed at the scene to adjust to changing demands.

In order to minimize the use of abbreviations and interpretations, system information will be displayed on the panel by way of .50 tall LEDs that total 14 characters (two (2) lines of seven (7) each). System on and foam pump on indicator lights will also be included. Information displayed will include mode of operation (automatic, manual, draft, calibration, or flush), foam supply selected (Class A or Class B), water total, foam total, foam percentage, remaining gallons, and time remaining.

The control display will direct a microprocessor, which receives input from the systems water flow meter while also monitoring the position of the foam concentrate pump. The microprocessor will compare the values of the water flow versus the position/rate of the foam pump, to ensure the proportion rate is accurate. One (1) check valve will be installed in the plumbing to prevent foam from contaminating the water pump.

Low Level Foam Tank

The control head will display a warning message when the foam tank in use is below a quarter tank.

Hydraulic Drive System

The foam concentrate pump will be powered by a hydraulic drive system, which is automatically activated, whenever the vehicle water pump is engaged. A large parasitic electric load used to power the foam pump can cause an overload of the chassis electrical system.

Hydraulic oil cooler will be provided to automatically prevent overheating of the hydraulic oil, which is detrimental to system components. The oil/water cooler will be designed to allow continuous system operation without allowing hydraulic oil temperature to exceed the oil specifications.

The hydraulic oil reservoir will be of four (4) gallons minimum capacity and will also be of sufficient size to minimize foaming and be located to facilitate checking oil level or adding oil without spillage or the need to remove access panels.

Foam Concentrate Pump

The foam concentrate pump will be of positive displacement, self-priming; linear actuated design, driven by the hydraulic motor. The pump will be constructed of brass body; chrome plated stainless steel shaft, with a stainless steel piston. In order to increase longevity of the pump, no aluminum will be present in its construction.

A relief system will be provided which is designed to protect the drive system components and prevent over pressuring the foam concentrate pump

The foam concentrate pump will have minimum capacity for 12 gpm with all types of foam concentrates with a viscosity at or below 6000 cps including protein, fluoroprotein, AFFF, FFFP, or AR-AFFF. The system will deliver only the amount of foam concentrate flow required, without recirculating foam back to the storage tank. Recirculating foam concentrate back to the storage tank can cause agitation and premature foaming of the concentrate, which can result in system failure. The foam concentrate pump will be self-priming and have the ability to draw foam concentrate from external supplies such as drums or pails.

External Foam Concentrate Connection

An external foam pick-up will be provided to enable use of a foam agent that is not stored on the vehicle. The external foam pick-up will be designed to allow continued operation after the on-board foam tank is empty. The external foam pick-up will be designed to allow use with training foam or colored water for training purposes.

Panel Mounted Strainer / External Pick-Up Connection

A bronze body strainer / connector unit will be provided. The unit will be mounted to the pump panel. The external foam pick-up will be one (1) 1.00" male connection with chrome-plated cap integrated to a 2.00" strainer cleanout cap. A check valve will be installed in the pick-up portion of the cleanout cap. A basket style stainless steel screen will be installed in the body of the strainer / connector unit. Removal of the 2.00" cleanout cap will be all that is required to gain access to and remove the stainless steel basket screen. The strainer / connector unit will be ahead of the foam concentrate pump inlet port to insure that all agents reaching the foam pump has been strained.

Pick-Up Hose

A 1.00" flexible hose with an end for insertion into foam containers will be provided. The hose will be supplied with a 1.00" female swivel NST thread swivel connector. The hose will be shipped loose.

Discharges

The foam system will be plumbed to five (5) discharges. The discharges capable of dispensing foam will be 3 speed lays, front bumper, rear 2.5.

System Electrical Load

The foam proportioning will not impose an electrical load on the vehicle electrical system any greater than five (5) amps at 12VDC.

Foam Supply Valve

An electric valve will be used for the foam supply valve. The foam supply valve will be controlled at the foam system control head for ease of operation. The supply valve will be electric, remote controlled, to eliminate air pockets in the foam tank supply hose.

Maintenance Message

A message will be displayed on the control head to advise when system maintenance needs to be performed. The message will display interval for cleaning the foam strainer, cleaning for the water strainers, and changing the hydraulic oil.

Flush System

The system will be designed such that a flush mode will be provided to allow the system to flush all foam concentrate with clear water. The flush circuit control logic will ensure the foam tank supply valve is closed prior to opening the flush valve. The flush valve will be operated at the foam system control head for ease of operation. The valve will be electrically controlled and located as close to the foam tank supply valve as possible. A manual flush drain valve will be labeled and located under the left side running board.

SINGLE FOAM TANK REFILL

The foam system's proportioning pump will be used to fill the Class A foam tank. This will allow use of the auxiliary foam pick-up to pump the foam from pails or a drum on the ground into the foam tank. A foam shut-off switch will be installed in the fill dome of the tank to shut the system down when the tank is full. The fill operation will be controlled by a mode in the foam system controller stating TANK FILL. While the proportioner pump is filling the tank, the controller will display FILL TANK. When the tank is full, as determined by the float switch in the tank dome, the pump will stop and the controller will display TANK FULL.

FOAM TANK

The foam tank will be an integral portion of the polypropylene water tank. The cell will have a capacity of 30 gallons of foam with the intended use of Class A foam. The foam cell will not reduce the capacity of the water tank. The foam cell will have a screen in the fill dome and a breather in the lid.

FOAM TANK DRAIN

A system of 1.00" foam tank drains will be provided, integrated into the foam systems strainer and tank to foam pump valve management system. The tank to pump hoses running from the tank(s) to the panel mounted strainer will 1.00" diameter. The foam system controller will have a mode that allows for a given foam valve to be opened at will. Flow of foam from the tank valve to the strainer will be usable as a tank drain mode.

An adaptor will be supplied, that allows the 1.00" foam intake screen to assembly to be used as a drain outlet. The standard supplied 1.00" foam pick up hose will be attached to the screen assembly by way of the adapter. The drain mode will allow the operator to open and close the tank valve as required from the control head, to drain foam and re-fill foam containers through the connected hose, without foam spillage beneath the vehicle.

The following drawing(s) will be provided for approval by the customer. The drawing(s) will be made for up One (01) Truck apparatus and/or similar Pierce job number.

PUMP OPERATOR'S PANEL DRAWING

A detailed drawing to scale of the pump operator's panel will be provided for the customer to review. The drawing will include all of the gauges, controls, switching, etc., located on the pump operator's panel. The customer will be allowed to make changes and/or mark-ups to this approval drawing. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved pump operator's panel drawing will become part of the contract documents.

Due to the way drain(s), bleeder(s), operational/maintenance tag(s) and NFPA required warning tag(s) are placed on pump panel(s), these items will NOT be shown on any pump panel approval drawing(s). These item(s) will be placed on pump panel(s) at the fire apparatus manufacturer discretion.

REMAINING PUMP PANEL(S)

Detailed drawing(s) to scale of the remaining pump panel(s) will be provided for the customer to review. The drawing(s) will include all of the gauges, controls, switching, etc., located on the pump panel(s). The customer will be allowed to make changes and/or mark-ups to these approval drawing(s). The fire apparatus manufacturer will make revisions (If needed) to the drawing(s) per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved pump panel drawing(s) will become part of the contract documents.

