JAMES BURGESS
Mayor
RITA BISHOP
Mayor Pro Tem/
Councilmember Place 1
TONY BOVINICH
Councilmember Place 2

JESSICA KUYKENDALL
Councilmember Place 3
GERONIMO HERNANDEZ
Councilmember Place 4
DREW WILSON
Councilmember Place 5

VENUS REGULAR COUNCIL MEETING

Venus Civic Center
210 S. Walnut Street
Venus, Texas 76084
Monday, March 13, 2023 7:00 PM

Page

1. Call to Order, Roll Call, Invocation, Pledge of Allegiance:

2. Announcements from Mayor:

Cell phones are to be turned off or placed on vibrate/silent only. No conversation or comment from the audience is permitted unless specifically called upon by the Mayor. Please remain respectfully quiet.

3. Citizen Public Comment Period:

Citizens may sign up before the meeting begins and will be allowed up to 3 minutes to address the Mayor and Council. The Mayor, Council members and staff members may not respond or converse with speakers during this time. The comments from the speaker must be in the form of a statement. By State law, no questions may be asked or answered for items not appearing on the agenda.

4. Consent Agenda:

All matters listed under consent agenda have been previously discussed, require little or no deliberation, or are routine by the council. If discussion is desired, then an item will be removed from the consent agenda and considered separately. Otherwise, approval of the consent agenda authorizes the City Administrator to implement each item in accordance with staff's recommendation.

Consent Action

4.1. Approval of meeting minutes for City Council regular meeting on February 13, 2023.

4.2. Ratifying the payment of bills for the month of February 2023. 6 - 116

AP Council Report - 6686.pdf Feb 23 Credit Card Charges.pdf

RG REVENUE & EXPENSE REPORT - 6684.pdf

I make a motion to approve/deny the consent agenda as presented.

5. Staff Reports, Presentations and Proclamations:

5.1. Fire Department - Richard Allen: Presentation of 2022 Racial Profiling Report. 117 - 124

2022 Racial Profiling Analysis Report.pdf 2022 Racial Profiling Report.pdf

5.2. City Administration- Tonya Roberts: City wide report for February 2023. 125 - 130

March 2023 Report to Council.pdf

6. Discussion & Action Items:

6.1. Discuss and consider amending the Venus Community Service Development Corporation Bylaws. 131 - 136

Type B Bylaws.pdf

I make a motion to approve/deny amending the Venus Community Service Development Corporation Bylaws.

6.2. Discuss and consider the process of adopting a Home Rule Charter.

I make a motion to approve/deny the process of adopting a Home Rule Charter.

6.3. Discuss and consider appointing a Charter Commission.

I make a motion to approve/deny appointing a Charter Commission.

6.4. Discuss and possible action to remove City Council member Place 1, Texas Local Government Code Title 2. Chapter 22. Sec. 22.008 b.

I make a motion to _____.

6.5. Discuss and consider a total rehab of the City's portion of CR 620.

I make a motion to approve/deny _____.

6.6. Discuss and consider directing staff to prepare a resolution declaring the Mayor incompetent as that term is defined by Local Government Code Section 21.022.

I make a motion to approve/deny _____.

6.7. Discuss and consider Resolution No. 05-2023-03 adopting the Expresspoll, Expressvote and DS200 scanner and tabulator voting system. 137 - 139

01 - 05-2023-03-RESOLUTION ADOPTION OF VOTING SYSTEM.pdf 02 - State letter.pdf

I make a motion to approve/deny Resolution No. 05-2023-03.

6.8. Discuss and consider the appointments of Jill Keefer as Election Judge and Linda Hopper as Alternate Judge for the City of Venus General Election for May 6, 2023. 140

06-2023-03 - RESOLUTION ADOPTION OF CALLIE AS ELECTION JUDGE.pdf

I make a motion to approve/deny Resolution No. 06-2023-03.

6.9. Discuss and consider a Final Plat for the re-plat of lots 1, 2 and part of lot 3, Block 24, Venus Land & Improvement Addition, being 0.60 acres out of the William H. Survey Abstract No. 379, City of Venus, Johnson County, Generally located on the east side of Oak St. and south of 6th St, in the City of Venus. 141 - 146

1-A Staff Report_City_Council.pdf 1-B Aerial Map.pdf 1-C Zoning Map.pdf 1-D Venus Land & Improvement Re-plat.pdf

I make a motion to approve/deny the Final Plat for the re-plat of lots 1, 2 and part of lot 3, Block 24, Venus Land & Improvement Addition, as presented.

6.10. Discuss and consider a Resolution to designate authorized signatories for the Texas Community Development Block Grant Program. 147

07-2023-03- Venus Signatory Resolution.pdf

I make a motion to approve/deny Resolution No. 07-2023-03.

6.11. Discuss and consider a Resolution authorizing the submission of a Texas Community Development Block Grant program application and adopting required CDBG Civil Rights policies. 148 - 160

08-2023-03 - Venus Application Resolution with Civil Rights 2.9.23.pdf

I make a motion to approve/deny Resolution No. 08-2023-03.

6.12. Discuss and consider a rate increase from Frontier Access, LLC. 161 - 163

Frontier Waste Solutions.pdf

I make a motion to approve/deny _____.

6.13. Discuss and consider the purchase of a 110' NXT Aerial apparatus for the City of Venus Fire Department. 164 - 325

L221143 110' NXT RM Quint Specifications (1).pdf

NXT-110-Aerial.pdf

I make a motion to approve/deny the purchase of a 110' NXT Aerial apparatus in an amount not to exceed $ _____.

7. Executive Session:

The City Council reserves the right to meet in Executive Session closed to the public at any time in the course of this meeting to discuss matters listed on the agenda.

IN ACCORDANCE WITH TEXAS GOVERNMENT CODE, SECTION 551.001, ET SEQ. THE CITY COUNCIL WILL RECESS INTO EXECUTIVE SESSION (CLOSED MEETING) TO DISCUSS THE FOLLOWING: 551.071(2)- Private consultation with attorney & 551.087 - Economic Development.

1. Discuss Buffalo Hills Mud Agreement.
2. Discuss Brahman Ranch II Mud Agreement.
3. Discuss land aquisition for a Public Safety Building.

7.1. Recess into Executive Session:

7.2. Reconvene into Open Session:

8. Adjournment:

The City Council reserves the right to meet in Executive Session closed to the public at any time in the course of this meeting to discuss matters listed on the agenda, pursuant to authorization by the Texas Open Meetings Act TEXAS GOVERNMENT CODE, Chapter 551.071 (Private consultation with attorney for the city), 551.072 (deliberations about real property), 551.073 (deliberations about gifts and donations), 551.074 (personnel matters), 551.076 (deliberations about security devices), 551.087 (economic development), 418.183 (homeland security).

This is to certify that a copy of this Notice of Meeting was posted on the bulletin board at City Hall, 700 W. Hwy 67 Venus, Texas and at a place readily accessible to the general public at all times and to the City's website www.cityofvenus.org**, 3/8/2023 by 5:00 pm..**

_____

Callie Green,

City Secretary

For more information or a copy of the Open Meetings Act, please contact the Attorney General of Texas at 1-800-252-8011. This building is wheelchair accessible. Any requests for Interpretive Services must be made 48 hours in advance of the scheduled meeting. To make arrangements please call 972-366-3348 .

Removed:_____

Time:_____

DEPARTMENT	FUND	VENDOR NAME		DATE	DESCRIPTION	AMOUNT
NON-DEPARTMENTAL	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	6,485.82
		U. S. TREASURY		2/03/23	FEDERAL WITHHOLDING	7,950.74
				2/17/23	FEDERAL WITHHOLDING	7,121.89
				2/03/23	FICA WITHHOLDING	6,079.67
				2/17/23	FICA WITHHOLDING	5,929.89
				2/03/23	MEDICARE WITHHOLDING	1,421.90
				2/17/23	MEDICARE WITHHOLDING	1,386.81
		CHILD SUPPORT DISTRIBUTION FUND		2/03/23	CASE #0011334214-11305	136.15
				2/17/23	CASE #0011334214-11305	136.15
				2/03/23	001416398532571060821	295.38
				2/17/23	001416398532571060821	295.38
				2/03/23	001243867195045D	131.54
				2/17/23	001243867195045D	131.54
		MISC VENDOR	BERNADETTE HERNANDEZ	2/15/23	REFUND CIVIC CENTER DEPOSI	300.00
			JACQUELINE RIOS	2/15/23	REFUND CIVIC CENTER DEPOSI	300.00
			CAROLINE YOUNG	2/15/23	REFUND CIVIC CENTER DEPOSI	300.00
			MAYRA SAENZ	2/24/23	REFUND CIVIC CENTER DEPOSI	300.00
		FIRST UNUM LIFE INSURANCE CO		2/01/23	DENTAL/VISION FEB 2023	415.76
		TML HEALTH		2/01/23	TML HEALTH FEB 2023 BILLIN	4,230.93
				2/01/23	TML HEALTH COBRA C.ESTES	786.86
		STEADFAST GENERAL CONTRACTING		2/07/23	6' PIPE SEWER BOARING 67	71,675.00
		WI SCTF		2/16/23	CASE#6068286 MEIDL	74.77
		SDU-CHILD SUPPORT ENFORCEMENT		2/16/23	CASE#617500868 MEIDL	126.01
				2/16/23	CASE#616868926	150.01
		MCCREARY, VESELKA, BRAGG AND ALLEN P.C		2/24/23	COLLECTION AGENCY FEES	88.20
				2/24/23	COLLECTION AGENCY FEES	194.64
		COLONIAL LIFE		2/07/23	COLONIAL LIFE	142.30
				2/09/23	COLONIAL LIFE	142.30
				2/13/23	COLONIAL LIFE	142.30
		DEARBORN LIFE INSURANCE CO		2/01/23	ADD/LIFE	559.80
				2/01/23	LTD	95.20
				2/01/23	STD	14.35
					TOTAL:	117,541.29
CITY ADMIN OFFICE	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	310.51
		U. S. TREASURY		2/03/23	FICA WITHHOLDING	177.51
				2/17/23	FICA WITHHOLDING	176.80
				2/03/23	MEDICARE WITHHOLDING	41.52
				2/17/23	MEDICARE WITHHOLDING	41.35
		FIRST UNUM LIFE INSURANCE CO		2/01/23	DENTAL/VISION FEB 2023	23.45
		MICHAEL B. HALLA		2/15/23	GENERAL COUNSEL	5,200.00
				3/02/23	GENERAL COUNSEL	5,200.00
		TML HEALTH		2/01/23	TML HEALTH FEB 2023 BILLIN	393.43
		ENTERPRISE FLEET MANAGEMENT INC		2/20/23	FEBRUARY 2023	892.03
				2/20/23	FEBRUARY MONTHLY MAINT FEE	60.49
				2/20/23	FEBRUARY ENTERPRISE R&M	263.99
		WALMART		2/24/23	SUPPLIES FOR MAYORS SPEC P	144.29
				2/24/23	SUPPLIES FOR ADMIN SPEC PR	144.29
				2/24/23	SUPPLIES FOR MAYORS SPEC P	30.25
				2/24/23	SUPPLIES FOR ADMIN SPEC PR	30.26
		DEARBORN LIFE INSURANCE CO		2/01/23	ADD/LIFE	1.84
				2/01/23	LTD	17.30
				2/01/23	STD	13.70
					TOTAL:	13,163.01
CITY SECRETARY	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	370.89

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	211.59
			2/17/23	FICA WITHHOLDING	211.54
			2/03/23	MEDICARE WITHHOLDING	49.49
			2/17/23	MEDICARE WITHHOLDING	49.47
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	39.62
		CIVICPLUS, LLC	2/07/23	ONLINE CODE HOST/ORDBANK R	675.00
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	786.86
		CITIBANK	2/13/23	TX MUNI CLERK: YEARLY DUES	100.00
			2/13/23	JOHN CO: AGREEMENT FILING	60.90
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	25.58
			2/01/23	STD	27.40
				TOTAL:	2,612.02
PERMITS & INSPECTIONS	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	403.26
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	211.59
			2/17/23	FICA WITHHOLDING	218.98
			2/03/23	MEDICARE WITHHOLDING	49.49
			2/17/23	MEDICARE WITHHOLDING	51.21
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	19.30
		MICHAEL B. HALLA	2/15/23	DEVELOPMENT ALLOC	500.00
			3/02/23	DEVELOPMENT ALLOC	500.00
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	384.63
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	1,308.90
			2/20/23	FEBRUARY MONTHLY MAINT FEE	82.94
			2/20/23	FEBRUARY ENTERPRISE R&M	29.75
		CITIBANK	2/13/23	NFPA: NEC 2020 MONTHLY SUB	9.99
			2/13/23	UPS: SEND CHECK BACK TO CU	13.92
			2/13/23	WALMART: COMPUTER PARTS	102.34
			2/13/23	WALMART: COMPUTER MONITOR	150.98
		DEARBORN LIFE INSURANCE CO	2/01/23	LTD	13.26
			2/01/23	STD	13.89
				TOTAL:	4,064.43
FINANCE	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	82.77
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	48.90
			2/17/23	FICA WITHHOLDING	47.52
			2/03/23	MEDICARE WITHHOLDING	11.44
			2/17/23	MEDICARE WITHHOLDING	11.11
		CITY OF VENUS - PETTY CASH	2/24/23	PRIORITY MAIL POSTAGE DUE	9.90
			2/24/23	PRIORITY MAIL POSTAGE DUE	9.65
			2/24/23	PRIORITY MAIL POSTAGE DUE	9.65
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	19.81
		LOWES BUSINESS ACCT/SYNCB	2/24/23	LATE FEE	36.00
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	393.43
		CITIBANK	2/13/23	AMZ: 1099 MISC FORMS (2)	57.98
			2/13/23	OFFICE: PURCHASE ORDER BOO	18.49
			2/13/23	AMZ: 1099 TAX FORMS (3)	67.47
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	1.84
			2/01/23	LTD	6.78
			2/01/23	STD	7.43
				TOTAL:	840.17
HUMAN RESOURCES	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	390.49
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	222.94
			2/17/23	FICA WITHHOLDING	223.46