Due to the way drain(s), bleeder(s), operational/maintenance tag(s) and NFPA required warning tag(s) are placed on pump panel(s), these items will NOT be shown on any pump panel approval drawing(s). These item(s) will be placed on pump panel(s) at the fire apparatus manufacturer discretion.

COLOR CODED TAGS

A detailed drawing/chart of the colors used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the colors will become part of the contract documents.

SPECIAL TEXT/VERBIAGE TAGS

A detailed drawing/chart of the text/verbiage used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the text/verbiage will become part of the contract documents.

PUMP PANEL CONFIGURATION

The pump panel configuration will be arranged and installed in an organized manner that will provide user-friendly operation.

PUMP AND GAUGE PANEL

The pump and gauge panels will be constructed of aluminum with a painted FormCoat black finish. A polished aluminum trim molding will be provided around each panel.

PUMP ACCESS**Right Side Panel**

The right side pump panel will be hinged along the forward edge.

Panel Fastener

The right side hinged panel will be secured using a black raised trigger latch .

The right side lower (drain bank) and all left side panel will be secured using screws.

PUMP COMPARTMENT LIGHT

There will be one (1) Whelen®, Model 3SC0CDCR, 3.00" white 12 volt DC LED light(s) with Whelen, Model 3FLANGEC, flange(s) installed in the pump compartment.

There will be a switch accessible through a door on the pump panel included with this installation.

Engine monitoring graduated LED indicators will be incorporated with the pressure controller.

Also provided at the pump panel will be the following:

- Master Pump Drain Control

THROTTLE READY GREEN INDICATOR LIGHT

There will be a green indicator light integrated with the pressure governor and/or engine throttle installed on the pump operators panel that is activated when the pump is in throttle ready mode.

OK TO PUMP INDICATOR LIGHT

There will be a green indicator light installed on the pump operators panel that is activated when the pump is in Ok To Pump mode.

AIR HORN SWITCH

An air horn control switch will be provided at the pump operator's control panel. This switch will be red and properly labeled. The switch will be located within easy reach of the operator in the electrical switch panel.

DRAINS, LEFT SIDE

The drains on the left side pump panel will be located to keep the area under the main pump inlet clear for customer installed piston intake valve.

RIGHT SIDE DRAINS

The drains on the right side pump panel will be located to keep the area under the main pump inlet clear for customer installed piston intake valve.

VACUUM AND PRESSURE GAUGES

The pump vacuum and pressure gauges will be liquid filled and manufactured by Class 1 Incorporated ©.

The gauges will be a minimum of 6.00" in diameter and will have white faces with black lettering, with a pressure range of 30.00" 0-400 psi.

The pump pressure and vacuum gauges will be installed adjacent to each other at the pump operator's control panel.

The red LED backlight will be activated by the pump in gear interlock circuit.

Test port connections will be provided at the pump operator's panel. One(1) will be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They will have 0.25 in. standard pipe thread connections and polished stainless steel plugs. They will be marked with a label.

PRESSURE GAUGES

Ten (10) individual line pressure gauges for the discharges will be interlube filled and manufactured by Class 1©.

They will be a minimum of 2.50" in diameter and will have white faces with black lettering.

Gauge construction will include a Zytel nylon case with adhesive mounting gasket and threaded retaining nut.

Gauges will have a pressure range of 0-400 psi.

The individual pressure gauge will be installed as close to the outlet control as practical.

The one (1) front discharge, one (1) rear discharge and the three (3) speedlays will have a blue LED backlight and will be activated by the pump in gear interlock circuit.

The remaining five (5) discharges will have a white LED backlight and will be activated by the pump in gear interlock circuit.

WATER LEVEL GAUGE

A Fire Research TankVision Pro model WLA300-A00 water tank indicator gauge will be installed on the pump operators panel. The gauge kit will include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The gauge will show the volume of water in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs will provide for a viewing angle of 180 degrees. The gauge case will be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue label.

The program features will be accessed from the front of the indicator module. The program will support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a data link to connect remote indicators. Low water warnings will include flashing LEDs at 1/4 tank and down chasing LEDs when the tank is almost empty.

The gauge will receive an input signal from an electronic pressure sensor. The sensor will be mounted from the outside of the water tank near the bottom. No probe will be placed on the interior of the tank. Wiring will be weather resistant and have automotive type plug-in connectors.

REMOTE LIGHT DRIVER

A Fire Research TankVision model WLA290-A00 remote light driver will be installed. The driver will provide four (4) separate outputs to control additional water level lights around the apparatus. The lights will show 1/4, 1/2, 3/4, and full tank. When power is applied the driver will run a test and cycle each remote light on and off. When the tank is less than 1/4 full the 1/4 tank light will blink.

WATER LEVEL GAUGE

A water level gauge system will be provided at EACH SIDE, high, rearward of the CREW DOORS. Each will be provided with four (4) Whelen, Model M4*C LED lights with chrome flanges. The total quantity of the water level gauge systems to be provided will be two (2).

The lights will be vertically mounted and indicate the following:

- Top green light with green lens - water level full
- Next blue light with blue lens - water level 3/4 full
- Next amber light with amber lens - water level 1/2 full
- Bottom red light with red lens - water level 1/4 full when solid and will flash when empty.

The above system will function similar to the standard five (5) light at the pump panel.

The lights will be activated parking brake is applied.

FOAM LEVEL GAUGE

An electronic foam level gauge will be provided on the operator's panel that registers foam level by means of five (5) colored LED lights. The lights will be durable, ultra-bright five (5) LED design viewable through 180 degrees. The foam level indicators will be as follows:

- 100 percent = Green
- 75 percent = Yellow
- 50 percent = Yellow
- 25 percent = Yellow
- Refill = Red

The light will flash when the level drops below the given level indicator to provide an eighth of a tank indication. To further alert the pump operator, the lights will flash sequentially when the foam tank is empty.

The level measurement will be based on the sensing of head pressure of the fluid in the tank.

The display will be constructed of a solid plastic material with a chrome plated die cast bezel to reduce vibrations that can cause broken wires and loose electronic components. The encapsulated design will provide complete protection from foam and environmental elements. An industrial pressure transducer

will be mounted to the outside of the tank. The display will be able to be calibrated in the field and will measure head pressure to accurately show the tank level.

STEP/LIGHT SHIELD

There will be an aluminum treadplate stepping surface no less than 8.00" deep and properly reinforced to support a man's weight, installed over the pump operators panel.

- There will be four (4) Fire Research Firefly, part number LED115-Q01, 12 volt DC LED lights installed under the step to illuminate the controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus. These lights will be activated by the pump panel light switch. Additional lights will be included every 18.00" depending on the size of the pump house.
- One (1) pump panel light will come on when the pump is in ok to pump mode.

There will be a light activated above the pump panel light switch when the parking brake is set. This is to afford the operator some illumination when first approaching the control panel.

There will be one (1) white LED step light provided above this step. In order to ensure exceptional illumination, each step light will provide a minimum of 25 foot-candles (fc) covering an entire 15.00" x 15.00" square placed 10.00" below the light and a minimum of 1.5 fc covering an entire 30.00" x 30.00" square at the same 10.00" distance below the light. The step light will be activated by the pump panel light switch.

ADDITIONAL STEP/LIGHT SHIELD

There will be an additional aluminum treadplate stepping surface no less than 8.00" deep and properly reinforced to support a man's weight, installed over the passenger's side pump panel.

- There will be three (3) Fire Research Firefly, part number LED115-Q01, 12 volt DC white LED lights installed under the step to illuminate the controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus. These lights will be activated by a switch on the pump panel.

There will be one (1) white LED, step light provided above the step. In order to ensure exceptional illumination, each step light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light. The step light will be activated by the pump panel light switch.

AIR HORN SYSTEM

Two (2) Hadley®, eTone, chrome air horns will be recessed in the front bumper. The air horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed to prevent the loss of air in the brake system.

Air Horn Location

The air horns will be located on each side of the bumper, towards the outside.

Air Horn Control

The air horn(s) will be activated by the following:

- Steering wheel horn ring with electric/air horn selector switch
- Left side lanyard. The lanyard to be a plastic coated braided cable.
- Right side lanyard. The lanyard to be a plastic coated braided cable.

ELECTRONIC SIREN

There will be two (2) Whelen®, Model: 295SL101, 100 or 200 watt electronic sirens with noise canceling plug-in microphone provided.

The sirens will be located behind the officers seat, facing the engine tunnel.

There will be a total of two (2) switches provided. The switches will be located within reach of the driver and the other within reach of the officer for each siren.

The two (2) switches are to switch the sirens on and off independently from each other.

Each siren will be connected to it's own separate speaker.

Siren head will be mounted behind the passenger's side front seat with the controls facing the engine tunnel.

The electronic siren will be controlled on the siren head only. No horn button or foot switches will be provided.

SPEAKERS

There will be two (2) Whelen®, Model SA315P, black nylon composite, 100-watt, speakers with through bumper mounting brackets and black steel grilles provided. The bezels will be painted black. Each speaker will be connected to the siren amplifier.

The speakers will be recessed in each side of the front bumper, just outside of the frame rails.

AUXILIARY MECHANICAL SIREN

There will be a Federal Signal Model Q2B mechanical siren furnished and installed in the front of the apparatus.

The Q2B will be black chrome finish.

The siren will have a 2-gauge cable connected to a power solenoid that is connected by a 2-gauge cable ran battery direct to the primary chassis batteries and will be labeled Q2B+ at the battery. The power solenoid will only be enabled when the emergency master switch is on.

The siren will have a 2-gauge ground wire connected to the chassis battery stud. The cable will be labeled Q2B- at the battery.

When the chassis battery switch is on, and the emergency master switch is on, the Q2B siren will be activated by the following:

The mechanical siren will be mounted recessed in the front grille. The siren mounting will include a reinforcement plate.

MECHANICAL SIREN CONTROL

The mechanical siren will be activated by the following:

- Left side foot switch.
- Right side push button switch.

A momentary chrome push button switch will be included in the right side dash panel to activate the siren brake.

A momentary red switch will be included in the right side overhead switch panel to activate the siren brake.

INTERLOCK, ELECTRONIC SIREN

The electronic siren will be interlocked to shut off when the parking brake is set.

MECHANICAL SIREN INTERLOCK

The mechanical siren will be interlocked to shutoff whenever parking brake is applied. The interlock will disconnect the power only.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model # FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed Driver's side switch panel.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed D/S pump panel.

INTERFACE PANEL, LIGHTING SYSTEM

There will be one (1) Hiviz®, Model FT-BG2S-UIP-001, user interface panel provided to control the lighting system. The panel will be installed Officer's side switch panel.

FRONT ZONE UPPER WARNING LIGHTS

There will be one (1) 81.00" Whelen Freedom IV LED lightbar mounted on the cab roof.

The lightbar will include the following:

- One (1) red flashing LED module in the left side end position.
- One (1) blue flashing LED module in the left side front corner position.
- One (1) red flashing LED module in the left side first front position.

- One (1) red flashing LED module in the left side second front position.
- One (1) blue flashing LED module in the left side third front position.
- One (1) red flashing LED module in the left side fourth front position.
- One (1) red flashing LED module in the left side fifth front position.
- One (1) white flashing LED module in the left side sixth front position.
- One (1) red flashing LED module in the left side seventh front position.
- One (1) red flashing LED module in the right side seventh front position.
- One (1) white flashing LED module in the right side sixth front position.
- One (1) red flashing LED module in the right side fifth front position.
- One (1) red flashing LED module in the right side fourth front position.
- One (1) blue flashing LED module in the right side third front position.
- One (1) red flashing LED module in the right side second front position.
- One (1) red flashing LED module in the right side first front position.
- One (1) blue flashing LED module in the right side front corner position.
- One (1) red flashing LED module in the right side end position.

There will be clear lenses included on the lightbar.

There will be a switch installed in the cab on the switch panel to control this lightbar.

The two (2) white flashing LED modules will be disabled when the parking brake is applied.

The ten (10) red and blue flashing LED modules in the front, positions two (2) through seven (7), may be load managed when the parking brake is applied.

CAB FACE WARNING LIGHTS

There will be four (4) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning lights installed on the cab face, above the headlights in a housing that matches the headlights per the following:

- The left side outside warning light to include red LEDs.
- The left side inside warning light to include blue LEDs.
- The right side inside warning light to include blue LEDs.
- The right side outside warning light to include red LEDs.
- The warning light lens color(s) to be clear.
- The housing and trim shall be painted black.

The lights will be controlled per the following:

- A switch in the cab, on the switch panel will control the lights.
- White LEDs will be deactivated when the parking brake is applied.
- Amber LEDs will be deactivated when the parking brake is released.
- Amber, blue, green or red LEDs in the inside positions may be load managed when the parking brake is applied.

DAYTIME RUNNING LIGHTS (HEADLIGHTS)

The low-beam headlights used as daytime running lights will be activated with the following measures:

- Ignition switch is turned on
- Parking brake is released

These lights will be deactivated with any one of the following measures:

- Headlight switch is turned on
- High-beam flash is turned on
- Parking brake is set

FRONT WARNING LIGHT

There will be two (2) Whelen®, Model M6*, LED flashing light(s) with Model M6FB, black flange(s) provided below headlight.

The color of the light(s) will be blue.

The color of the lens(es) will be clear.

The light(s) will be activated with the front warning switch.

These light(s) may be load managed if colored or disabled if white when the parking brake is applied.

HEADLIGHT FLASHER

The high beam headlights will flash alternately between the left and right side.

There will be a switch installed in the cab on the switch panel to control the high beam flash. This switch will be live when the battery switch and the emergency master switches are on.

The flashing will automatically cancel when the hi-beam headlight switch is activated or when the parking brake is set.