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
			2/03/23	MEDICARE WITHHOLDING	52.14
			2/17/23	MEDICARE WITHHOLDING	52.26
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	39.62
		AMERIFLEX	2/06/23	HRA ADMIN FEE 45 EMP @ 5.1	231.75
		CASA JACARANDA	2/24/23	DRINKS/ENTREE FOR PD	578.78
		CITIBANK	2/13/23	FULLID: BADGE C SMITH	30.50
			2/13/23	FULLID: BADGE G MEIDL	30.50
			2/13/23	AMZ: FOLDERS & ENVEL MOIST	32.92
			2/13/23	SOCIETY HR: MEMBERSHIP DUE	229.00
			2/13/23	AMZ: STICKY NOTES	7.99
			2/13/23	FULLID: JUDGE SCOTT BADGE	30.50
			2/13/23	FULLID: LLOYD BADGE & ID C	46.00
			2/13/23	FULLID: RAMIREZ BADGE/ID C	46.00
		CAREFLITE	2/15/23	NEW HIRE: NICHOLAS FIELDS	10.00
			2/15/23	NEW HIRE: RUSSELL LLOYD	10.00
			2/15/23	NEW HIRE: GERALD MEIDL	10.00
			2/15/23	NEW HIRE: CHRISTOPHER SMIT	10.00
			2/15/23	NEW HIRE: SAMANTHA HIDALGO	10.00
		CARENOW CORPORATE	2/24/23	PD TCLOSE SCREENING M WEST	118.00
			2/24/23	SCREENING - CHANDLER ROSAL	123.00
			2/24/23	ACCIDENT SCREENING N.MARTI	73.00
			2/24/23	SCREENING - YVETTE SIERRA	108.00
			2/24/23	SCREENING - SAMANTHA HIDAL	48.00
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	23.41
			2/01/23	STD	25.67
				TOTAL:	2,817.61
ECONOMIC DEVELOPMENT	GENERAL FUND	U. S. TREASURY	2/03/23	FICA WITHHOLDING	54.25
			2/03/23	MEDICARE WITHHOLDING	12.69
		MISC VENDOR TONYA ROBERTS	2/24/23	HIGH BACK SWINGS (5)	162.32
				TOTAL:	229.26
PLANNING & DEVELOPMENT	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	346.54
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	197.72
			2/17/23	FICA WITHHOLDING	174.82
			2/03/23	MEDICARE WITHHOLDING	46.24
			2/17/23	MEDICARE WITHHOLDING	40.89
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	83.43
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	1,515.05
		CSC	2/01/23	AGREEMENTS HARPER	198.79
			2/01/23	AGREEMENTS GALILLEE	64.93
		CITIBANK	2/13/23	UNIV OF TX: GRANT WRITING	299.00
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	23.21
			2/01/23	STD	25.45
				TOTAL:	3,019.75
POLICE DEPARTMENT	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	5,172.48
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	2,952.02
			2/17/23	FICA WITHHOLDING	2,876.37
			2/03/23	MEDICARE WITHHOLDING	690.41
			2/17/23	MEDICARE WITHHOLDING	672.68
		GT DISTRIBUTORS, INC	3/02/23	PATROL RIFLE SIGHT W/MOUNT	1,686.79
		MISC VENDOR NURI MARTINEZ	2/15/23	NURI REIMB IDENT FINGERPRI	10.21
		NURI MARTINEZ	3/02/23	COWBOY HAT	26.99

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	921.18
		XEROX FINANCIAL SERVICES	3/02/23	FEB - MONTHLY LEASE PAYMT	99.00
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	15,039.44
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY MONTHLY MAINT FEE	66.00
			2/20/23	FEBRUARY ENTERPRISE R&M	4,392.22-
		IMPACT PROMOTIONAL SERVICES	2/15/23	J2 NAME BAR SILVER POLISHE	16.90
			2/24/23	6-POCKET WOOL BLEND PANT (	229.48
		CITIBANK	2/13/23	TX GOV: VEHICLE REGIST SVC	6.00
			2/13/23	AMZ: GUN LIGHTS & CARD HOL	318.86
			2/13/23	JOHN CO: VEHICLE REGISTRAT	24.75
			2/13/23	TX GOV: VEHICLE REGIST SVC	2.00
			2/13/23	JOHN CO: VEHICLE REGISTRAT	8.25
			2/13/23	AMZ: PAPER TOWELS	17.84
			2/13/23	AMZ: WINDSHIELD WASHER FLU	38.00
			2/13/23	AMZ: RED PENS	12.69
			2/13/23	AMZ: DUTY BELT & LEATHER B	63.98
			2/13/23	AMZ: MAGAZINE POUCHES (3)	77.64
			2/13/23	AMZ: TOURNIQUET CASE/HOLDE	219.53
			2/13/23	AMZ: EMR BOOKS (3)	355.44
			2/13/23	AMZ: TOURNIQUET HOLDER 2 P	20.99
			2/13/23	AMZ: CD SLEEVES (5)	33.15
			2/13/23	AMZ: DVD'S (5)	63.40
			2/13/23	AMZ: BADGE HOLDERS & REELS	125.92
			2/13/23	AMZ: AWARD SUPPLIES	147.85
			2/13/23	GALLS: SAFETY VESTS	115.00
			2/13/23	HOBBY: LIFE SAVING FRAME &	49.44
		FRONTIER COMMUNICATIONS	2/15/23	PD FAX LINE 02.01.23-02.28	89.02
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	62.56
			2/01/23	LTD	320.10
			2/01/23	STD	343.65
		AXON ENTERPRISE, INC	2/24/23	BASIC LICENSE BUNDLE (2)	390.00
		CITY OF BURLESON	2/15/23	CONSORTIUM AGENCY FEES	13,143.00
				TOTAL:	42,116.79
CODE ENFORCE/ANIMAL CO	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	200.95
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	114.68
			2/17/23	FICA WITHHOLDING	102.84
			2/03/23	MEDICARE WITHHOLDING	26.82
			2/17/23	MEDICARE WITHHOLDING	24.05
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	58.92
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	1,171.49
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY MONTHLY MAINT FEE	6.00
		CITIBANK	2/13/23	INT'L CODE: YEAR DOWNLOAD	35.13
			2/13/23	GALLS: BOOTS FOR JOHNNY	140.19
			2/13/23	AMZ: 5LB PET FOOD CONTAINE	10.59
			2/13/23	CITY HALL: CODE ENFORCE TR	150.00
			2/13/23	AMZ: 35LB PET FOOD CONTAIN	32.99
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	12.97
			2/01/23	STD	14.22
				TOTAL:	2,105.52
COURT	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	194.44
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	107.95
			2/17/23	FICA WITHHOLDING	111.62
			2/03/23	MEDICARE WITHHOLDING	25.25

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
			2/17/23	MEDICARE WITHHOLDING	26.11
		BILL J. SCOTT	2/24/23	MUNICIPAL JUDGE	800.00
			2/07/23	MUNICIPAL JUDGE	800.00
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	19.81
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	786.86
		STAPLES BUSINESS CREDIT	3/02/23	PRINTING CALCULATOR	38.29
		CITIBANK	2/13/23	TX COURT: MEMBERSHIP DUES	55.00
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	12.32
			2/01/23	STD	13.51
				TOTAL:	2,994.84
FIRE DEPARTMENT	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	1,398.06
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	1,145.41
			2/17/23	FICA WITHHOLDING	1,133.63
			2/03/23	MEDICARE WITHHOLDING	267.88
			2/17/23	MEDICARE WITHHOLDING	265.12
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	333.84
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	3,431.24
		METRO FIRE APPARATUS SPECIALISTS, INC.	3/02/23	COMPRESSOR PM ARCTIC	600.00
			3/02/23	SYNTHETIC COMPRESSOR OIL-G	119.00
			3/02/23	PURIFICATION FILTER	100.00
			3/02/23	AIR QUALITY SAMPLE	235.00
			3/02/23	TRAVEL/FUEL	75.00
		CASCO INDUSTRIES, INC.	2/07/23	TRASH HOOK 6' W/D HANDLE	161.24
			2/15/23	FOAM CLASS A PLUS 5 GAL PA	546.00
			2/15/23	FACEPIECE GL MD 4 PT (6)	2,685.00
		LONE STAR LASER CREATIONS	2/15/23	CUSTOM ENGRAVED ID TAGS (9	31.50
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	975.73
			2/20/23	FEBRUARY MONTHLY MAINT FEE	49.77
			2/20/23	FEBRUARY ENTERPRISE R&M	154.99
		STAPLES BUSINESS CREDIT	3/02/23	COPY PAPER	39.99
			3/02/23	PINE-SOL CLEANER	50.29
			3/02/23	GROUND COFFEE (2)	90.98
		OGD OVERHEAD GARAGE DOOR LLC	2/15/23	REPLACED DOOR OPENER	3,423.00
		STAR CITY TACTICAL	2/24/23	TACTICAL DUTY BOOT	72.25
			2/24/23	TACTICAL PANTS (7)	416.50
			2/24/23	MENS POLO SS (56)	2,142.00
			2/24/23	WOMENS POLO SS (6)	229.50
			2/24/23	MENS COTTON JOB SHIRT (5)	297.50
		TEXAS DIVISON OF EMERGENCY MANAGEMENT	3/02/23	2023 CONFERENCE ADMISSION	300.00
		CITIBANK	2/13/23	TCFP: FIRE CERTIFICATION	87.17
			2/13/23	SFFMA: ANNUAL DUES	610.00
			2/13/23	WILD: LUNCH LEADER SYMPOSI	39.97
			2/13/23	SLING: PT FF SCHEDULING SO	23.73
			2/13/23	NORMAS: LUNCH LEADER SYMPO	42.64
			2/13/23	PETRA'S: UNIFORM EMBROIDER	675.00
			2/13/23	NCTCOG: TCOLE TRAINING	150.00
			2/13/23	LOWES: REPLACE KUZMAL CORD	87.48
			2/13/23	AMZ: WIRE FOR IMPAIRMENT T	16.99
			2/13/23	JOHN CO: VEHICLE REGIS SVC	1.00
			2/13/23	JOHN CO: VEHICLE REGISTRAT	22.50
			2/13/23	AT&T: DIRECT TV FOR STATIO	103.44
			2/13/23	JOHN CO: VEHICLE REGIS SVC	1.00
			2/13/23	JOHN CO: VEHICLE REGISTRAT	8.25
			2/13/23	LOWES: HARDWARE FOR BAY LI	55.40

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
			2/13/23	AMZ: TRAFFIC CONES	122.48
			2/13/23	AMZ: LIGHTS FOR BAYS	391.74
		GEXA ENERGY	3/02/23	FIRE DEPT - ELECTRICITY	230.17
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	29.44
			2/01/23	LTD	112.08
			2/01/23	STD	118.47
				TOTAL:	23,699.37
STREETS	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	493.58
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	265.74
			2/17/23	FICA WITHHOLDING	283.35
			2/03/23	MEDICARE WITHHOLDING	62.15
			2/17/23	MEDICARE WITHHOLDING	66.26
		CINTAS	2/24/23	JARAL & MEIDL	11.94
			2/24/23	JARAL & MEIDL	11.94
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	39.62
		LOWES BUSINESS ACCT/SYNCB	2/24/23	SHANNA PARK IMPROVEMENT SU	36.27
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	786.86
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	733.35
			2/20/23	FEBRUARY MONTHLY MAINT FEE	43.53
			2/20/23	FEBRUARY ENTERPRISE R&M	296.13
		TXU ENERGY	2/15/23	STLG 1 049774	1,626.03
			2/15/23	STLG 2 391223	28.78
			2/15/23	STLG-A 101-140 753619	53.50
			2/15/23	STLG-C LED 0-55 357942	1,020.44
			2/15/23	STLG-C LED 141-180 550367	187.01
		VENUS AUTO PARTS LLC	2/24/23	RECEIVER LOCK	31.99
			2/07/23	NUTS & BOLTS/WASHER FLUID	6.22
		WALMART	2/24/23	HONEY BUN/SNACK CAKE/ETC	13.81
		CITIBANK	2/13/23	AMZ: SAMSUNG PHONE CASE	14.11
			2/13/23	AMZ: WORK GLOVES	36.84
			2/13/23	AMZ: COFFEE/PHONE CASE/CRE	49.76
			2/13/23	AMZ: PROTECT/HOLD/DIVIDE/S	17.11
			2/13/23	AMZ: MEMORY FOAM SEAT CUSH	16.66
			2/13/23	AMZ: OFFICE CHAIR	60.00
			2/13/23	RED: GERALD BOOT ALLOWANCE	186.99
			2/13/23	RED: JIMMY BOOT ALLOWANCE	150.00
			2/13/23	AMZ: LABELS/FOLDERS/BIND R	26.14
			2/13/23	AMZ: LABELS	2.16-
		GEXA ENERGY	3/02/23	STREETS - ELECTRICITY	414.78
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.68
			2/01/23	LTD	0.31
			2/01/23	STD	0.69
				TOTAL:	7,073.41
PARKS & RECREATION	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	505.78
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	291.26
			2/17/23	FICA WITHHOLDING	290.35
			2/03/23	MEDICARE WITHHOLDING	68.12
			2/17/23	MEDICARE WITHHOLDING	67.91
		CINTAS	2/24/23	CANTU/MOORE/FIELDS	18.07
			2/24/23	CANTU/MOORE/FIELDS	18.07
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	118.86
		LOWES BUSINESS ACCT/SYNCB	2/24/23	SUPPLIES FOR CONCRETE FORM	133.50
			2/24/23	SHANNA PARK IMPROVEMENT SU	123.38
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	2,360.58

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	733.34
			2/20/23	FEBRUARY MONTHLY MAINT FEE	43.53
			2/20/23	FEBRUARY ENTERPRISE R&M	1,554.12
		VENUS AUTO PARTS LLC	2/24/23	BOLTS (8)	2.72
			2/24/23	CLEVIS (3)	5.37
		WALMART	2/24/23	HONEY BUN/SNACK CAKE/ETC	13.81
		CITIBANK	2/13/23	BROOKS: SUGAR & TRASH BAGS	9.07
			2/13/23	AMZ: UTILITY KNIFE	34.97
			2/13/23	AMZ: DESK CALENDAR	12.98
			2/13/23	AMZ: DESK CALENDAR	18.99
			2/13/23	BUCKIN: PARKS VEH STICKER	78.00
			2/13/23	AMZ: FILE FOLDERS	13.73
			2/13/23	AMZ: WORK GLOVES	147.36
			2/13/23	AMZ: COFFEE/CREAM/LABEL MA	45.85
			2/13/23	AMZ: LITTLE DEBBIE SNACKS	84.46
			2/13/23	MR JIMS: EMPLOYEE TRAIN LU	73.04
			2/13/23	MR JIMS: EMPLOYEE TRAIN LU	39.98
			2/13/23	AMZ: TRIMMER & SAFETY GEAR	288.15
		GEXA ENERGY	3/02/23	PARKS & REC - ELECTRICITY	629.94
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	11.04
			2/01/23	LTD	34.12
			2/01/23	STD	37.43
				TOTAL:	7,907.88
CITY-WIDE (NON-DEPARTM	GENERAL FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	136.94
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	78.12
			2/17/23	FICA WITHHOLDING	78.62
			2/03/23	MEDICARE WITHHOLDING	18.27
			2/17/23	MEDICARE WITHHOLDING	18.39
		CINTAS	2/24/23	CITY HALL FLOOR MATS	33.11
			2/24/23	CITY HALL FLOOR MATS	33.11
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	5.98
		MIDLO H2O	2/15/23	5 GALLON H2O (8)	60.00
		XEROX FINANCIAL SERVICES	3/02/23	FEB - MONTHLY LEASE PAYMT	129.00
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	786.86
		STAPLES BUSINESS CREDIT	3/02/23	REGISTER/POS ROLLS (2)	27.98
			3/02/23	AA BATTERIES	28.99
			3/02/23	DUST-OFF WIPES	24.49
			3/02/23	PHONE ORDER - AA BATTERIES	8.21-
			3/02/23	COUNTERFEIT PENS	11.69
		TYLER TECHNOLOGIES	2/15/23	THIRD PARTY PRINTING INTER	765.63
		CITIBANK	2/13/23	AMZ: SMALL TRASH BAGS	32.99
			2/13/23	AMZ: SMALL TRASH BAGS	32.99-
			2/13/23	AMZ: STAIN STEEL CLEAN WIP	15.98
			2/13/23	BUCKIN: CITY LOGO STICKER	78.00
			2/13/23	AMZ: NITRILE GLOVES (6)	59.94
			2/13/23	AMZ: TRASH BAGS/LYSOL/GLOV	130.63
			2/13/23	AMZ: TRASH/AIR FRESH/DUST/	181.71
			2/13/23	AMZ: CLEANING SPRAY	2.47
			2/13/23	AMZ: TRASH BAGS	29.95
			2/13/23	GOTO: CITY TELEPHONE LINES	864.55
			2/13/23	AMZ: DISPOSABLE GLOVES (2)	19.92
			2/13/23	AMZ: TOILET PAPER	69.98
			2/13/23	AMZ: W2 FORMS & ENVELOPES	124.57
			2/13/23	ADOBE: MONTHLY SUBSCRIPTIO	244.90
			2/13/23	UATTEND: TIME CLOCK	145.00

DEPARTMENT	FUND	VENDOR NAME		DATE	DESCRIPTION	AMOUNT
		GEXA ENERGY		3/02/23	CITY-WIDE - ELECTRICITY	1,437.53
		DEARBORN LIFE INSURANCE CO		2/01/23	LTD	0.29-
				2/01/23	STD	0.30-
					TOTAL:	5,633.51
NON-DEPARTMENTAL	VCSDC	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	60.16
		U. S. TREASURY		2/17/23	FEDERAL WITHHOLDING	26.65
				2/17/23	FICA WITHHOLDING	53.28
				2/17/23	MEDICARE WITHHOLDING	12.46
					TOTAL:	152.55
ECONOMIC DEVELOPMENT	VCSDC	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	92.81
		U. S. TREASURY		2/17/23	FICA WITHHOLDING	53.28
				2/17/23	MEDICARE WITHHOLDING	12.46
		MICHAEL B. HALLA		2/15/23	VCSDC ALLOCATION	300.00
				3/02/23	VCSDC ALLOCATION	300.00
		CITIBANK		2/13/23	BUCKIN: EDC VEH STICKER EX	78.00
		GEXA ENERGY		3/02/23	CIVIC CENTER - ELECTRICITY	844.95
					TOTAL:	1,681.50
PUBLIC WORKS	STREET TAX MAINT F	CITIBANK		2/13/23	AMZ: ROCK ASPHALT (3)	1,410.00
					TOTAL:	1,410.00
NON-DEPARTMENTAL	BRAHMAN RANCH I PI	LONE STAR NEWS GROUP		2/09/23	RES 01-2021-03	1,267.00
					TOTAL:	1,267.00
NON-DEPARTMENTAL	WATER & SEWER FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM			TMRS RETIREMENT	1,085.19
		U. S. TREASURY		2/03/23	FEDERAL WITHHOLDING	1,263.50
				2/17/23	FEDERAL WITHHOLDING	1,130.02
				2/03/23	FICA WITHHOLDING	977.07
				2/17/23	FICA WITHHOLDING	930.44
				2/03/23	MEDICARE WITHHOLDING	228.53
				2/17/23	MEDICARE WITHHOLDING	217.61
		MISC VENDOR	HOLTZ, WHITNEY	2/15/23	01-4425-02	2.03
			SFR JV-2 2022-1 BORR	2/15/23	02-0714-03	82.42
			III LLC, ORCHARD PRO	2/15/23	02-0756-01	82.42
			OPENDOOR LAB	2/15/23	02-0958-01	38.47
			NAPIER, ROBIN	2/16/23	02-8192-00	64.46
		FIRST UNUM LIFE INSURANCE CO		2/01/23	DENTAL/VISION FEB 2023	96.04
		TML HEALTH		2/01/23	TML HEALTH FEB 2023 BILLIN	851.40
		STATE COMPTROLLER		2/17/23	JAN-23 SALES/USE TAX	3,200.41
				2/17/23	JAN-23 SALES/USE TAX	69.64
				2/17/23	JAN-23 SALES/USE TAX	16.35-
		CITIBANK		2/13/23	WILD: SALES TAX PAID	2.80
				2/13/23	NORMAS: SALES TAX PAID	2.89
				2/13/23	AT&T: SALES TAX PAID	6.75
				2/13/23	BROOKS: SALES TAX PAID	0.20
				2/13/23	MR JIMS: SALES TAX PAID	6.03
				2/13/23	MR JIMS: SALES TAX PAID	3.30
				2/13/23	WALMART: SALES TAX PAID	8.44
				2/13/23	WALMART: SALES TAX PAID	12.29
		COLONIAL LIFE		2/07/23	COLONIAL LIFE	74.84
				2/09/23	COLONIAL LIFE	74.84
				2/13/23	COLONIAL LIFE	74.84
		DEARBORN LIFE INSURANCE CO		2/01/23	ADD/LIFE	88.00
				2/01/23	LTD	42.50

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
			2/01/23	STD	3.45
				TOTAL:	10,704.47
ADMINISTRATION	WATER & SEWER FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	1,060.10
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	597.27
			2/17/23	FICA WITHHOLDING	598.21
			2/03/23	MEDICARE WITHHOLDING	139.69
			2/17/23	MEDICARE WITHHOLDING	139.91
		INTERFACE SECURITY SYSTEMS LLC	2/24/23	MONTHLY SUBSCRIPTION	36.04
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	165.68
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	3,431.24
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY MONTHLY MAINT FEE	6.00
		CITIBANK	2/13/23	AMZ: MONITOR FOR WATER CLE	87.99
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	14.72
			2/01/23	LTD	61.21
			2/01/23	STD	61.89
				TOTAL:	6,399.95
WATER DEPARTMENT	WATER & SEWER FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	307.10
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	189.89
			2/17/23	FICA WITHHOLDING	166.11
			2/03/23	MEDICARE WITHHOLDING	44.41
			2/17/23	MEDICARE WITHHOLDING	38.86
		ATMOS ENERGY CORP.	2/07/23	301 S MAIN ST - WD - GAS B	183.19
		MISC VENDOR GEM LE	2/15/23	REFUND OVERDRAFT FEE	30.00
		CINTAS	2/24/23	ZAPATA/ISAAC/ABSHIRE	13.26
			2/24/23	ZAPATA/ISAAC/ABSHIRE	13.26
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	103.86
		ABILENE PLUMBING SUPPLY CO., INC	2/24/23	COMPRESSION COUPLINGS (6)	196.74
			2/24/23	G NUT FORD COUPLING (12)	390.12
		LOWES BUSINESS ACCT/SYNCB	2/24/23	SHANNA PARK IMPROVEMENT SU	37.92
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	1,857.52
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	1,211.24
			2/20/23	FEBRUARY MONTHLY MAINT FEE	71.89
			2/20/23	FEBRUARY ENTERPRISE R&M	308.88
		VENUS AUTO PARTS LLC	2/07/23	NUTS & BOLTS/WASHER FLUID	6.22
		WALMART	2/24/23	HONEY BUN/SNACK CAKE/ETC	13.81
		TRINITY RIVER AUTHORITY	2/24/23	LAB ANALYSIS - JANUARY 202	100.00
		CITIBANK	2/13/23	AMZ: ADDRESS LABELS	9.34
			2/13/23	BUCKIN: SEWER VEHICLE STIC	39.00
			2/13/23	BUCKIN: WATER VEH STICKER	78.00
			2/13/23	TX GOV: UTILITY TRUCK REGI	2.00
			2/13/23	TX GOV: UTILITY TRUCK REGI	8.25
			2/13/23	AMZ: COFFEE & CREAMER	29.09
			2/13/23	AMZ: NITRILE GLOVES	44.50
			2/13/23	TRWA: TREY'S PUMP/MOTOR MA	64.50
			2/13/23	SUN: TREY'S LICENSE TRAINI	280.00
			2/13/23	AMZ: PROTECT/HOLD/DIVIDE/S	17.12
			2/13/23	AMZ: MEMORY FOAM SEAT CUSH	16.66
			2/13/23	AMZ: OFFICE CHAIR	32.99
			2/13/23	AMZ: LATEX GLOVES	81.50-
			2/13/23	AMZ: WATERPROOF JACKET	20.22-
			2/13/23	TRWA: ANNUAL MEMBERSHIP	764.10
			2/13/23	USPS: STAMPS FOR DLQOR REP	38.20
			2/13/23	AMZ: LABELS/FOLDERS/BIND R	26.14
			2/13/23	AMZ: LABELS	2.16-

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT
			2/13/23	TEEX: JIMMY'S CLASS CANCEL	470.00-
		GEXA ENERGY	3/02/23	50% PW BLDG & GDL - ELECTR	251.63
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	7.37
			2/01/23	LTD	25.52
			2/01/23	STD	27.99
				TOTAL:	6,472.80
SEWER DEPARTMENT	WATER & SEWER FUND	TEXAS MUNICIPAL RETIREMENT SYSTEM		TMRS RETIREMENT	307.08
		U. S. TREASURY	2/03/23	FICA WITHHOLDING	189.90
			2/17/23	FICA WITHHOLDING	166.11
			2/03/23	MEDICARE WITHHOLDING	44.42
			2/17/23	MEDICARE WITHHOLDING	38.84
		CINTAS	2/24/23	ZAPATA/ISAAC/ABSHIRE	13.26
			2/24/23	ZAPATA/ISAAC/ABSHIRE	13.26
		UNITED COOPERATIVE	2/24/23	106623-001 N FM 157 WWTP	425.13
			2/24/23	106623-002 CR 213 LIFT STA	33.27
			2/24/23	106623-003 PLAINVIEW ACRES	102.36
			2/24/23	106623-005 CR 214 LIFT STA	673.84
			2/24/23	106623-007 FM 1807 LIFT ST	25.16
			2/24/23	106623-009 CR 214 LIFT STA	951.75
			2/24/23	106623-011 CR 214/TS2/3PH/	23.71
		FIRST UNUM LIFE INSURANCE CO	2/01/23	DENTAL/VISION FEB 2023	103.85
		TML HEALTH	2/01/23	TML HEALTH FEB 2023 BILLIN	1,070.66
		ENTERPRISE FLEET MANAGEMENT INC	2/20/23	FEBRUARY 2023	1,211.23
			2/20/23	FEBRUARY MONTHLY MAINT FEE	65.87
			2/20/23	FEBRUARY ENTERPRISE R&M	308.87
		WALMART	2/24/23	HONEY BUN/SNACK CAKE/ETC	13.81
		TRINITY RIVER AUTHORITY	2/15/23	OPERATION & MAINTENANCE	26,161.00
			2/15/23	DEBT SERVICE	117,889.00
		CITIBANK	2/13/23	BUCKIN: WATER VEHICLE STIC	39.00
			2/13/23	AMZ: COFFEE & CREAMER	29.08
			2/13/23	AMZ: NITRILE GLOVES	44.49
			2/13/23	AMZ: PROTECT/HOLD/DIVIDE/S	17.11
			2/13/23	AMZ: CHEX MIX SNACKS	24.13
			2/13/23	AMZ: MEMORY FOAM SEAT CUSH	16.66
			2/13/23	AMZ: OFFICE CHAIR	60.00
			2/13/23	AMZ: LATEX GLOVES	81.50-
			2/13/23	AMZ: WATERPROOF JACKET	20.23-
			2/13/23	AMZ: LABELS/FOLDERS/BIND R	26.15
			2/13/23	AMZ: LABELS	2.17-
		GEXA ENERGY	3/02/23	50% PW BLDG & GDL - ELECTR	251.63
			3/02/23	ELECTRICITY USE 1/4-2/2/23	1,241.86
		DEARBORN LIFE INSURANCE CO	2/01/23	ADD/LIFE	3.67
			2/01/23	LTD	12.87
			2/01/23	STD	14.10
				TOTAL:	151,509.23
NON-DEPARTMENTAL	W/S CPF - 2018 CO	CORE & MAIN LP	2/24/23	3X17 METERS (3)	7,950.00
			2/24/23	3X12 METER	2,625.00
			2/24/23	2X17 METER	1,500.00
				TOTAL:	12,075.00
NON-DEPARTMENTAL	2022 CO BOND FUND	TRUIST GOVERNMENTAL FINANCE	2/07/23	CO BOND 2022 PAYMENT	230,000.00
			2/07/23	CO BOND 2022 PAYMENT	97,822.23
				TOTAL:	327,822.23

DEPARTMENT	FUND	VENDOR NAME	DATE	DESCRIPTION	AMOUNT

========== FUND TOTALS ==========		
10	GENERAL FUND	235,818.86
30	VCSDC	1,834.05
50	STREET TAX MAINT FUND	1,410.00
56	BRAHMAN RANCH I PID	1,267.00
60	WATER & SEWER FUND	175,086.45
64	W/S CPF - 2018 CO BONDS	12,075.00
71	2022 CO BOND FUND	327,822.23
	GRAND TOTAL:	755,313.59

TOTAL PAGES: 11

SELECTION CRITERIA

SELECTION OPTIONS

VENDOR SET: 01-CITY OF VENUS
VENDOR: All
CLASSIFICATION: All
BANK CODE: All
ITEM DATE: 0/00/0000 THRU 99/99/9999
ITEM AMOUNT: 99,999,999.00CR THRU 99,999,999.00
GL POST DATE: 2/01/2023 THRU 2/28/2023
CHECK DATE: 0/00/0000 THRU 99/99/9999

PAYROLL SELECTION

PAYROLL EXPENSES: NO
EXPENSE TYPE: N/A
CHECK DATE: 0/00/0000 THRU 99/99/9999

PRINT OPTIONS

PRINT DATE: Check Date
SEQUENCE: By Department
DESCRIPTION: Distribution
GL ACCTS: NO
REPORT TITLE: FEBRUARY 2023 Check Report
SIGNATURE LINES: 0

PACKET OPTIONS

INCLUDE REFUNDS: NO
INCLUDE OPEN ITEM:NO

City of Venus
Credit Card Charges -Pay Request

Cardholder N James Groom

Payee: Citi Bank Master Card

ORIGINAL RECEIPTS MUST BE ATTACHED TO THIS FORM. PLEASE TAPE RECEIPTS TO 8.5 X 11 SHEET OF PAPER.
MISSING RECEIPTS MUST BE REPLACED WITH A COMPLETED "LOST RECEIPT TEMPLATE" FORM SIGNED BY THE CITY ADMINISTRATOR.

Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/6/2023	Galls	Boots for Johnny Coker	JG	5-0055-0420	Uniforms	140.19	-	140.19
1/11/2023	Amazon	EMR Books	JG	5-0050-0415	Training	355.44	-	355.44
1/26/2023	Amazon	Tourniquet Holder x2	JG	5-0050-0420	Uniforms	20.99	-	20.99
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
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							-	-
							-	-
							-	-
							-	-
							-	-
Total Monthly Charges						516.62	-	516.62

agree with

Cardholder Signature _____ Date 02/08/23

Finance ~~Director~~ Signature Stacy Wyman Date 2/10/23

City Administrator's Signature Jonny Roberts Date 2/15/2023

RECEIVED
BB-02.13.23

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Callie Green

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/27/2023	TMCA	Yearly dues	Cgreen	10-5-0015-0418	Dues & memberships	100.00		100.00
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
Total Monthly Charges						100.00	-	100.00

Total must agree with credit card statement

Cardholder Signature Callie Green Date 2/8/23

City Administrator's Signature Tonya Roberts Date 2/15/2023

BB-02.13.23

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Stacey Wyman

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/20/2023	Uattend	Time clock	SW	10-5-0095-0468	info technology	145.00		145.00
1/25/2023	Amazon.com	1099 tax forms	SW	10-5-0025-0429	dept supplies	67.47		67.47
1/25/2023	Amazon.com	HR postits	SW	10-5-0030-0429	dept supplies	7.99		7.99
1/26/2023	Full Identitiy	Judge Scott badge	SW	10-5-0030-0468	info technology	30.50		30.50
1/26/2023	Full Identitiy	Lloyd badge and id card	SW	10-5-0030-0468	info technology	46.00		46.00
1/26/2023	Full Identitiy	Ramirez badge and id card	SW	10-5-0030-0468	info technology	46.00		46.00
1/26/2023	Amazon.com	Monitor for Water clerk	SW	60-5-0045-0429	dept supplies	87.99		87.99
								-
								-
								-
								-
								-
Total Monthly Charges						430.95	-	430.95

Total must agree with credit card statement

Cardholder Signature Stacey Wyman Date 2/9/2023

Finance ~~Director~~'s Signature Stacey Wyman Date 2/9/2023

City Administrator Signature [signature] Date 2/9/2023

ENTERED
BB-02.13.23

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Michael Gleason CBO MCP

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/27/2023	NFPA	NEC 2020 Monthly Subscription	M. Gleason	5-0020-0429	Office Supplies	9.99	-	9.99
1/4/2023	UPS Store	Sending check back to customer	M. Gleason	5-0020-0423	Postage	13.92	-	13.92
1/9/2023	Walmart	Computer Parts	M. Gleason	5-0020-0421	Office Supplies	102.34	8.44	110.78
1/9/2023	Walmart	Computer Parts monitor	M. Gleason	5-0020-0429	dept supplies	150.98	12.29	163.27
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
Total Monthly Charges						277.23	20.73	297.96

Total must agree with credit card statement

Cardholder Signature _____ Date 2/8/23

Finance ~~Director~~'s Signature Stacey Ulyman Date 2/10/23

City Administrator Signature _____ Date 2/15/2023

BB-02.13.23

City of Venus

Credit Card Charges -Pay Request

Cardholder Name: Brandon Gazaway (Jan 2023)

Payee: Citi Bank Master Card-2089

BB-02.13.22

ORIGINAL RECEIPTS MUST BE ATTACHED TO THIS FORM. PLEASE TAPE RECEIPTS TO 8.5 X 11 SHEET OF PAPER.
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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge	
1/9/2023	Brookshire brothers	Sugar/Trash bags (parks)	BG	10-5-0090-0429	Dept Supplies	9.07 ~~9.27~~	.20	9.27	
1/10/2023	Amazon	city hall small trash bags	SW	10-5-0095-0429	Dept Supplies	32.99		32.99	
1/10/2023	Amazon	water dept office supplies	BG	60-5-0065-0421	Office Supplies	9.34		9.34	42.33
1/11/2023	Amazon	phone case streets	BG	10-5-0080-0421	Office Supplies	14.11		14.11	
1/12/2023	Amazon	utility knives for parks	BG	10-5-0090-0429	Dept Supplies	34.97		34.97	
1/12/2023	Amazon	desk calander parks	BG	10-5-0090-0429	Dept Supplies	12.98		12.98	
1/12/2023	Amazon	city hall small trash bags	SW	10-5-0095-0429	Dept Supplies	(32.99)		(32.99)	
1/13/2023	Amazon	desk calander parks replacement	BG	10-5-0090-0429	Dept Supplies	18.99		18.99	
1/13/2023	Amazon	city wide stainless steel clean wipes	SW	10-5-0095-0429	Dept Supplies	15.98		15.98	34.97
1/16/2023	Buckin Nitty Gritty	city logo vehicle stickers (Expd)	BG	10-5-0095-0445	Vehicle maint & repairs (4)	78.00		78.00	
1/16/2023	Buckin Nitty Gritty	edc vehicle stickers (Explorer)	BG	30-5-0000-0445	Vehicle maint & repairs (4)	78.00		78.00	
1/16/2023	Buckin Nitty Gritty	water vehicle stickers (utility trk)	BG	60-5-0085-0445	Vehicle maint & repairs (4)	39.00		39.00	390.00
1/16/2023	Buckin Nitty Gritty	sewer vehicle stickers	BG	60-5-0065-0445	Vehicle maint & repairs (4)	39.00		39.00	
1/16/2023	Buckin Nitty Gritty	water vehicle stickers (F150)	BG	60-5-0065-0445	Vehicle maint & repairs (4)	78.00		78.00	
1/16/2023	Buckin Nitty Gritty	parks vehicle stickers (ram)	BG	10-5-0090-0445	Vehicle maint & repairs (4)	78.00		78.00	
1/17/2023	Amazon	parks file folders	BG	10-5-0090-0429	Dept Supplies	13.73		13.73	
1/17/2023	Amazon	city wide nitrile gloves	BG	10-5-0095-0429	Dept Supplies	59.94		59.94	
1/17/2023	Tx Gov	utility truck registration	BG	60-5-0065-0445	Vehicle maint & repairs	*2.00		2.00	
1/18/2023	Johnson Co	utility truck registration	BG	60-5-0065-0445	Vehicle maint & repairs	8.25		8.25	10.25
1/17/2023	Amazon	city wide cleaning supplies	SW	10-5-0095-0429	Dept Supplies	130.63		130.63	
1/17/2023	Amazon	parks uniforms work gloves	BG	10-5-0090-0420	Uniforms	147.36		147.36	314.83
1/17/2023	Amazon	streets uniforms work gloves	BG	10-5-0080-0420	Uniforms	36.84		36.84	
1/17/2023	Amazon	streets coffee phone case creamer	BG	10-5-0080-0429	Dept Supplies	49.76		49.76	
1/17/2023	Amazon	parks coffee & creamer label paper	BG	10-5-0090-0429	Dept Supplies	45.85		45.85	
1/17/2023	Amazon	water coffee & creamer	BG	60-5-0065-0429	Dept Supplies	29.09		29.09	153.78
1/17/2023	Amazon	sewer coffee & creamer	BG	60-5-0085-0429	Dept Supplies	29.08		29.08	
1/20/2023	Amazon	city hall cleaning supplies	SW	10-5-0095-0429	Dept Supplies	181.71		181.71	
1/23/2023	Amazon	city hall cleaning supplies	SW	10-5-0095-0429	Dept Supplies	2.47		2.47	
1/23/2023	Amazon	water nitral gloves	BG	60-5-0065-0429	Dept Supplies	44.50		44.50	
1/23/2023	Amazon	sewer nitral gloves	BG	60-5-0085-0429	Dept Supplies	44.49		44.49	88.99
1/23/2023	Amazon	city wide trash bags	BG	10-5-0095-0429	Dept Supplies	29.95		29.95	
1/25/2023	Blades Group	street repair material	BG	50-5-0080-0448	Street Repair materials	1,410.00		1,410.00	
1/26/2023	TRWA	treys training manual	BG	60-5-0065-0416	Employee Training	64.50		64.50	
1/26/2023	Sun Coast Learning	treys license training	BG	60-5-0065-0416	Employee Training	280.00		280.00	
1/26/2023	Amazon	public works office supplies	BG	10-5-0080-0421	Office Supplies	17.11		17.11	
1/26/2023	Amazon	public works office supplies	BG	60-5-0065-0421	Office Supplies				

[illegible]	[illegible]	public works office supplies	BG	60-5-0085-0421	Office Supplies	17.11		17.11
1/26/2023	Amazon	public works breakroom needs	BG	10-5-0090-0429	Dept Supplies	84.46		84.46
1/27/2023	Amazon	public works breakroom needs	BG	60-5-0085-0429	Dept Supplies	24.13		24.13
1/27/2023	Amazon	public works office needs	BG	60-5-0065-0421	Office Supplies	16.66		16.66
1/27/2023	Amazon	public works office needs	BG	60-5-0085-0421	Office Supplies	16.66		16.66
1/27/2023	Amazon	public works office needs	BG	10-5-0080-0421	Office Supplies	16.66		16.66
1/27/2023	Amazon	public works office needs	BG	10-5-0080-0421	Office Supplies	60.00		60.00
1/27/2023	Amazon	public works office needs	BG	60-5-0085-0421	Office Supplies	60.00		60.00
1/27/2023	Amazon	public works office needs	BG	60-5-0065-0421	Office Supplies	32.99		32.99
1/30/2023	Mr Jims	employee lunch during training	BG	10-5-0090-0495	Special Projects	13.04 ~~79.07~~	6.03	79.07
1/30/2023	Mr Jims	employee lunch during training	BG	10-5-0090-0495	Special Projects	39.98 ~~43.28~~	3.30	43.28
								-
otal Monthly Charges						~~3,601.04~~	-	3,601.04
						3,591.51	9.53	Total must agree with credit card statement

Cardholder Signature _____ Date 2/9/23

Finance ~~Director~~'s Signature Stacey Wyman Date 2/9/23

City Administrator's Signature Sonya Roberts Date 2/15/2023

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Casey Homesley

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/4/2023	Red Wing	Gerald boot allowance pd overage	BG	10-5-0080-0420	Uniforms	186.99		186.99
1/4/2023	Red Wing	Jimmy boot allowance no overage	BG	10-5-0080-0420	Uniforms	150.00		150.00
1/6/2023	Amazon	Refund for gloves	BG	60-5-0065-0429	Department Supplies	(81.50)		(81.50)
1/6/2023	Amazon	Refund for gloves	BG	60-5-0085-0429	Department Supplies	(81.50)		(81.50)
1/9/2023	Home Depot	Parks trimmer & safety gear	BG	10-5-0090-0433	Small Equipment	288.15		288.15
1/9/2023	Amazon	Winter gear	BG	60-5-0085-0420	Uniforms	(20.23)		(20.23)
1/9/2023	Amazon	Winter gear	BG	60-5-0065-0420	Uniforms	(20.22)		(20.22)
1/9/2023	TRWA	Water membership for discounts	BG	60-5-0065-0418	Dues & Memberships	764.10		764.10
1/9/2023	USPS	Stamps for DLQOR report	BG	60-5-0065-0423	Postage	38.20		38.20
1/9/2023	Amazon	Public works office supplies	BG	60-5-0065-0421	Office Supplies	26.14		26.14
1/9/2023	Amazon	Public works office supplies	BG	60-5-0085-0421	Office Supplies	26.15		26.15
1/9/2023	Amazon	Public works office supplies	BG	10-5-0080-0421	Office Supplies	26.14		26.14
1/11/2023	Amazon	Refund for labels	BG	60-5-0065-0421	Office Supplies	(2.16)		(2.16)
1/11/2023	Amazon	Refund for labels	BG	60-5-0085-0421	Office Supplies	(2.17)		(2.17)
1/11/2023	Amazon	Refund for labels	BG	10-5-0080-0421	Office Supplies	(2.16)		(2.16)
1/12/2023	TEEX Ecommerce	Refund for Jimmy's class cancelled	BG	60-5-0065-0416	Employee Training	(470.00)		(470.00)
								-
								-
								-
								-
Total Monthly Charges						825.93	-	825.93

Total must agree with credit card statement

Cardholder Signature No longer employed Date 2/14/23

Finance ~~Director's~~ Signature Stacey Wyman Date 2/14/23

City Administrator Signature Tonya Roberts Date 2/15/2023

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Oscar Ortiz

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/23/2023	University of Texas- RGV	Grant Writing Certificate-Continuing Education	OO	10-5-0046-0410	Employee Training	299.00		299.00
								-
								-
								-
								-
								-
						299.00	-	299.00

Total must agree with credit card statement

Cardholder Signature Oscar Ortiz Date 02/10/23

City Administrator's Signature Tonya Roberts Date 2/15/2023

ENTERED
BB-02.13.23

example of cc statement.xlsx

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Richard Allen

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/5/2023	TCFP	Fire Certification	R.Allen	10-5-0070-0418	Dues & Memberships	87.17		87.17
1/5/2023	SFFMA	Annual Dues	R.Allen	10-5-0070-0418	Dues & Memberships	610.00		610.00
1/9/2023	Wild Pitch	Lunch at Leadership Symposium	R.Allen	10-5-0070-0416	Employee Training	39.97	2.80	42.77
1/9/2023	Sling	PT FF scheduling software	R.Allen	10-5-0070-0465	Information Technology	23.73		23.73
1/10/2023	Norma's Café	Lunch at Leadership Symposium	R.Allen	10-5-0070-0416	Employee Training	42.64	2.89	45.53
1/11/2023	Petra's Naehstuebe	Uniform Embrodery	R.Allen	10-5-0070-0420	Uniforms	675.00		675.00
1/13/2023	NCTCOG	TCOLE Training	R.Allen	10-5-0070-0416	Employee Training	150.00		150.00
1/16/2023	Lowes	Parts to replace Kuzmal cord	R.Allen	10-5-0070-0445	Vehicle Maintenance	87.48		87.48
1/17/2023	Amazon	Wire for Impairment Tags	R.Allen	10-5-0070-0478	Fire Marshal	16.99		16.99
1/20/2023	Johnson County Tax Office	Service Fee for Vehicle Registration	R.Allen	10-5-0070-0445	Vehicle Maintenance	1.00		1.00
1/20/2023	Johnson County Tax Office	Vehicle Registration for 3 vehicles	R.Allen	10-5-0070-0445	Vehicle Maintenance	22.50		22.50
1/24/2023	ATT	Direct TV for station	R.Allen	10-5-0070-0465	Information Technology	103.44	6.75	110.19
1/25/2023	Johnson County Tax Office	Service Fee for Vehicle Registration	R.Allen	10-5-0070-0445	Vehicle Maintenance	1.00		1.00
1/25/2023	Johnson County Tax Office	Vehicle Registration for 1 vehicle	R.Allen	10-5-0070-0445	Vehicle Maintenance	8.25		8.25
1/26/2023	Lowes	Hardware for Bay Lights	R.Allen	10-5-0070-0442	Building Maintenance	55.40		55.40
1/27/2023	Amazon	Traffic Cones	R.Allen	10-5-0070-0433	Small Equipment	122.48		122.48
1/27/2023	Amazon	Lights for Bays	R.Allen	10-5-0070-0442	Building Maintenance	391.74		391.74
Total Monthly Charges						2,438.79	12.44	2,451.23