SIDE ZONE LOWER LIGHTING

There will be six (6) Whelen®, Model M6*C, flashing LED warning lights with black trim installed per the following:

- Two (2) lights, one (1) each side on the bumper extension. The side front lights to be red.
- Two (2) lights, one (1) each side of cab rearward of crew cab doors. The side middle lights to be red.
- Two (2) lights, one (1) each side located between the tandems. The side rear lights to be blue.
- The lights will include clear lenses.

There will be a switch in the cab on the switch panel to control the lights.

INTERIOR CAB DOOR WARNING LIGHTS

There will be four (4) Weldon, Model 8401-0000-20, 16" long x 3/4" High x 5/8" deep amber 12 volt DC LED flashing strip lights provided.

- One (1) light on the left side cab door.
- One (1) light on the right side cab door.
- One (1) light on the right side crew cab door.
- One (1) light on the left side crew cab door.

Each light will be located over the door window..

Each light will be activated when the battery switch is on, respective door is opened and no other controls are on.

Each light will be installed so the flash pattern directs traffic away from the doors.

ELECTRICAL CONNECTORS FOR WARNING LIGHTS

The lights will be installed with an insulated crimped factory butt splice connection.

INTERIOR COMPARTMENT DOOR WARNING LIGHTS

There will be four (4) Whelen®, Model 50*03Z*R, LED warning light(s) with Model 5EFLANGE, chrome flange(s) provided on the compartment doors of the following compartment(s), one on each cab door.

The color of the lights will be amber.

The lens color to be clear.

Each light will be activated by the door jam switch of the associated door.

SIDE WARNING LIGHTS

There will be two (2) Whelen®, Model M9# split color, 6.50" high x 10.37" wide x 1.37" deep flashing warning light(s) with black trim bezel(s) provided one each side, high and rearward, on the rear body side.

The color of the light(s) to be blue to the front and red to the rear.

All of these lights will include a clear lens.

These lights will be activated with the side warning switch.

Any white warning lights will be deactivated when the parking brake is set.

These lights may be load managed when the parking brake is applied.

SIDE WARNING LIGHTS

There will be two (2) Whelen®, Model M9# split color, 6.50" high x 10.37" wide x 1.37" deep flashing warning light(s) with black trim bezel(s) provided one each side, high and forward, at the sides of the rear body.

The color of the light(s) to be red to the front and blue to the rear.

All of these lights will include a clear lens.

These lights will be activated with the side warning switch.

Any white warning lights will be deactivated when the parking brake is set.

These lights may be load managed when the parking brake is applied.

ADDITIONAL SIDE UPPER LIGHTS

There will be six (6) Whelen®, Model M4**, 3.38" high x 5.50" long x 1.38" deep LED surface mount flashing lights with black trim provided on the outside corner radius of the cab roof over the crew cab doors.

The lights will be installed on two (2) painted brackets that are attached to the cab roof.

The left side bracket will include the following:

- driver's side, side front light to include red warning LEDs
- driver's side, side middle light to include blue warning LEDs
- driver's side, side rear light to include red warning LEDs

The right side bracket will include the following:

- passenger's side, side front light to include red warning LEDs
- passenger's side, side middle light to include blue warning LEDs
- passenger's side, side rear light to include red warning LEDs

The color of the lenses will be clear.

There will be a switch in the cab on the switch panel to control the lights.

The lights may be load managed when the parking brake is applied.

REAR ZONE LOWER LIGHTING

There will be two (2) Whelen®, Model M6**C, LED flashing warning lights located at the rear of the apparatus.

- The driver's side rear light to be red
- The passenger's side rear light to be red

Both lights will include a lens that is clear.

There will be a switch located in the cab on the switch panel to control the lights.

REAR WARNING LIGHTS

There will be two (2) Whelen®, Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED warning light(s) with black trim provided at the rear of the apparatus, Up high on rear body bulkhead.

The light(s) to include blue flashing LEDs. The warning light lens color(s) to be clear.

These light(s) will be controlled with the rear upper warning switch.

The light(s) may be load managed when the parking brake is applied.

REAR WARNING LIGHTS

There will be two (2) Whelen®, Model M9*C, LED flashing warning light(s) with bezel(s) provided each side high on rear compartment bulkheads .

The color of these light(s) will be one (1) red light on the left side and one (1) amber light on the right side.

These light(s) will be controlled with the rear upper warning switch.

These light(s) will include a lens that is clear.

REAR/SIDE ZONE UPPER WARNING LIGHTS

There will be two (2) Whelen®, Model L31H*FN, LED warning beacons provided at the rear of the truck, located one (1) each side. There will be a switch located in the cab on the switch panel to control the beacons.

The color of the lights will be red LEDs with both domes clear.

The rear warning lights will be mounted on top of the compartmentation with all wiring totally enclosed. The rear deck lights will be mounted on the beavertails as high as possible.

120 VOLT RECEPTACLE

There will be one (1), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior stainless steel wall plate(s), installed RS EMS Compartment. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be two (2), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior duplex flip up cover(s), installed one on each side of cab transverse compartment. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be one (1), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior stainless steel wall plate(s), installed LS EMS Compartment. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be seven (7), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with an interior duplex flip up cover, installed One in each body compartment up high on the back wall. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline inlet.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

LOOSE EQUIPMENT

The following equipment will be furnished with the completed unit:

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT

The following loose equipment as outlined in NFPA 1901, 2016 edition, section 5.9.3 and 5.9.4 will be provided by the fire department.

- 800 ft (60 m) of 2.50" (65 mm) or larger fire hose.
- 400 ft (120 m) of 1.50" (38 mm), 1.75" (45 mm), or 2.00" (52 mm) fire hose.
- One (1) handline nozzle, 200 gpm (750 L/min) minimum.
- Two (2) handline nozzles, 95 gpm (360 L/min) minimum.

- One (1) smoothbore of combination nozzle with 2.50" shutoff that flows a minimum of 250 gpm.
- One (1) SCBA complying with NFPA 1981 for each assigned seating position, but not fewer than four (4), mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer.
- One (1) spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space(s).
- One (1) first aid kit.
- Four (4) combination spanner wrenches.
- Two (2) hydrant wrenches.
- One (1) double female 2.50" (65 mm) adapter with National Hose threads.
- One (1) double male 2.50" (65 mm) adapter with National Hose threads.
- One (1) rubber mallet, for use on suction hose connections.
- Two (2) salvage covers each a minimum size of 12 ft x 14 ft (3.7 m x 4.3 m).
- One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, *Standard for High Visibility Public Safety Vests*, and have a five-point breakaway feature that includes two (2) at the shoulders, two (2) at the sides, and one (1) at the front.
- Five (5) fluorescent orange traffic cones not less than 28.00" (711 mm) in height, each equipped with a 6.00" (152 mm) retro-reflective white band no more than 4.00" (152 mm) from the top of the cone, and an additional 4.00" (102 mm) retro-reflective white band 2.00" (51 mm) below the 6.00" (152 mm) band.
- Five (5) illuminated warning devices such as highway flares, unless the five (5) fluorescent orange traffic cones have illuminating capabilities.
- One (1) automatic external defibrillator (AED).
- Four (4) ladder belts meeting the requirements of NFPA 1983, *Standard on Fire Service Life Safety Rope and System Components* (if equipped with an aerial device).
- If the supply hose carried does not use sexless couplings, an additional double female adapter and double male adapter, sized to fit the supply hose carried, will be carried mounted in brackets fastened to the apparatus.
- If none of the pump intakes are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side will be carried. Any intake connection larger than 3.00" (75 mm) will include a pressure relief device that meets the requirements of 16.6.6.
- If the apparatus does not have a 2.50" National Hose (NH) intake, an adapter from 2.50" NH female to a pump intake will be carried, mounted in a bracket fastened to the apparatus if not already mounted directly to the intake.
- If the supply hose carried has other than 2.50" National Hose (NH) threads, adapters will be carried to allow feeding the supply hose from a 2.50" NH thread male discharge and to allow the hose to connect to a 2.50" NH female intake, mounted in brackets fastened to the apparatus if not already mounted directly to the discharge or intake.