Total must agree with credit card statement

Cardholder Signature _____ Date 2/6/23

Finance ~~Director~~'s Signature Stacey Wyman Date 2/10/23

City Administrator Signature Tracy Roberts Date 2/15/2023

ENTERED
BB-02.13.23

City of Venus
Credit Card Charges -Pay Request

Cardholder N Melissa Westen

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/9/2023	Amazon	CD sleeves	MW	5-0050-0421	Office Supplies	33.15	-	33.15
1/9/2023	Amazon	DVD's	MW	5-0050-0421	Office Supplies	63.40	-	63.40
1/9/2023	Amazon	Badge holders and Badge reels	MW	5-0050-0421	Office Supplies	125.92	-	125.92
1/18/2023	Amazon	5lb pet food container	JC	5-0055-0429	Supplies	10.59	-	10.59
1/18/2023	Amazon	Award supplies	MW	5-0050-0421	Office Supplies	147.85	-	147.85
1/19/2023	City Hall Essentials-EB	Code Enforcement Training	JC	5-0055-0416	Training	150.00	-	150.00
1/20/2023	Amazon	35lb pet food container	JC	5-0055-0429	Supplies	32.99	-	32.99
1/27/2023	Texas Court Clerks Association	Membership Due — COURT	MW	10-5-0060-0418		55.00	-	55.00
1/30/2023	Galls	SAFETY VESTS	JG	5-0050-0420	Uniforms	115.00	-	115.00
1/30/2023	Hobby Lobby	Life Saving Award Frames and Supplies	MW	5-0050-0429	Supplies	49.44	-	49.44
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
Total Monthly Charges						783.34	-	783.34

agree with

Cardholder Signature Melissa Westen Date 02/08/23

Finance Director Signature Stacey Nyman Date 2/10/23

City Administrator's Signature Tonya Roberts Date 2/15/2023

ENTERED
BB-02.18.23

City of Venus
Credit Card Charges -Pay Request

Cardholder N Jason Gordon

Payee: Citi Bank Master Card

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Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/17/2023	Tx.Gov	Registrations	Gordon	5-0050-0445	Vehicle R & M	6.00	-	6.00
1/18/2023	Amazon	Gun Lights/card holders	Gordon	5-0050-0420	Uniforms	318.86	-	318.86
1/17/2023	Johnson County Veh Reg	Vehicle Registrations	Gordon	5-0050-0445	Vehicle R & M	24.75	-	24.75
1/18/2023	Tx.Gov	Vehicle Registrations	Gordon	5-0050-0445	Vehicle R & M	2.00	-	2.00
1/18/2023	Johnson County Veh Reg	Vehicle Registrations	Gordon	5-0050-0445	Vehicle R & M	8.25	-	8.25
1/19/2023	Amazon	Paper Towels	Gordon	5-0050-0429	Supplies	17.84	-	17.84
1/19/2023	Amazon	Windshield Washer Fluid	Gordon	5-0050-0445	Vehicle R & M	38.00	-	38.00
1/20/2023	Amazon	Red Pens	Gordon	5-0050-0429	Supplies	12.69	-	12.69
1/24/2023	Amazon	Duty Belt	Gordon	5-0050-0420	Uniforms	63.98	-	63.98
1/24/2023	Amazon	Magazine Pouches	Gordon	5-0050-0420	Uniforms	77.64		77.64
1/29/2023	Amazon	Torniquet Holders	Gordon	5-0050-0420	Uniforms	219.53		219.53
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
							-	-
Total Monthly Charges						789.54	-	789.54

agree with

Cardholder Signature _____ Date 2-8-23

Finance Director Signature _____ Date 2/10/23

City Administrator's Signature _____ Date 2/15/2023

ENTERED
BB-02.13.23

City of Venus
Credit Card Charges -Pay Request

Cardholder Name: Tonya Roberts

Payee: Citi Bank Master Card

ORIGINAL RECEIPTS MUST BE ATTACHED TO THIS FORM. PLEASE TAPE RECEIPTS TO 8.5 X 11 SHEET OF PAPER.
MISSING RECEIPTS MUST BE REPLACED WITH A COMPLETED "LOST RECEIPT TEMPLATE" FORM SIGNED BY THE CITY ADMINISTRATOR.

Date	Vendor Name	Description/Purpose of Charge	Employee Initiating Purchase	GL Code # 5-XXXX-XXXX	GL Acct Description	Charge Amount	Sales Taxes Paid	Total Charge
1/9/2023	Full Identity	BADGE C SMITH	SW	10-5-0030-0468	info technology	30.50		30.50
1/19/2023	Full Identity	BADGE G MEIDL	SW	10-5-0030-0468	info technology	30.50		30.50
1/11/2023	Go To Com/Go to connect	CITY TELEPHONE LINES	TR	10-5-0095-0431	TELEPHONE SYSTEM	864.55		864.55
1/17/2023	Amazon	DISPOSABLE GLOVES	SW	10-5-0095-0429	DEPT SUPPLIES	19.92		19.92
1/17/2023	Amazon	TOLIET PAPER	SW	10-5-0095-0429	DEPT SUPPLIES	69.98		69.98
		HR FOLDERS, ENVELOPE MOISTNERS	SW	10-5-0030-0429	DEPT SUPPLIES	32.92		32.92
1/18/2023	Amazon	W2 FORMS AND ENVELOPES	SW	10-5-0095-0429	DEPT SUPPLIES	124.57		124.57
1/19/2023	Adobe	MONTHLY SUBSCRIPTIONS	TR	10-5-0095-0468	info technology	244.90		244.90
1/20/2023	Amazon	1099 MISC FORMS	SW	10-5-0025-0429	DEPT SUPPLIES	57.98		57.98
1/23/2023	Office Depot	PURCHASE ORDER BOOK	TR	10-5-0025-0429	DEPT SUPPLIES	18.49		18.49
1/30/2023	Johnson Co clerks	AGREEMENT FILING	TR	10-5-0015-0492	RECORDING/FILING FIEES	60.90		60.90
2/3/2023	Society for HR	HR MEMBERSHIP DUES	SW	10-5-0030-0418	DUES AND MEM	229.00		229.00
								-
Total Monthly Charges						1,784.21	-	1,784.21

102.90

Total must agree with credit card statement

Cardholder Signatu Tonya Roberts 2/9/2023

Finance ~~Director~~'s Signature Stacey Wyman Date 2/9/2023

City Administrator Signature Tonya Roberts Date 2/9/2023

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
FEES & SERVICES	13,050.00	2,624.00	8,665.00	66.40	4,385.00
FINES & FORFEITURES	109,700.00	7,260.98	36,575.78	33.34	73,124.22
FRANCHISE TAXES	145,000.00	25,830.88	45,614.39	31.46	99,385.61
PROPERTY TAXES	2,404,288.00	351,378.38	2,277,685.75	94.73	126,602.25
SALES TAXES	888,950.00	109,088.01	392,203.17	44.12	496,746.83
CONTRIBUTIONS	232,327.00	0.00	0.00	0.00	232,327.00
INTEREST	21,000.00	0.00	38,086.56	181.36	(17,086.56)
LICENSES & PERMITS	665,280.00	37,642.31	149,623.52	22.49	515,656.48
MISCELLANEOUS	5,000.00	0.00	5,223.63	104.47	(223.63)
INTERGOVERNMENTAL	462,079.00	34,070.23	169,614.28	36.71	292,464.72
OTHER FIN SOURCE (USE)	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	4,946,674.00	567,894.79	3,123,292.08	63.14	1,823,381.92
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	110,899.00	0.00	84,332.48	76.04	26,566.52
CITY ADMINISTRATOR OFFICE	192,797.00	16,026.02	68,754.28	35.66	124,042.72
CITY SECRETARY	155,870.00	6,024.82	55,656.88	35.71	100,213.12
PLANNING & DEVELOPMENT	317,807.00	7,777.55	9,032.85	2.84	308,774.15
FINANCE DEPARTMENT	160,222.00	1,600.76	47,500.52	29.65	112,721.48
HUMAN RESOURCES	134,627.00	6,413.44	52,991.44	39.36	81,635.56
ECONOMIC DEVELOPMENT	0.00	1,154.38	11,952.49	0.00	(11,952.49)
PERMITS & INSPECTIONS	166,515.00	6,208.78	46,031.02	27.64	120,483.98
POLICE DEPARTMENT	2,030,421.00	88,224.34	765,282.88	37.69	1,265,138.12
CODE ENFORCE/ANIMAL CONTR	100,198.00	3,955.13	32,308.31	32.24	67,889.69
MUNICIPAL COURT	97,392.00	4,784.80	38,274.64	39.30	59,117.36
FIRE DEPARTMENT	840,493.00	42,066.10	234,690.80	27.92	605,802.20
STREETS	297,931.00	11,632.83	75,091.18	25.20	222,839.82
PARKS & RECREATION	330,397.00	12,562.08	80,633.81	24.41	249,763.19
CITY-WIDE (NONDEPARTMENTA	218,820.00	6,893.51	86,197.21	39.39	132,622.79
TOTAL EXPENDITURES	5,154,389.00	215,324.54	1,688,730.79	32.76	3,465,658.21
REVENUES OVER/(UNDER) EXPENDITURES	(207,715.00)	352,570.25	1,434,561.29		(1,642,276.29)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
FEES & SERVICES					
10-4-0000-0321 ACCIDENT REPORT	450.00	34.00	184.00	40.89	266.00
10-4-0000-0322 COMMUNITY CENTER RENTAL	6,500.00	1,715.00	6,970.00	107.23	(470.00)
10-4-0000-0323 PARK RENTALS	5,000.00	875.00	900.00	18.00	4,100.00
10-4-0000-0324 COPY MACHINE	100.00	0.00	6.00	6.00	94.00
10-4-0000-0327 SPECIAL EVENT APPLICATIO	1,000.00	0.00	605.00	60.50	395.00
TOTAL FEES & SERVICES	13,050.00	2,624.00	8,665.00	66.40	4,385.00
FINES & FORFEITURES					
10-4-0000-0329 RESTITUTIONS	0.00	30.00	240.00	0.00	(240.00)
10-4-0000-0330 ESCROW ACCOUNT REVENUES	0.00	0.00	0.00	0.00	0.00
10-4-0000-0331 ADMINISTRATIVE/OTHER FEE	42,000.00	1,149.52	4,291.86	10.22	37,708.14
10-4-0000-0332 COURT TECHNOLOGY FUND	0.00	0.00	0.00	0.00	0.00
10-4-0000-0333 MUNICIPAL COURT BLDG FUN	0.00	0.00	0.00	0.00	0.00
10-4-0000-0334 FINES	66,000.00	5,904.17	31,616.13	47.90	34,383.87
10-4-0000-0335 TIME PAYMENT	900.00	177.29	427.79	47.53	472.21
10-4-0000-0336 NSF FEES	0.00	0.00	0.00	0.00	0.00
10-4-0000-0337 ALARM FINES	800.00	0.00	0.00	0.00	800.00
10-4-0000-0338 STATE FEES	0.00	0.00	0.00	0.00	0.00
10-4-0000-0339 TRUANCY PREVENTION FEES	0.00	0.00	0.00	0.00	0.00
TOTAL FINES & FORFEITURES	109,700.00	7,260.98	36,575.78	33.34	73,124.22
FRANCHISE TAXES					
10-4-0000-0340 FRANCHISE TAX	145,000.00	25,830.88	45,614.39	31.46	99,385.61
TOTAL FRANCHISE TAXES	145,000.00	25,830.88	45,614.39	31.46	99,385.61
PROPERTY TAXES					
10-4-0000-0342 PENALTY & INTEREST	20,000.00	1,548.17	3,180.97	15.90	16,819.03
10-4-0000-0343 DELINQUENT PROPERTY TAXE	0.00	767.86	7,527.08	0.00	(7,527.08)
10-4-0000-0344 CURRENT PROPERTY TAX	2,384,288.00	349,062.35	2,266,977.70	95.08	117,310.30
10-4-0000-0345 PID ASSESSMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL PROPERTY TAXES	2,404,288.00	351,378.38	2,277,685.75	94.73	126,602.25
SALES TAXES					
10-4-0000-0346 SALES TAX	713,000.00	87,270.41	313,762.55	44.01	399,237.45
10-4-0000-0347 SALES TAX (PT RELIEF)	175,950.00	21,817.60	78,440.62	44.58	97,509.38
10-4-0000-0349 CREDIT CARD FEES	0.00	0.00	0.00	0.00	0.00
TOT ALES TAXES	888,950.00	109,088.01	392,203.17	44.12	496,746.83
CONT TIONS					
10- 00-0350 PAYMENT IN LIEU OF TAXES	0.00	0.00	0.00	0.00	0.00
10- 00-0351 PAYMENT IN LIEU OF TAXES	122,696.00	0.00	0.00	0.00	122,696.00
10- 00-0352 DONATIONS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
10-4-0000-0355 VCSDC CONTRIBUTIONS	109,631.00	0.00	0.00	0.00	109,631.00
TOTAL CONTRIBUTIONS	232,327.00	0.00	0.00	0.00	232,327.00
INTEREST					
10-4-0000-0360 INTEREST	21,000.00	0.00	38,086.56	181.36	(17,086.56)
TOTAL INTEREST	21,000.00	0.00	38,086.56	181.36	(17,086.56)
LICENSES & PERMITS					
10-4-0000-0361 ALCOHOL PERMITS	860.00	60.00	150.00	17.44	710.00
10-4-0000-0362 BUILDING INSPECTION FEES	250,000.00	0.00	0.00	0.00	250,000.00
10-4-0000-0363 ZONING FEES	15,020.00	0.00	0.00	0.00	15,020.00
10-4-0000-0364 ANIMAL REGISTRATION	500.00	0.00	150.00	30.00	350.00
10-4-0000-0365 DEVELOPMENT FEES	75,900.00	0.00	0.00	0.00	75,900.00
10-4-0000-0366 LICENSE & PERMITS	100,000.00	37,582.31	149,123.52	149.12	(49,123.52)
10-4-0000-0367 PLAN REVIEWS	200,000.00	0.00	0.00	0.00	200,000.00
10-4-0000-0368 PARK FEES	18,000.00	0.00	0.00	0.00	18,000.00
10-4-0000-0369 RESIDENTIAL RENTAL PROPE	5,000.00	0.00	200.00	4.00	4,800.00
TOTAL LICENSES & PERMITS	665,280.00	37,642.31	149,623.52	22.49	515,656.48
MISCELLANEOUS					
10-4-0000-0370 VVFD CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
10-4-0000-0371 POLICE EXPLORER	0.00	0.00	0.00	0.00	0.00
10-4-0000-0372 INSURANCE PROCEEDS	0.00	0.00	4,324.85	0.00	(4,324.85)
10-4-0000-0373 MISCELLANEOUS	5,000.00	0.00	898.78	17.98	4,101.22
10-4-0000-0374 VFD-REIMBURSE FOR TRUCKS	0.00	0.00	0.00	0.00	0.00
10-4-0000-0375 TML WC INS PROCEEDS	0.00	0.00	0.00	0.00	0.00
10-4-0000-0376 CASH OVER (SHORT)	0.00	0.00	0.00	0.00	0.00
10-4-0000-0377 DONATIONS	0.00	0.00	0.00	0.00	0.00
10-4-0000-0378 AUDIT ADJUSTMENTS	0.00	0.00	0.00	0.00	0.00
10-4-0000-0379 PROCEEDS FROM SALE OF AS	0.00	0.00	0.00	0.00	0.00
TOTAL MISCELLANEOUS	5,000.00	0.00	5,223.63	104.47	(223.63)
INTERGOVERNMENTAL					
10-4-0000-0381 GRANT REVENUE	25,000.00	1,113.51	1,113.51	4.45	23,886.49
10-4-0000-0382 JOHNSON CO ESD CONTRACT	385,079.00	32,956.72	168,500.77	43.76	216,578.23
10-4-0000-0383 JOHNSON CO EMP INCENTIVE	0.00	0.00	0.00	0.00	0.00
10-4-0000-0384 ESD - ELLIS COUNTY	47,000.00	0.00	0.00	0.00	47,000.00
10-4-0000-0386 VENUSISD-ELECTIONSREIMBU	5,000.00	0.00	0.00	0.00	5,000.00
10-4-0000-0388 W & S TRANSFERS IN	0.00	0.00	0.00	0.00	0.00
10-4-0000-0389 TRANSFERS OUT	0.00	0.00	0.00	0.00	0.00
10-[illegible]00-0390 FUND BALANCE FORWARD	0.00	0.00	0.00	0.00	0.00
TOT[illegible]NTERGOVERNMENTAL	462,079.00	34,070.23	169,614.28	36.71	292,464.72

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
OTHER FIN SOURCE (USE)					
10-4-0000-0400 LOAN PROCEEDS	0.00	0.00	0.00	0.00	0.00
TOTAL OTHER FIN SOURCE (USE)	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	4,946,674.00	567,894.79	3,123,292.08	63.14	1,823,381.92

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SPECIAL PROJECTS					
10-5-0000-0499 LEASE PRINCIPAL EXPENSE	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
DEBT PAYMENTS					
10-5-0000-0500 LEASE INTEREST EXPENSE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0501 NOTE PRINCIPAL EXPENSE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0502 NOTE INTEREST EXPENSE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0505 NOTES PAYABLE-ADMIN	0.00	0.00	0.00	0.00	0.00
10-5-0000-0506 CAPITAL LEASE - PRINCIPA	79,908.00	0.00	79,943.67	100.04	(35.67)
10-5-0000-0507 CAPITAL LEASE-INTEREST	4,423.00	0.00	4,387.15	99.19	35.85
10-5-0000-0510 LEASE PAYMENT - FIRE	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT PAYMENTS	84,331.00	0.00	84,330.82	100.00	0.18
CAPITAL OUTLAY					
10-5-0000-0661 AC UNIT - CITY HALL	0.00	0.00	0.00	0.00	0.00
10-5-0000-0662 CAP OUT-VEHICLE PURCHASE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0663 CAP OUT-FLAG POLE LANDSC	0.00	0.00	0.00	0.00	0.00
10-5-0000-0664 CAP OUT-IT SWITCHES	0.00	0.00	0.00	0.00	0.00
10-5-0000-0665 CAP OUT-LANDSCAPE TRAILE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0666 PATCH TRAILER	0.00	0.00	0.00	0.00	0.00
10-5-0000-0667 POLICE VEHICLES	0.00	0.00	0.00	0.00	0.00
10-5-0000-0668 ANIMAL CONTROL TRUCK	0.00	0.00	0.00	0.00	0.00
10-5-0000-0669 CAP OUT - MOW TRIM	0.00	0.00	0.00	0.00	0.00
10-5-0000-0670 STORAGE ROOM ADMIN AREA	0.00	0.00	0.00	0.00	0.00
10-5-0000-0671 AUDIO SYSTEM-CIVIC CENTE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0672 POLICE SIMULATOR	0.00	0.00	0.00	0.00	0.00
10-5-0000-0673 MYGOV SOFTWARE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0674 HR OFFICE RENOVATION	0.00	0.00	0.00	0.00	0.00
10-5-0000-0675 FUEL STATION & SOFTWARE	0.00	0.00	0.00	0.00	0.00
10-5-0000-0676 WEATHER SIREN UPGRADES	0.00	0.00	0.00	0.00	0.00
10-5-0000-0677 DRAINAGE TRACTOR	0.00	0.00	0.00	0.00	0.00
10-5-0000-0678 MOWER	0.00	0.00	0.00	0.00	0.00
10-5-0000-0679 CITY HALL SEPTIC SYSTEM	0.00	0.00	0.00	0.00	0.00
10-5-0000-0680 CAPITAL EXPENDITURES - F	0.00	0.00	0.00	0.00	0.00
10-5-0000-0681 EXTRACTOR & DRYING CABIN	0.00	0.00	0.00	0.00	0.00
10-5-0000-0682 LAND PURCHASE	0.00	0.00	1.66	0.00	(1.66)
10-5-0000-0683 SERVER	15,000.00	0.00	0.00	0.00	15,000.00
10-5-0000-0684 FLEET CAMERA REPLACEMENT	1,700.00	0.00	0.00	0.00	1,700.00
10-5-0000-0685 LIDAR REPLACEMENT	4,500.00	0.00	0.00	0.00	4,500.00
10-[illegible]000-0686 2-CAMERA SYSTEM INTERVIE	5,368.00	0.00	0.00	0.00	5,368.00
TOT[illegible]APITAL OUTLAY	26,568.00	0.00	1.66	0.01	26,566.34

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
TRANSFERS					
10-5-0000-0751 TRANSFER TO (FROM) OTHER	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	110,899.00	0.00	84,332.48	76.04	26,566.52

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY ADMINISTRATOR OFFICE

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0010-0400 SALARIES & WAGES	76,745.00	2,863.01	28,671.09	37.36	48,073.91
10-5-0010-0401 SOCIAL SECURITY TAXES	4,758.00	354.31	1,771.25	37.23	2,986.75
10-5-0010-0402 STATE UNEMPLOYMENT TAXES	126.00	0.00	0.00	0.00	126.00
10-5-0010-0403 MEDICARE TAXES	1,113.00	82.87	414.27	37.22	698.73
10-5-0010-0404 RETIREMENT (TMRS)	8,191.00	310.51	3,081.70	37.62	5,109.30
10-5-0010-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0010-0406 WORKERS COMPENSATION	171.00	0.00	128.50	75.15	42.50
10-5-0010-0410 HEALTH INSURANCE	5,459.00	449.72	2,084.08	38.18	3,374.92
10-5-0010-0412 HRA	250.00	0.00	0.00	0.00	250.00
TOTAL PERSONNEL	96,813.00	4,060.42	36,150.89	37.34	60,662.11
TRAVEL & TRAINING					
10-5-0010-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0010-0416 TRAVEL & TRAINING	1,500.00	0.00	0.00	0.00	1,500.00
10-5-0010-0418 DUES & MEMBERSHIPS	2,500.00	0.00	0.00	0.00	2,500.00
TOTAL TRAVEL & TRAINING	4,000.00	0.00	0.00	0.00	4,000.00
SUPPLIES					
10-5-0010-0420 UNIFORMS	0.00	0.00	0.00	0.00	0.00
10-5-0010-0421 OFFICE SUPPLIES	500.00	0.00	0.00	0.00	500.00
10-5-0010-0423 POSTAGE	0.00	0.00	19.20	0.00	(19.20)
10-5-0010-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0010-0426 GAS & OIL	2,000.00	0.00	0.00	0.00	2,000.00
10-5-0010-0429 DEPARTMENT SUPPLIES	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL SUPPLIES	3,500.00	0.00	19.20	0.55	3,480.80
UTILITIES					
10-5-0010-0430 CELL PHONES & MIFI	684.00	0.00	184.81	27.02	499.19
10-5-0010-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	684.00	0.00	184.81	27.02	499.19
SMALL EQUIPMENT					
10-5-0010-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10-[illegible]10-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
10-[illegible]10-0445 VEHICLE R&M	500.00	263.99	404.99	81.00	95.01
10-[illegible]10-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOT[illegible]AINTENANCE & REPAIRS	500.00	263.99	404.99	81.00	95.01

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY ADMINISTRATOR OFFICE

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0010-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10-5-0010-0462 LEGAL SERVICES	53,400.00	10,400.00	26,000.00	48.69	27,400.00
10-5-0010-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
10-5-0010-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	53,400.00	10,400.00	26,000.00	48.69	27,400.00
DEPARTMENTAL					
10-5-0010-0477 ADMIN DONATIONS	5,100.00	0.00	0.00	0.00	5,100.00
10-5-0010-0485 MAYOR'S PROJECTS	10,000.00	174.54	174.54	1.75	9,825.46
TOTAL DEPARTMENTAL	15,100.00	174.54	174.54	1.16	14,925.46
SPECIAL PROJECTS					
10-5-0010-0495 CITY ADMIN SPECIAL PROJE	7,000.00	174.55	1,191.46	17.02	5,808.54
TOTAL SPECIAL PROJECTS	7,000.00	174.55	1,191.46	17.02	5,808.54
VEHICLE LEASES					
10-5-0010-0560 VEHICLE LEASE PAYMENTS	10,800.00	892.03	4,299.64	39.81	6,500.36
10-5-0010-0561 VEHICLE MAKE-READY	0.00	0.00	0.00	0.00	0.00
10-5-0010-0562 VEHICLE MAINT PLAN	1,000.00	60.49	328.75	32.88	671.25
TOTAL VEHICLE LEASES	11,800.00	952.52	4,628.39	39.22	7,171.61
TOTAL CITY ADMINISTRATOR OFFICE	192,797.00	16,026.02	68,754.28	35.66	124,042.72

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY SECRETARY

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0015-0400 SALARIES & WAGES	88,887.00	3,412.80	34,284.00	38.57	54,603.00
10-5-0015-0401 SOCIAL SECURITY TAXES	5,511.00	423.13	2,125.12	38.56	3,385.88
10-5-0015-0402 STATE UNEMPLOYMENT TAXES	252.00	0.00	0.00	0.00	252.00
10-5-0015-0403 MEDICARE TAXES	1,289.00	98.96	496.98	38.56	792.02
10-5-0015-0404 RETIREMENT (TMRS)	9,486.00	370.89	3,680.13	38.80	5,805.87
10-5-0015-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0015-0406 WORKERS COMPENSATION	198.00	0.00	93.00	46.97	105.00
10-5-0015-0410 HEALTH INSURANCE	10,517.00	883.14	4,415.70	41.99	6,101.30
10-5-0015-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	116,640.00	5,188.92	45,094.93	38.66	71,545.07
TRAVEL & TRAINING					
10-5-0015-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0015-0416 EMPLOYEE TRAINING	2,000.00	0.00	119.00	5.95	1,881.00
10-5-0015-0417 CITY COUNCIL TRAINING	5,000.00	0.00	463.75	9.28	4,536.25
10-5-0015-0418 DUES & MEMBERSHIPS	400.00	100.00	150.00	37.50	250.00
TOTAL TRAVEL & TRAINING	7,400.00	100.00	732.75	9.90	6,667.25
SUPPLIES					
10-5-0015-0421 OFFICE SUPPLIES	120.00	0.00	57.98	48.32	62.02
10-5-0015-0423 POSTAGE	100.00	0.00	0.00	0.00	100.00
10-5-0015-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0015-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
10-5-0015-0429 DEPARTMENT SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES	220.00	0.00	57.98	26.35	162.02
UTILITIES					
10-5-0015-0430 CELL PHONES & MIFI	1,368.00	0.00	363.03	26.54	1,004.97
10-5-0015-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	1,368.00	0.00	363.03	26.54	1,004.97
SMALL EQUIPMENT					
10-5-0015-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10-[illegible]15-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
10-[illegible]15-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
10-[illegible]15-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOT[illegible]AINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY SECRETARY

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0015-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10-5-0015-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0015-0468 INFORMATION TECHNOLOGY	5,000.00	0.00	4,774.05	95.48	225.95
10-5-0015-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	5,000.00	0.00	4,774.05	95.48	225.95
DEPARTMENTAL					
10-5-0015-0490 ELECTION EXPENSES	12,342.00	0.00	0.00	0.00	12,342.00
10-5-0015-0491 LEGAL NOTICES	3,500.00	0.00	153.25	4.38	3,346.75
10-5-0015-0492 RECORDING/FILING FEES	3,000.00	60.90	60.90	2.03	2,939.10
10-5-0015-0493 COUNCIL MISCELLANEOUS	1,400.00	0.00	44.99	3.21	1,355.01
10-5-0015-0494 CODIFICATION	5,000.00	675.00	4,375.00	87.50	625.00
TOTAL DEPARTMENTAL	25,242.00	735.90	4,634.14	18.36	20,607.86
SPECIAL PROJECTS					
10-5-0015-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL CITY SECRETARY	155,870.00	6,024.82	55,656.88	35.71	100,213.12

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PLANNING & DEVELOPMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0020-0400 SALARIES & WAGES	169,932.00	3,713.12	44,418.00	26.14	125,514.00
10-5-0020-0401 SOCIAL SECURITY TAXES	10,536.00	430.57	2,657.95	25.23	7,878.05
10-5-0020-0402 STATE UNEMPLOYMENT TAXES	756.00	0.00	4.77	0.63	751.23
10-5-0020-0403 MEDICARE TAXES	2,464.00	100.70	621.64	25.23	1,842.36
10-5-0020-0404 RETIREMENT (TMRS)	18,136.00	403.26	4,775.06	26.33	13,360.94
10-5-0020-0405 OVERTIME	0.00	0.00	43.04	0.00	(43.04)
10-5-0020-0406 WORKERS COMP	379.00	0.00	189.00	49.87	190.00
10-5-0020-0410 HEALTH INSURANCE	35,800.00	431.08	6,461.48	18.05	29,338.52
10-5-0020-0412 HRA	1,500.00	0.00	0.00	0.00	1,500.00
TOTAL PERSONNEL	239,503.00	5,078.73	59,170.94	24.71	180,332.06
TRAVEL & TRAINING					
10-5-0020-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0020-0416 EMPLOYEE TRAINING	4,000.00	0.00	336.88	8.42	3,663.12
10-5-0020-0418 DUES & MEMBERSHIPS	600.00	0.00	250.00	41.67	350.00
TOTAL TRAVEL & TRAINING	4,600.00	0.00	586.88	12.76	4,013.12
SUPPLIES					
10-5-0020-0421 OFFICE SUPPLIES	5,500.00	102.34	182.23	3.31	5,317.77
10-5-0020-0423 POSTAGE	1,250.00	13.92	37.85	3.03	1,212.15
10-5-0020-0426 GAS & OIL	2,080.00	0.00	190.22	9.15	1,889.78
10-5-0020-0429 DEPARTMENT SUPPLIES	1,000.00	150.98	248.87	24.89	751.13
TOTAL SUPPLIES	9,830.00	267.24	659.17	6.71	9,170.83
UTILITIES					
10-5-0020-0430 CELL PHONES & MIFI	1,368.00	0.00	450.36	32.92	917.64
TOTAL UTILITIES	1,368.00	0.00	450.36	32.92	917.64
SMALL EQUIPMENT					
10-5-0020-0433 SMALL EQUIPMENT<$5,000	750.00	0.00	0.00	0.00	750.00
TOTAL SMALL EQUIPMENT	750.00	0.00	0.00	0.00	750.00
MAINTENANCE & REPAIRS					
10-5-0020-0445 VEHICLE R&M	0.00	29.75	84.21	0.00	(84.21)
TOTAL MAINTENANCE & REPAIRS	0.00	29.75	84.21	0.00	(84.21)
CONT 'ED SERVICES					
10- 20-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10- 20-0462 LEGAL SERVICES	2,000.00	1,000.00	5,802.00	290.10	(3,802.00)
10- 20-0464 ENGINEERING SERVICES	0.00	0.00	1,019.36	0.00	(1,019.36)
10- 20-0465 NON-CIVIL INSPECTIONS	20,000.00	0.00	13,485.00	67.43	6,515.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PLANNING & DEVELOPMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
10-5-0020-0466 CIVIL INSPECTIONS	0.00	0.00	(78,804.76)	0.00	78,804.76
10-5-0020-0467 HEALTH INSPECTIONS	12,000.00	0.00	0.00	0.00	12,000.00
10-5-0020-0468 INFORMATION TECHNOLOGY	16,988.00	9.99	1,433.76	8.44	15,554.24
10-5-0020-0469 LIABILITY & PROPERTY	0.00	0.00	310.00	0.00	(310.00)
TOTAL CONTRACTED SERVICES	50,988.00	1,009.99	(56,754.64)	111.31-	107,742.64
DEPARTMENTAL					
10-5-0020-0488 MERCHANT SERVICE FEES	0.00	0.00	535.13	0.00	(535.13)
10-5-0020-0491 LEGAL NOTICES	1,000.00	0.00	0.00	0.00	1,000.00
10-5-0020-0492 RECORDING/FILING FEES	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	1,000.00	0.00	535.13	53.51	464.87
SPECIAL PROJECTS					
10-5-0020-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
10-5-0020-0560 VEHICLE LEASE PAYMENTS	8,768.00	1,308.90	4,099.18	46.75	4,668.82
10-5-0020-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
10-5-0020-0562 VEHICLE MAINT PLAN	1,000.00	82.94	201.62	20.16	798.38
TOTAL VEHICLE LEASES	9,768.00	1,391.84	4,300.80	44.03	5,467.20
TOTAL PLANNING & DEVELOPMENT	317,807.00	7,777.55	9,032.85	2.84	308,774.15