SOFT SUCTION HOSE

There will be no soft suction hose provided.

- One (1) extinguisher, 10 pound, CO2

DRY CHEMICAL EXTINGUISHER

There will be One (1) extinguisher, 20 lb dry chemical extinguisher(s) provided.

WATER EXTINGUISHER

Two (2) extinguishers,, 2.50 gallon pressurized water, will be provided.

FLATHEAD AXE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, Section 5.9.4 requires one (1) flathead axe mounted in a bracket fastened to the apparatus.

The axe is not on the apparatus as manufactured. The fire department will provide and mount the axe.

PICKHEAD AXE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, Section 5.9.4 requires one (1) pickhead axe mounted in a bracket fastened to the apparatus.

The axe is not on the apparatus as manufactured. The fire department will provide and mount the axe.

PAINT PROCESS

The exterior custom cab and body painting procedure will consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Imperfections on the exterior surfaces will be removed and sanded to a smooth finish. Exterior seams will be sealed before painting. Exterior surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.
2. Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion.
3. Surfacer Primer - The Surfacer Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surfacer Primer is applied to surfaces that require a Critical aesthetic finish. The Surfacer Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
4. Finish Sanding - The Surfacer Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.

5. Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surfacer Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when topcoated.
6. Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
7. Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacturer.

After the cab and body are painted, the color will be verified to make sure that it matches the color standard. Electronic color measuring equipment will be used to compare the color sample to the color standard entered into the computer. Color specifications will be used to determine the color match. A Delta E reading will be used to determine a good color match within each family color.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and painted separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.

The paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) are to meet or exceed Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels are to meet or exceed the #6 A.C.T. standard in critical areas. The manufacture's written paint standards will be available upon request.

Environmental Impact

Contractor will meet or exceed all current state regulations concerning paint operations. Pollution control will include measures to protect the atmosphere, water and soil. Controls will include the following conditions:

- Topcoats and primers will be chrome and lead free.
- Metal treatment chemicals will be chrome free. The wastewater generated in the metal treatment process will be treated on-site to remove any other heavy metals.
- Particulate emission collection from sanding operations will have a 99.99 percent efficiency factor.
- Particulate emissions from painting operations will be collected by a dry filter or water wash process. If the dry filter is used, it will have an efficiency rating of 98 percent. Water wash systems will be 99.97 percent efficient
- Water from water wash booths will be reused. Solids will be removed on a continual basis to keep the water clean.
- Paint wastes are disposed of in an environmentally safe manner.
- Empty metal paint containers will be recycled to recover the metal.
- Solvents used in clean-up operations will be recycled on-site or sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus will not be manufactured with or contain products that have ozone depleting substances. Contractor will, upon demand, present evidence that the manufacturing facility meets the above conditions and that it is in compliance with his state EPA rules and regulations.

CAB TWO-TONE PAINT

The cab will be painted two-tone, with the upper section painted #479 charcoal metallic and the lower section painted #90 red. There will be a special cab paint break designed and shown on the lettering and striping print.

There will be a special cab shield designed and shown on the lettering and striping print.

BODY PAINT

The body will be painted to match the lower section of the cab.

PAINT/SEAL CHASSIS FRAME ASSEMBLY

The following components will be treated with epoxy E-coat protection prior to finish paint:

- Two (2) C-channel frame rails
- Two (2) frame liners

The E-coat process will meet the technical properties shown.

Before the frame rails are finish painted, all areas will be sealed with a 3M 2084 metal sealant after the components are torqued to the frame rails:

- The joint between the main frame and the liner
- The joint between all crossmembers and the frame
- The joint between all spring hangers and the frame.

The chassis frame assembly will be finished with a single system black top coat before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc.

Components that are included with the chassis frame assembly that will be finish painted are:

- Frame rails
- Frame liners
- Cross members
- Axles
- Suspensions
- Steering gear
- Battery boxes
- Bumper extension weldment
- Frame extensions

FILM TECHNICAL PROPERTIES		
PROPERTY	TEST METHOD	PERFORMANCE
Color	-	Black
Film Thickness	-	0.5 - 1.5 Mils
Gloss - 60 Degree	ASTM D523	65 - 85
Pencil Hardness	ASTM D3363	2H Minimum
Direct Impact	ASTM D2794	100 in. - lbs. Minimum
Reverse Impact	ASTM D2794	60 in. - lbs. Minimum
Crosshatch Adhesion	ASTM D3359	4B - 5B
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Gravelometer	GM9508P	6 Minimum
Throwpower	GM9535P	12 - 15 in.
<small>Cold rolled steel lab panels, Zinc Phosphate pretreatment, 0.6 mils average film thickness, cured 20 minutes @ 350°F.</small>		
PROPERTY	SUBSTRATE PRETREATMENT	SALT SPRAY* 1000 HOURS
Corrosion Resistance	CRS / Zinc Phos / Non-Chrome	1 - 2 mm
<small>*Salt Spray - ASTM B117, cold rolled steel lab panels cured 20 minutes @ 350°F. (Average Total Scribe Creep)</small>		

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

- Body mounting angles
- Rear Body support substructure (front and rear)
- Pump house substructure
- Air tanks
- Steel fuel tank
- Castings
- Individual piece parts used in chassis and body assembly

After the chassis frame assembly is finish painted, the following non-torqued joints will be sealed with a SG-510A rust-proofing compound:

- All bolted on chassis components that could be vulnerable to rust, i.e. body mounting angles, air tanks, etc.

To summarize, all metal to metal contact components that are prone to rust, will be protected.

AXLE HUB PAINT

All axle hubs will be painted black #101.

PAINTED RAIN DRIP

The cab roof rain drip will be painted to match the cab roof paint color.

TRANSIT COATING

All non-painted metal surfaces on the exterior of the vehicle will be sprayed with a corrosion protective coating provided by Carwell. The coating can be removed with soap and water. The coating is made of a linseed oil base and is biodegradable.

The underside non-painted metal surfaces will also be coated with a corrosion protective coating.

COMPARTMENT INTERIOR FINISH

The interior of the compartments will be dual action finished and not painted.

REFLECTIVE STRIPES

A 10.00" wide reflective stripe, (no spacing between stripes), will be provided across the front of the vehicle and along the sides of the body. The reflective band will consist of:

- 1.00" black Stripe
- 1.00" black Stripe
- 6.00" black Stripe
- 1.00" Black Stripe
- 1.00" Black Stripe.