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
FINANCE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0025-0400 SALARIES & WAGES	76,528.00	760.59	18,948.78	24.76	57,579.22
10-5-0025-0401 SOCIAL SECURITY TAXES	4,745.00	96.42	1,179.48	24.86	3,565.52
10-5-0025-0402 STATE UNEMPLOYMENT TAXES	252.00	0.00	0.00	0.00	252.00
10-5-0025-0403 MEDICARE TAXES	1,110.00	22.55	275.85	24.85	834.15
10-5-0025-0404 RETIREMENT (TMRS)	8,167.00	82.77	2,033.60	24.90	6,133.40
10-5-0025-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0025-0406 WORKERS COMPENSATION	171.00	0.00	190.00	111.11	(19.00)
10-5-0025-0410 HEALTH INSURANCE	12,864.00	429.29	2,870.96	22.32	9,993.04
10-5-0025-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	104,337.00	1,391.62	25,498.67	24.44	78,838.33
TRAVEL & TRAINING					
10-5-0025-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0025-0416 EMPLOYEE TRAINING	1,500.00	0.00	0.00	0.00	1,500.00
10-5-0025-0418 DUES & MEMBERSHIPS	1,120.00	0.00	120.00	10.71	1,000.00
TOTAL TRAVEL & TRAINING	2,620.00	0.00	120.00	4.58	2,500.00
SUPPLIES					
10-5-0025-0421 OFFICE SUPPLIES	150.00	0.00	51.91	34.61	98.09
10-5-0025-0423 POSTAGE	1,500.00	29.20	188.57	12.57	1,311.43
10-5-0025-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0025-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
10-5-0025-0429 DEPARTMENT SUPPLIES	1,000.00	143.94	272.92	27.29	727.08
TOTAL SUPPLIES	2,650.00	173.14	513.40	19.37	2,136.60
UTILITIES					
10-5-0025-0430 CELL PHONES & MIFI	0.00	0.00	0.00	0.00	0.00
10-5-0025-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	0.00	0.00	0.00	0.00	0.00
SMALL EQUIPMENT					
10-5-0025-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10-5-0025-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
10-5-0025-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
10-5-0025-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
FINANCE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0025-0459 AUDIT SERVICES	16,250.00	0.00	0.00	0.00	16,250.00
10-5-0025-0460 OTHER CONTRACTED SERVICE	0.00	0.00	8,516.00	0.00	(8,516.00)
10-5-0025-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0025-0463 APPRAISAL/COLLECTION FEE	31,365.00	0.00	8,842.70	28.19	22,522.30
10-5-0025-0468 INFORMATION TECHNOLOGY	3,000.00	0.00	3,083.88	102.80	(83.88)
10-5-0025-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	50,615.00	0.00	20,442.58	40.39	30,172.42
DEPARTMENTAL					
10-5-0025-0470 TO BE ALLOCATED	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
10-5-0025-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
10-5-0025-0499 LATE FEES	0.00	36.00	925.87	0.00	(925.87)
TOTAL SPECIAL PROJECTS	0.00	36.00	925.87	0.00	(925.87)
TOTAL FINANCE DEPARTMENT	160,222.00	1,600.76	47,500.52	29.65	112,721.48

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
HUMAN RESOURCES

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0030-0400 SALARIES & WAGES	81,341.00	3,595.83	34,846.30	42.84	46,494.70
10-5-0030-0401 SOCIAL SECURITY TAXES	5,043.00	446.40	2,165.14	42.93	2,877.86
10-5-0030-0402 STATE UNEMPLOYMENT TAXES	252.00	0.00	0.00	0.00	252.00
10-5-0030-0403 MEDICARE TAXES	1,179.00	104.40	506.36	42.95	672.64
10-5-0030-0404 RETIREMENT (TMRS)	8,681.00	390.49	3,746.69	43.16	4,934.31
10-5-0030-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0030-0406 WORKERS COMPENSATION	181.00	0.00	58.50	32.32	122.50
10-5-0030-0410 HEALTH INSURANCE	10,470.00	92.38	461.90	4.41	10,008.10
10-5-0030-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	107,647.00	4,629.50	41,784.89	38.82	65,862.11
TRAVEL & TRAINING					
10-5-0030-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0030-0416 EMPLOYEE TRAINING	3,240.00	0.00	79.95	2.47	3,160.05
10-5-0030-0418 DUES & MEMBERSHIPS	850.00	229.00	229.00	26.94	621.00
TOTAL TRAVEL & TRAINING	4,090.00	229.00	308.95	7.55	3,781.05
SUPPLIES					
10-5-0030-0421 OFFICE SUPPLIES	1,000.00	0.00	58.00	5.80	942.00
10-5-0030-0423 POSTAGE	250.00	0.00	0.00	0.00	250.00
10-5-0030-0425 COPIERS	3,800.00	0.00	625.71	16.47	3,174.29
10-5-0030-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
10-5-0030-0429 DEPARTMENT SUPPLIES	200.00	40.91	81.37	40.69	118.63
TOTAL SUPPLIES	5,250.00	40.91	765.08	14.57	4,484.92
UTILITIES					
10-5-0030-0430 CELL PHONES & MIFI	540.00	0.00	202.75	37.55	337.25
10-5-0030-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	540.00	0.00	202.75	37.55	337.25
SMALL EQUIPMENT					
10-5-0030-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10-5-0030-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
10-5-0030-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
10-5-0030-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
HUMAN RESOURCES

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0030-0460 OTHER CONTRACTED SERVICE	0.00	231.75	1,178.95	0.00	(1,178.95)
10-5-0030-0462 LEGAL SERVICES	1,000.00	0.00	0.00	0.00	1,000.00
10-5-0030-0468 INFORMATION TECHNOLOGY	0.00	183.50	652.00	0.00	(652.00)
10-5-0030-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	1,000.00	415.25	1,830.95	183.10	(830.95)
DEPARTMENTAL					
10-5-0030-0475 EMPLOYEE RELATIONS	13,240.00	628.78	6,318.32	47.72	6,921.68
10-5-0030-0476 NEW HIRE SCREENING	2,860.00	470.00	1,780.50	62.26	1,079.50
TOTAL DEPARTMENTAL	16,100.00	1,098.78	8,098.82	50.30	8,001.18
SPECIAL PROJECTS					
10-5-0030-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL HUMAN RESOURCES	134,627.00	6,413.44	52,991.44	39.36	81,635.56

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
ECONOMIC DEVELOPMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0035-0400 SALARIES & WAGES	0.00	859.38	10,039.08	0.00	(10,039.08)
10-5-0035-0401 SOCIAL SECURITY TAXES	0.00	107.53	622.42	0.00	(622.42)
10-5-0035-0402 STATE UNEMPLOYMENT TAXES	0.00	0.00	0.00	0.00	0.00
10-5-0035-0403 MEDICARE TAXES	0.00	25.15	268.33	0.00	(268.33)
10-5-0035-0404 RETIREMENT (TMRS)	0.00	0.00	860.34	0.00	(860.34)
10-5-0035-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0035-0406 WORKERS COMPENSATION	0.00	0.00	0.00	0.00	0.00
10-5-0035-0410 HEALTH INSURANCE	0.00	0.00	0.00	0.00	0.00
10-5-0035-0412 HRA	0.00	0.00	0.00	0.00	0.00
TOTAL PERSONNEL	0.00	992.06	11,790.17	0.00	(11,790.17)
TRAVEL & TRAINING					
10-5-0035-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0035-0416 EMPLOYEE TRAINING	0.00	0.00	0.00	0.00	0.00
10-5-0035-0418 DUES & MEMBERSHIPS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	0.00	0.00	0.00	0.00	0.00
SUPPLIES					
10-5-0035-0421 OFFICE SUPPLIES	0.00	0.00	0.00	0.00	0.00
10-5-0035-0423 POSTAGE	0.00	0.00	0.00	0.00	0.00
10-5-0035-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0035-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
10-5-0035-0429 DEPARTMENT SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES	0.00	0.00	0.00	0.00	0.00
UTILITIES					
10-5-0035-0430 CELL PHONES & MIFI	0.00	0.00	0.00	0.00	0.00
10-5-0035-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	0.00	0.00	0.00	0.00	0.00
SMALL EQUIPMENT					
10-5-0035-0433 SMALL EQUIPMENT (<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10-5-0035-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
10- 035-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
10- 035-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOT AINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
ECONOMIC DEVELOPMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0035-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10-5-0035-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0035-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
10-5-0035-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
10-5-0035-0495 SPECIAL PROJECTS	0.00	162.32	162.32	0.00	(162.32)
TOTAL SPECIAL PROJECTS	0.00	162.32	162.32	0.00	(162.32)
TOTAL ECONOMIC DEVELOPMENT	0.00	1,154.38	11,952.49	0.00	(11,952.49)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PERMITS & INSPECTIONS

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0045-0400 SALARIES & WAGES	80,546.00	3,189.03	31,200.47	38.74	49,345.53
10-5-0045-0401 SOCIAL SECURITY TAXES	4,994.00	372.54	1,728.36	34.61	3,265.64
10-5-0045-0402 STATE UNEMPLOYMENT TAXES	252.00	0.00	0.00	0.00	252.00
10-5-0045-0403 MEDICARE TAXES	1,168.00	87.13	404.26	34.61	763.74
10-5-0045-0404 RETIREMENT (TMRS)	8,596.00	346.54	3,359.35	39.08	5,236.65
10-5-0045-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0045-0406 WORKERS COMPENSATION	180.00	0.00	0.00	0.00	180.00
10-5-0045-0410 HEALTH INSURANCE	19,889.00	1,650.82	8,254.10	41.50	11,634.90
10-5-0045-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	116,125.00	5,646.06	44,946.54	38.71	71,178.46
TRAVEL & TRAINING					
10-5-0045-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0045-0416 EMPLOYEE TRAINING	6,000.00	299.00	299.00	4.98	5,701.00
10-5-0045-0418 DUES & MEMBERSHIPS	750.00	0.00	0.00	0.00	750.00
TOTAL TRAVEL & TRAINING	6,750.00	299.00	299.00	4.43	6,451.00
SUPPLIES					
10-5-0045-0421 OFFICE SUPPLIES	1,000.00	0.00	304.66	30.47	695.34
10-5-0045-0423 POSTAGE	1,250.00	0.00	8.00	0.64	1,242.00
10-5-0045-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0045-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
10-5-0045-0429 DEPARTMENT SUPPLIES	500.00	0.00	0.00	0.00	500.00
TOTAL SUPPLIES	2,750.00	0.00	312.66	11.37	2,437.34
UTILITIES					
10-5-0045-0430 CELL PHONES & MIFI	720.00	0.00	0.00	0.00	720.00
10-5-0045-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	720.00	0.00	0.00	0.00	720.00
SMALL EQUIPMENT					
10-5-0045-0433 SMALL EQUIPMENT (<$5,000	1,770.00	0.00	0.00	0.00	1,770.00
TOTAL SMALL EQUIPMENT	1,770.00	0.00	0.00	0.00	1,770.00
MAINTENANCE & REPAIRS					
10-5-0045-0442 BUILDING R&M	0.00	0.00	21.67	0.00	(21.67)
10- 45-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
10- 45-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOT AINTENANCE & REPAIRS	0.00	0.00	21.67	0.00	(21.67)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PERMITS & INSPECTIONS

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0045-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10-5-0045-0462 LEGAL SERVICES	6,000.00	0.00	0.00	0.00	6,000.00
10-5-0045-0464 ENGINEERING SERVICES	25,000.00	0.00	0.00	0.00	25,000.00
10-5-0045-0468 INFORMATION TECHNOLOGY	1,400.00	0.00	0.00	0.00	1,400.00
10-5-0045-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	32,400.00	0.00	0.00	0.00	32,400.00
DEPARTMENTAL					
10-5-0045-0491 LEGAL NOTICES	6,000.00	0.00	122.50	2.04	5,877.50
10-5-0045-0492 RECORDING/FILING FEES	0.00	263.72	328.65	0.00	(328.65)
TOTAL DEPARTMENTAL	6,000.00	263.72	451.15	7.52	5,548.85
SPECIAL PROJECTS					
10-5-0045-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL PERMITS & INSPECTIONS	166,515.00	6,208.78	46,031.02	27.64	120,483.98