The reflective band provided on the cab face will be below the headlights on the fiberglass.

REAR CHEVRON STRIPING

There will be alternating chevron striping located on the rear-facing vertical surface of the apparatus. The rear surface, excluding the rear compartment door, will be covered.

The colors will be Yellow V98-18 and Red V98-12 oralite.

Each stripe will be 6.00" in width.

This will meet the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface will be covered with chevron striping.

CHEVRON, INVERTED "V" STRIPING ON CAB AND CREW CAB DOORS

There will be alternating chevron striping located on the inside of each cab and crew cab door in an arrow shape pattern.

The colors will be V98 Solid Red and V98 Fluorescent Lime Oralite material.

Each stripe will be 4.00" in width.

CAB STRIPE

There will be a reflective stripe provided on both sides of the cab in place of the chrome molding.

CAB STRIPE

There will be a genuine gold leaf stripe on each side of the cab, low and over the fender.

CAB FACE STRIPE

There will be a genuine gold leaf striped corner on each front corner of the cab.

LETTERING

The lettering will be totally encapsulated between two (2) layers of clear vinyl.

LETTERING

Sixty-one (61) to eighty (80) genuine gold leaf lettering, 3.00" high, with outline and shade will be provided.

BODY STRIPE

There will be a genuine gold leaf stripe provided on each side of the body, low and over the fender along the bottom of the compartment doors.

LETTERING

Forty-one (41) to sixty (60) reflective lettering, 11.00" high, with outline and shade will be provided.

LETTERING

Twenty-one (21) to forty (40) reflective lettering, 12.00" high, with outline and shade will be provided.

LETTERING

There will be reflective lettering, 12.00" high, with outline and shade provided. There will be five (5) letters provided.

LETTERING

Twenty-one (21) to forty (40) reflective lettering, 7.00" high, with outline and shade will be provided.

LETTERING

There will be reflective lettering, 6.00" high, with outline and shade provided. There will be ten (10) letters provided.

LETTERING

Twenty-one (21) to forty (40) genuine gold leaf lettering, 11.00" high, with outline and shade will be provided.

LETTERING

Sixty-one (61) to eighty (80) genuine gold leaf lettering, 1.00" high, with outline and shade will be provided.

LETTERING

One (1) to twenty (20) reflective lettering, 10.00" high, with outline and shade will be provided.

LETTERING

One hundred forty-one (141) to one hundred sixty (160) reflective lettering, 4.00" high, with outline and shade will be provided.

EMBLEM

There will be a total of one (1) 24.00" high reflective emblem(s) installed r1 door.

EAGLE HOSE NUMBER 3 EMBLEM

A pair of emblems, up to 13.00" in diameter, featuring a flying American flag and an eagle holding a fire hose, all within a gold leaf circle, will be installed d2 and p2. Black lettering with the saying, "Over 100 years of dedicated service", will be within the gold leaf circle. The design will be color imaged.

ARTWORK ON CUSTOM USB DRIVE

There will be a custom USB drive with department specific artwork files provided to the Fire Department.

Stock artwork, or artwork developed exclusively by Pierce Manufacturing, and proprietary fonts will not be included on the USB drive.

EMBLEM

There will be four (4) vinyl emblem(s), approximately 28.00"-30.00" in size, installed TBD BY CUSTOMER. the emblem will be modeled after the department submitted information (art, patch, etc).

EMBLEM

There will be four (4) reflective emblem(s), approximately 14.00" - 16.00" in size, installed crew cab door and 2 shipped loose. the emblem will be modeled after the department submitted information (art, patch, etc).

E-COATING OF STEEL COMPONENTS

The following components will be treated with an epoxy E-coat to provide resistance to corrosion and chemicals:

- Cross members
- TAK-4® weldments (side plates and side plate interconnecting structure members) (if applicable)
- Torsion bar anchor weldments (if applicable)
- Battery boxes
- Bumper extension weldment
- Frame extensions
- Body mounting angles
- Rear body support weldment
- Under body support weldments (front and rear)
- Pump house substructure (walkway if applicable)

The following components will not be e-coated:

- Air tanks
- Fuel tank
- Castings
- Individual piece parts used in chassis and body assembly

The e-coated parts will have a black top coat as well to provide an additional layer of protection and provide a consistent finish.

E-COATING OF WATER TANK CRADLE

The water tank cradle will be treated with an epoxy E-coat to provide resistance to corrosion and chemicals. The e-coated cradle will have a black top coat as well to provide an additional layer of protection and provide a consistent finish.

UNDERCOATING, CAB & BODY

The apparatus will be properly treated by an authorized Ziebart dealer.

The underside of the apparatus will be undercoated with an asphalt petroleum based material, dark in color.

The undercoating material utilized on the apparatus will be formulated to resist corrosion and deaden unwanted sound or road noise.

Coating texture will appear firm, flexible, and resistant to abrasion. Minimum dry film thickness will be in the range of 8.00 to 12.00 mils.

The material will be applied to the following areas:

Body and cab wheel well fender liners, on the back side only.

Underside of body and cab sheet metal, and structural components.

Underside and vertical sides of all sheet metal compartmentation, including support angles.

Structural support members under running boards, rear platforms, battery boxes, walkways, etc.

Inside surfaces of the pump heat enclosure, (when installed).

FIRE APPARATUS PARTS MANUAL

There will be one (1) custom parts manual(s) in USB flash drive format for the complete fire apparatus provided.

The manual(s) will contain the following:

- Job number
- Part numbers with full descriptions
- Table of contents
- Parts section sorted in functional groups reflecting a major system, component, or assembly
- Parts section sorted in alphabetical order
- Instructions on how to locate parts

Each manual will be specifically written for the chassis and body model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

Service Parts Internet Site

The service parts information included in these manuals are also available on the Pierce website. The website offers additional functions and features not contained in this manual, such as digital photographs and line drawings of select items. The website also features electronic search tools to assist in locating parts quickly.

CHASSIS SERVICE MANUALS

There will be one (1) chassis service manuals on USB flash drives containing parts and service information on major components provided with the completed unit.

The manual will contain the following sections:

- Job number
- Table of contents
- Troubleshooting
- Front Axle/Suspension
- Brakes
- Engine
- Tires
- Wheels
- Cab
- Electrical, DC
- Air Systems

- Plumbing
- Appendix

The manual will be specifically written for the chassis model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

CHASSIS OPERATION MANUAL

The chassis operation manual will be provided on one (1) USB flash drive.

ONE (1) YEAR MATERIAL AND WORKMANSHIP

A Pierce basic apparatus limited warranty certificate, WA0008, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce custom chassis limited warranty certificate, WA0284, is included with this proposal.

ENGINE WARRANTY

A Cummins **five (5) year** limited engine warranty will be provided. A limited warranty certificate, WA0181, is included with this proposal.

STEERING GEAR WARRANTY

A Sheppard **three (3) year** limited steering gear warranty will be provided. A copy of the warranty certificate will be submitted with the bid package.

FIFTY (50) YEAR STRUCTURAL INTEGRITY

The Pierce custom chassis frame and crossmembers limited warranty certificate, WA0038, is included with this proposal.

FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

The Pierce TAK-4 suspension limited warranty certificate, WA0050, is included with this proposal.

SINGLE REAR AXLE FIVE (5) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor™ Axle 5 year limited warranty will be provided.

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor Wabco™ ABS brake system limited warranty certificate, WA0232, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce custom cab limited warranty certificate, WA0012, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce cab limited pro-rated paint warranty certificate, WA0055, is included with this proposal.

FIVE (5) YEAR MATERIAL AND WORKMANSHIP

The Pierce Command Zone electronics limited warranty certificate, WA0014, is included with this proposal.

COMPARTMENT LIGHT WARRANTY

The Pierce 12 volt DC LED strip lights limited warranty certificate, WA0203, is included with this proposal.

TRANSMISSION WARRANTY

The transmission will have a **five (5) year/unlimited mileage** warranty covering 100 percent parts and labor. The warranty will be provided by Allison Transmission.

Note: The transmission cooler is not covered under any extended warranty you may be getting on your Allison Transmission. Please review your Allison Transmission warranty for coverage limitations.

TRANSMISSION COOLER WARRANTY

The transmission cooler will carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty will also be in effect for the first three (3) years of the warranty coverage and will not exceed \$10,000 per occurrence. A copy of the warranty certificate will be submitted with the bid package.

WATER TANK WARRANTY

A UPF poly water tank limited warranty certificate, WA0195, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce apparatus body limited warranty certificate, WA0009, is included with this proposal.

PUMP WARRANTY

The Waterous pump will be provided with a Seven (7) year material and workmanship limited warranty.

A copy of the warranty certificate will be submitted with the bid package (no exception).

TEN (10) YEAR PUMP PLUMBING WARRANTY

The Pierce apparatus plumbing limited warranty certificate, WA0035, is included with this proposal.

FOAM SYSTEM WARRANTY

The Husky 12 foam system limited warranty certificate, WA0231, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce body limited pro-rated paint warranty certificate, WA0057, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce Goldstar gold leaf lamination limited warranty limited warranty certificate, WA0018, is included with this proposal.

VEHICLE STABILITY CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the apparatus complies with NFPA 1901, current edition, section 4.13, Vehicle Stability. The certification will be provided at the time of bid.

ENGINE INSTALLATION CERTIFICATION

The fire apparatus manufacturer will provide a certification, along with a letter from the engine manufacturer stating they approve of the engine installation in the bidder's chassis. The certification will be provided at the time of delivery.

POWER STEERING CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the power steering system as installed meets the requirements of the component supplier. The certification will be provided at the time of bid.

CAB INTEGRITY CERTIFICATION

The fire apparatus manufacturer will provide a cab integrity certification with this proposal. The certification will state that the cab has been tested and certified by an independent third-party test facility. Testing events will be documented with photographs, real-time and high-speed video, vehicle accelerometers, cart accelerometers, and a laser speed trap. The fire apparatus manufacturer will provide a state-licensed professional engineer to witness and certify all testing events. Testing will meet or exceed the requirements below:

- European Occupant Protection Standard ECE Regulation No.29.
- SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks.
- SAE J2420 COE Frontal Strength Evaluation - Dynamic Loading Heavy Trucks.

Roof Crush

The cab will be subjected to a roof crush force of 22,050 lb. This value meets the ECE 29 criteria and is equivalent to the front axle rating up to a maximum of 10 metric tons.

Additional Roof Crush

The same cab will be subjected to a roof crush force of 100,000 lbs. This value exceeds the ECE 29 criteria by nearly 4.5 times.

Side Impact

The same cab will be subjected to dynamic preload where a 13,275 lb moving barrier slams into the side of the cab at 5.5 mph at a force of 13,000 ft-lbs. This test is part of the SAE J2422 test procedure and more closely represents the forces a cab will see in a rollover incident.

Frontal Impact

The same cab will withstand a frontal impact of 32,600 ft-lbs of force using a moving barrier in accordance with SAE J2420.

Additional Frontal Impact

The same cab will withstand a frontal impact of 65,200 ft-lbs of force using a moving barrier, (twice the force required by SAE J2420).

The same cab will withstand all tests without any measurable intrusion into the survival space of the occupant area.

CAB DOOR DURABILITY CERTIFICATION

Robust cab doors help protect occupants. Cab doors will survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder will certify that the sample doors similar to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.

WINDSHIELD WIPER DURABILITY CERTIFICATION

Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers will survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 *Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles*. The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.

ELECTRIC WINDOW DURABILITY CERTIFICATION

Cab window roll-up systems can cause maintenance problems if not designed for long service life. The window regulator design will complete 30,000 complete up-down cycles and still function normally when finished. The bidder will certify that sample doors and windows similar to those provided on the apparatus have been tested and have met these criteria without malfunction or significant component wear.

SEAT BELT ANCHOR STRENGTH

Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design will withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder will certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design will be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder will certify that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

PERFORMANCE CERTIFICATIONS**Cab Air Conditioning**

Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system will cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 78 degrees Fahrenheit in 30 minutes. The bidder will certify that a substantially similar cab has been tested and has met these criteria.

Cab Defroster

Visibility during inclement weather is essential to safe apparatus performance. The defroster system will clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure And Performance Requirements - Trucks, Buses, And Multipurpose Vehicles. The bidder will certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.

Cab Auxiliary Heater

Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. An auxiliary cab heater will warm the cab 77 degrees Fahrenheit from a cold-soak, within 30 minutes when tested using the coolant supply methods found in SAE J381. The bidder will certify, at time of delivery, that a substantially similar cab has been tested and has met these criteria.

AMP DRAW REPORT

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

- Documentation of the electrical system performance tests.
- A written load analysis, which will include the following:
 - The nameplate rating of the alternator.
 - The alternator rating under the conditions specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - The minimum continuous load of each component that is specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

Siddons Martin Emergency Group, LLC
 3500 Shelby Lane
 Denton, TX 76207
 GDN P115891
 TXDOT MVD No. A115890

September 2, 2022

Mark Bitz, Fire Chief
 JERSEY VILLAGE FIRE DEPARTMENT
 16501 JERSEY DR
 JERSEY VILLAGE, TX 77040



CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

Proposal For: 2022 - Jersey Village - 100' AAT and Pumper

Siddons-Martin Emergency Group, LLC is pleased to provide the following proposal to JERSEY VILLAGE FIRE DEPARTMENT. Unit will comply with all specifications attached and made a part of this proposal. Total price includes delivery FOB JERSEY VILLAGE FIRE DEPARTMENT and training on operation and use of the apparatus.

Description	Amount
Qty. 1 - 1075 - Pierce-Custom Velocity Aerial, HD Ladder 100', Mid-Mount	
(Unit Price - \$2,167,222.00)	
Delivery within 30 months to 36 months of order date	
QUOTE # - SMEG-0004298-1	
Vehicle Price	\$2,167,222.00
Budget for Changes	\$20,000.00
2018 - Spartan - SVI Rescue	(\$414,000.00)
2003 - Pierce - Velocity Pumper	(\$37,000.00)
2009 - Pierce - Velocity Pumper	(\$125,000.00)
1075 - UNIT TOTAL	\$1,611,222.00
Qty. 1 - 1223 - Pierce-Custom Velocity Pumper, 2nd Gen	
(Unit Price - \$1,136,120.00)	
Delivery within 30 months to 36 months of order date	
QUOTE # - SMEG-0004435-1	
Vehicle Price	\$1,136,120.00
Budget for Changes	\$10,000.00
1223 - UNIT TOTAL	\$1,146,120.00
SUB TOTAL	\$2,757,342.00
HGAC FS12-19 (FIRE)	\$2,000.00
TOTAL	\$2,759,342.00

Price guaranteed until 10/28/2022

Taxes: Tax is not included in this proposal. In the event that the purchasing organization is not exempt from sales tax or any other applicable taxes and/or the proposed apparatus does not qualify for exempt status, it is the duty of the purchasing organization to pay any and all taxes due. Balance of sale price is due upon acceptance of the apparatus at the factory.

Late Fee: A late fee of .033% of the sale price will be charged per day for overdue payments beginning ten (10) days after the payment is due for the first 30 days. The late fee increases to .044% per day until the payment is received. In the event a prepayment is received after the due date, the discount will be reduced by the same percentages above increasing the cost of the apparatus.

Cancellation: In the event this proposal is accepted and a purchase order is issued then cancelled or terminated by Customer before completion, Siddons-Martin Emergency Group may charge a cancellation fee. The following charge schedule based on costs incurred may be applied:

- (A) 10% of the Purchase Price after order is accepted and entered by Manufacturer;
- (B) 20% of the Purchase Price after completion of the approval drawings;
- (C) 30% of the Purchase Price upon any material requisition.

The cancellation fee will increase accordingly as costs are incurred as the order progresses through engineering and into manufacturing. Siddons-Martin Emergency Group endeavors to mitigate any such costs through the sale of such product to another purchaser; however, the customer shall remain liable for the difference between the purchase price and, if applicable, the sale price obtained by Siddons-Martin Emergency Group upon sale of the product to another purchaser, plus any costs incurred by Siddons-Martin to conduct such sale.

Acceptance: In an effort to ensure the above stated terms and conditions are understood and adhered to, Siddons-Martin Emergency Group, LLC requires an authorized individual from the purchasing organization sign and date this proposal and include it with any purchase order. Upon signing of this proposal, the terms and conditions stated herein will be considered binding and accepted by the Customer. The terms and acceptance of this proposal will be governed by the laws of the state of Texas. No additional terms or conditions will be binding upon Siddons-Martin Emergency Group, LLC unless agreed to in writing and signed by a duly authorized officer of Siddons-Martin Emergency Group, LLC.

Sincerely,



William Topf

I, _____, the authorized representative of JERSEY VILLAGE FIRE DEPARTMENT, agree to purchase the proposed and agree to the terms of this proposal and the specifications attached hereto.

Signature & Date

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

H. MAYOR AND COUNCIL COMMENTS

Pursuant to Texas Government Code § 551.0415, City Council Members and City staff may make a reports about items of community interest during a meeting of the governing body without having given notice of the report. Items of community interest include:

- Expressions of thanks, congratulations, or condolence;
- Information regarding holiday schedules;
- An honorary or salutory recognition of a public official, public employee, or other citizen, except that a discussion regarding a change in the status of a person's public office or public employment is not an honorary or salutory recognition for purposes of this subdivision;
- A reminder about an upcoming event organized or sponsored by the governing body;
- Information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; and
- Announcements involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

I. RECESS THE REGULAR SESSION

Recess the Regular Session to Convene into Executive Session pursuant to the Texas Open Meetings Act, Government Code Section 551.074 – Personnel Matters.

J. EXECUTIVE SESSION

1. Pursuant to the Texas Open Meeting Act Section 551.072 Deliberations about Real Property, and Section 551.071 Consultations with Attorney, a closed meeting to deliberate the potential and possible sale, exchange or value of real property, located within TIRZ 3. *Austin Bless, City Manager*
2. Pursuant to the Texas Open Meetings Act Section 551.074 - Personnel Matters, conduct an Executive Session in order to deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of the City Secretary. *City Council*
3. Pursuant to the Texas Open Meetings Act Section 551.074 - Personnel Matters, conduct an Executive Session in order to deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of the City Manager. *City Council*

K. ADJOURN EXECUTIVE SESSION

Adjourn the Executive Session, stating the date and time the Executive Session ended and Reconvene the Regular Session.

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: L1

AGENDA SUBJECT: Discuss and take appropriate action regarding items discussed in closed session regarding the potential and possible sale, exchange or value of real property, located within TIRZ 3.

Department/Prepared By: Austin Bless, CM **Date Submitted:** September 6, 2022

EXHIBITS:

BUDGETARY IMPACT:	Required Expenditure:	\$
	Amount Budgeted:	\$
	Appropriation Required:	\$

CITY MANAGER APPROVAL:

BACKGROUND INFORMATION:

This item is to take any action necessary after the Executive Session.

RECOMMENDED ACTION:
MOTION:

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: L2

AGENDA SUBJECT: Consider setting the City Secretary's compensation for budget year 2022-2023

Dept./Prepared By: Lorri Coody, City Secretary **Date Submitted:** August 25, 2022

EXHIBITS:

BUDGETARY IMPACT:	Required Expenditure:	\$
	Amount Budgeted:	\$
	Appropriation Required:	\$

CITY MANAGER APPROVAL:

BACKGROUND INFORMATION:

After conducting the City Secretary's Evaluation in Executive Session, this item is to set the City Secretary's compensation for budget year 2022-2023.

Should City Council desire to increase the City Secretary's compensation, a suggested motion is provided below.

RECOMMENDED ACTION:

MOTION: I move to set the City Secretary's base salary compensation for budget year 2022-2023 at _____.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022

**CITY COUNCIL
CITY OF JERSEY VILLAGE, TEXAS
AGENDA REQUEST**

AGENDA DATE: September 12, 2022

AGENDA ITEM: L3

AGENDA SUBJECT: Consider setting the City Manager's compensation for budget year 2022-2023 and consider employment agreement amendments.

Dept./Prepared By: Lorri Coody, City Secretary **Date Submitted:** August 25, 2022

EXHIBITS:

BUDGETARY IMPACT:	Required Expenditure:	\$
	Amount Budgeted:	\$
	Appropriation Required:	\$

CITY MANAGER APPROVAL:

BACKGROUND INFORMATION:

After conducting the City Manager's Evaluation in Executive Session, this item is to set the percent by which the City Manager's salary shall be increased for budget year 2022-2023.

Should City Council desire to increase the City Manager's salary, a suggested motion is provided below.

RECOMMENDED ACTION:

MOTION: I move to increase the City Manager's base salary compensation for budget year 2022-2023 to _____ and approve the employment agreement amendments discussed in executive session.

CITY COUNCIL MEETING PACKET FOR THE MEETING TO BE HELD ON SEPTEMBER 12, 2022