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
POLICE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0050-0400 SALARIES & WAGES	1,209,666.00	46,008.97	414,013.37	34.23	795,652.63
10-5-0050-0401 SOCIAL SECURITY TAXES	76,064.00	5,828.39	25,290.27	33.25	50,773.73
10-5-0050-0402 STATE UNEMPLOYMENT TAXES	4,536.00	0.00	7.97	0.18	4,528.03
10-5-0050-0403 MEDICARE TAXES	17,789.00	1,363.09	5,914.54	33.25	11,874.46
10-5-0050-0404 RETIREMENT (TMRS)	130,934.00	5,172.48	44,759.36	34.18	86,174.64
10-5-0050-0405 OVERTIME	24,408.00	133.33	4,054.14	16.61	20,353.86
10-5-0050-0406 WORKERS COMPENSATION	23,118.00	0.00	13,232.50	57.24	9,885.50
10-5-0050-0410 HEALTH INSURANCE	213,849.00	16,686.93	76,141.33	35.61	137,707.67
10-5-0050-0412 HRA	9,000.00	0.00	0.00	0.00	9,000.00
TOTAL PERSONNEL	1,709,364.00	75,193.19	583,413.48	34.13	1,125,950.52
TRAVEL & TRAINING					
10-5-0050-0414 TRAVEL REIMBURSEMENT	0.00	0.00	64.50	0.00	(64.50)
10-5-0050-0415 POLICE TRAINING	8,500.00	355.44	3,726.45	43.84	4,773.55
10-5-0050-0416 POLICE LEOSE TRAINING	1,300.00	0.00	0.00	0.00	1,300.00
10-5-0050-0418 DUES & MEMBERSHIPS	775.00	0.00	567.00	73.16	208.00
TOTAL TRAVEL & TRAINING	10,575.00	355.44	4,357.95	41.21	6,217.05
SUPPLIES					
10-5-0050-0420 UNIFORMS	19,500.00	1,089.37	14,261.63	73.14	5,238.37
10-5-0050-0421 OFFICE SUPPLIES	3,700.00	370.32	1,722.83	46.56	1,977.17
10-5-0050-0423 POSTAGE	300.00	0.00	0.00	0.00	300.00
10-5-0050-0425 COPIERS	1,600.00	99.00	462.08	28.88	1,137.92
10-5-0050-0426 GAS & OIL	44,000.00	(34.75)	12,865.89	29.24	31,134.11
10-5-0050-0429 DEPARTMENT SUPPLIES	33,300.00	1,766.76	15,252.87	45.80	18,047.13
TOTAL SUPPLIES	102,400.00	3,290.70	44,565.30	43.52	57,834.70
UTILITIES					
10-5-0050-0430 CELL PHONES/MIFI	10,000.00	0.00	2,587.05	25.87	7,412.95
10-5-0050-0431 TELEPHONES	1,100.00	89.02	420.37	38.22	679.63
10-5-0050-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	11,100.00	89.02	3,007.42	27.09	8,092.58
SMALL EQUIPMENT					
10-5-0050-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	354.00	0.00	(354.00)
TOTAL SMALL EQUIPMENT	0.00	0.00	354.00	0.00	(354.00)
MAINTENANCE & REPAIRS					
10-5-0050-0442 BUILDING R&M	1,500.00	0.00	316.98	21.13	1,183.02
10-5-0050-0445 VEHICLE R&M	15,000.00	(4,313.22)	(168.81)	1.13-	15,168.81
10-5-0050-0446 EQUIPMENT R&M	500.00	0.00	0.00	0.00	500.00
TOTAL MAINTENANCE & REPAIRS	17,000.00	(4,313.22)	148.17	0.87	16,851.83

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
POLICE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0050-0460 CONTRACTED SERVICES	21,000.00	10.21	13,196.70	62.84	7,803.30
10-5-0050-0465 DISPATCH SERVICES	93,358.00	0.00	93,358.37	100.00	(0.37)
10-5-0050-0468 INFORMATION TECHNOLOGY	30,643.00	13,533.00	13,533.00	44.16	17,110.00
10-5-0050-0469 LIABILITY & PROPERTY	13,441.00	0.00	8,994.49	66.92	4,446.51
TOTAL CONTRACTED SERVICES	158,442.00	13,543.21	129,082.56	81.47	29,359.44
DEPARTMENTAL					
10-5-0050-0472 POLICE EXPLORERS	0.00	0.00	0.00	0.00	0.00
10-5-0050-0475 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
10-5-0050-0486 POLICE MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00
10-5-0050-0489 POLICE DSF TRANSFER IN/O	0.00	0.00	0.00	0.00	0.00
10-5-0050-0490 POLICE JAIL FEES	0.00	0.00	0.00	0.00	0.00
10-5-0050-0491 TRANSFER IN/OUT	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
10-5-0050-0495 NATIONAL NIGHT OUT EVENT	0.00	0.00	0.00	0.00	0.00
10-5-0050-0499 POLICE GRANT EXPENDITURE	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
DEBT PAYMENTS					
10-5-0050-0505 CAPITAL LEASE-PRINCIPAL	0.00	0.00	0.00	0.00	0.00
10-5-0050-0506 CAPITAL LEASE-INTEREST	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT PAYMENTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
10-5-0050-0560 VEHICLE LEASE PAYMENTS	19,540.00	0.00	0.00	0.00	19,540.00
10-5-0050-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
10-5-0050-0562 VEHICLE MAINT PLAN	2,000.00	66.00	354.00	17.70	1,646.00
TOTAL VEHICLE LEASES	21,540.00	66.00	354.00	1.64	21,186.00
CAPITAL OUTLAY					
10-5-0050-0667 CAP OUT - POLICE VEHICLE	0.00	0.00	0.00	0.00	0.00
10-5-0050-0669 CAP OUT - IT SWITCHES	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
TOTAL POLICE DEPARTMENT	2,030,421.00	88,224.34	765,282.88	37.69	1,265,138.12

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CODE ENFORCE/ANIMAL CONTR

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0055-0400 SALARIES & WAGES	46,196.00	1,849.61	18,241.62	39.49	27,954.38
10-5-0055-0401 SOCIAL SECURITY TAXES	2,864.00	217.52	1,025.14	35.79	1,838.86
10-5-0055-0402 STATE UNEMPLOYMENT TAXES	252.00	0.00	0.00	0.00	252.00
10-5-0055-0403 MEDICARE TAXES	670.00	50.87	239.72	35.78	430.28
10-5-0055-0404 RETIREMENT (TMRS)	4,930.00	200.95	1,948.63	39.53	2,981.37
10-5-0055-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
10-5-0055-0406 WORKERS COMPENSATION	1,116.00	0.00	817.50	73.25	298.50
10-5-0055-0410 HEALTH INSURANCE	15,100.00	1,261.28	6,306.40	41.76	8,793.60
10-5-0055-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	71,628.00	3,580.23	28,579.01	39.90	43,048.99
TRAVEL & TRAINING					
10-5-0055-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0055-0416 EMPLOYEE TRAINING	500.00	150.00	225.00	45.00	275.00
10-5-0055-0418 DUES & MEMBERSHIPS	360.00	0.00	250.00	69.44	110.00
TOTAL TRAVEL & TRAINING	860.00	150.00	475.00	55.23	385.00
SUPPLIES					
10-5-0055-0420 UNIFORMS	400.00	140.19	186.37	46.59	213.63
10-5-0055-0421 OFFICE SUPPLIES	200.00	0.00	4.21	2.11	195.79
10-5-0055-0423 POSTAGE	1,000.00	0.00	365.12	36.51	634.88
10-5-0055-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0055-0426 GAS & OIL	1,000.00	0.00	615.71	61.57	384.29
10-5-0055-0429 DEPARTMENT SUPPLIES	650.00	43.58	43.58	6.70	606.42
TOTAL SUPPLIES	3,250.00	183.77	1,214.99	37.38	2,035.01
UTILITIES					
10-5-0055-0430 CELL PHONES & MIFI	1,020.00	0.00	199.26	19.54	820.74
TOTAL UTILITIES	1,020.00	0.00	199.26	19.54	820.74
SMALL EQUIPMENT					
10-5-0055-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
10-5-0055-0438 LEGAL NOTICES	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
10- 055-0445 VEHICLE R&M	2,040.00	0.00	280.42	13.75	1,759.58
10- 055-0446 EQUIPMENT R&M	500.00	0.00	0.00	0.00	500.00
TOT AINTENANCE & REPAIRS	2,540.00	0.00	280.42	11.04	2,259.58

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CODE ENFORCE/ANIMAL CONTR

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0055-0460 CONTRACTED SERVICES	4,000.00	0.00	1,260.00	31.50	2,740.00
10-5-0055-0468 INFORMATION TECHNOLOGY	3,600.00	35.13	35.13	0.98	3,564.87
10-5-0055-0469 LIABILITY & PROPERTY	300.00	0.00	234.50	78.17	65.50
TOTAL CONTRACTED SERVICES	7,900.00	35.13	1,529.63	19.36	6,370.37
DEPARTMENTAL					
10-5-0055-0491 LEGAL NOTICES	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL DEPARTMENTAL	1,000.00	0.00	0.00	0.00	1,000.00
SPECIAL PROJECTS					
10-5-0055-0495 SPECIAL PROJECTS	12,000.00	0.00	0.00	0.00	12,000.00
TOTAL SPECIAL PROJECTS	12,000.00	0.00	0.00	0.00	12,000.00
VEHICLE LEASES					
10-5-0055-0560 VEHICLE LEASE PAYMENTS	0.00	0.00	0.00	0.00	0.00
10-5-0055-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
10-5-0055-0562 VEHICLE MAINT PLAN	0.00	6.00	30.00	0.00	(30.00)
TOTAL VEHICLE LEASES	0.00	6.00	30.00	0.00	(30.00)
CAPITAL OUTLAY					
10-5-0055-0668 CAP OUT-ANIMAL CONTROL T	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
TOTAL CODE ENFORCE/ANIMAL CONTR	100,198.00	3,955.13	32,308.31	32.24	67,889.69

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
MUNICIPAL COURT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0060-0400 COURT SALARIES	50,272.00	1,728.34	22,040.21	43.84	28,231.79
10-5-0060-0401 COURT SOCIAL SECURITY	3,117.00	219.57	1,421.21	45.60	1,695.79
10-5-0060-0402 COURT UNEMPLOYMENT TAXES	252.00	0.00	2.21	0.88	249.79
10-5-0060-0403 COURT MEDICARE	729.00	51.36	332.39	45.60	396.61
10-5-0060-0404 COURT TMRS	5,365.00	194.44	2,444.22	45.56	2,920.78
10-5-0060-0405 COURT OVERTIME	0.00	61.62	780.10	0.00	(780.10)
10-5-0060-0406 COURT WORKERS COMPENSATI	112.00	0.00	117.50	104.91	(5.50)
10-5-0060-0410 COURT INSURANCE	10,278.00	836.18	2,558.38	24.89	7,719.62
10-5-0060-0412 COURT HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	70,625.00	3,091.51	29,696.22	42.05	40,928.78
TRAVEL & TRAINING					
10-5-0060-0413 COURT MEDICAL EXPENSE RE	0.00	0.00	0.00	0.00	0.00
10-5-0060-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0060-0416 COURT TRAINING	750.00	0.00	0.00	0.00	750.00
10-5-0060-0418 COURT DUES & MEMBERSHIPS	75.00	55.00	110.00	146.67	(35.00)
TOTAL TRAVEL & TRAINING	825.00	55.00	110.00	13.33	715.00
SUPPLIES					
10-5-0060-0421 COURT OFFICE SUPPLIES	500.00	38.29	50.47	10.09	449.53
10-5-0060-0423 COURT POSTAGE	1,000.00	0.00	11.96	1.20	988.04
TOTAL SUPPLIES	1,500.00	38.29	62.43	4.16	1,437.57
UTILITIES					
10-5-0060-0430 CELL PHONES & MIFI	0.00	0.00	125.00	0.00	(125.00)
TOTAL UTILITIES	0.00	0.00	125.00	0.00	(125.00)
SMALL EQUIPMENT					
10-5-0060-0433 SMALL EQUIPMENT<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
CONTRACTED SERVICES					
10-5-0060-0461 OTHER CONTRACTED SERVICE	13,800.00	1,600.00	3,200.00	23.19	10,600.00
10-5-0060-0468 INFORMATION TECHNOLOGY	10,642.00	0.00	4,503.64	42.32	6,138.36
TOTAL CONTRACTED SERVICES	24,442.00	1,600.00	7,703.64	31.52	16,738.36
DEPA NTAL					
10- 60-0480 COURT CASH RESERVE	0.00	0.00	0.00	0.00	0.00
10- 60-0481 COURT STATE FEES	0.00	0.00	0.00	0.00	0.00
10- 60-0486 COURT MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00
10- 60-0488 MERCHANT SERVICE FEES	0.00	0.00	577.35	0.00	(577.35)
TOT EPARTMENTAL	0.00	0.00	577.35	0.00	(577.35)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
MUNICIPAL COURT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SPECIAL PROJECTS					
10-5-0060-0499 COURT JURY DUTY	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
10-5-0060-0560 VEHICLE LEASES	0.00	0.00	0.00	0.00	0.00
TOTAL VEHICLE LEASES	0.00	0.00	0.00	0.00	0.00
TOTAL MUNICIPAL COURT	97,392.00	4,784.80	38,274.64	39.30	59,117.36

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
FIRE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0070-0400 SALARIES & WAGES	471,364.00	17,551.54	133,526.81	28.33	337,837.19
10-5-0070-0401 SOCIAL SECURITY TAXES	29,225.00	2,279.04	8,618.01	29.49	20,606.99
10-5-0070-0402 STATE UNEMPLOYMENT TAXES	1,764.00	0.00	42.49	2.41	1,721.51
10-5-0070-0403 MEDICARE TAXES	6,835.00	533.00	2,015.46	29.49	4,819.54
10-5-0070-0404 RETIREMENT (TMRS)	35,972.00	1,398.06	9,754.00	27.12	26,218.00
10-5-0070-0405 OVERTIME	0.00	815.19	5,586.80	0.00	(5,586.80)
10-5-0070-0406 WORKERS COMPENSATION	12,871.00	0.00	5,019.00	38.99	7,852.00
10-5-0070-0410 HEALTH INSURANCE	51,852.00	4,025.07	7,763.44	14.97	44,088.56
10-5-0070-0412 HRA	2,500.00	0.00	0.00	0.00	2,500.00
TOTAL PERSONNEL	612,383.00	26,601.90	172,326.01	28.14	440,056.99
TRAVEL & TRAINING					
10-5-0070-0414 TRAVEL REIMBURSEMENT	0.00	0.00	10.00	0.00	(10.00)
10-5-0070-0416 EMPLOYEE TRAINING	17,473.00	532.61	1,911.55	10.94	15,561.45
10-5-0070-0418 DUES & MEMBERSHIPS	4,525.00	697.17	871.51	19.26	3,653.49
TOTAL TRAVEL & TRAINING	21,998.00	1,229.78	2,793.06	12.70	19,204.94
SUPPLIES					
10-5-0070-0420 UNIFORMS	14,300.00	3,864.25	6,752.44	47.22	7,547.56
10-5-0070-0421 OFFICE SUPPLIES	1,000.00	0.00	163.22	16.32	836.78
10-5-0070-0423 POSTAGE	50.00	0.00	55.86	111.72	(5.86)
10-5-0070-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0070-0426 GAS & OIL	14,000.00	0.00	4,817.66	34.41	9,182.34
10-5-0070-0429 DEPARTMENT SUPPLIES	4,000.00	727.26	1,627.78	40.69	2,372.22
TOTAL SUPPLIES	33,350.00	4,591.51	13,416.96	40.23	19,933.04
UTILITIES					
10-5-0070-0430 CELL PHONES & MIFI	1,500.00	0.00	1,037.68	69.18	462.32
10-5-0070-0432 UTILITIES	5,200.00	230.17	1,236.17	23.77	3,963.83
TOTAL UTILITIES	6,700.00	230.17	2,273.85	33.94	4,426.15
SMALL EQUIPMENT					
10-5-0070-0433 SMALL EQUIPMENT<$5,000	6,000.00	2,968.72	4,763.12	79.39	1,236.88
TOTAL SMALL EQUIPMENT	6,000.00	2,968.72	4,763.12	79.39	1,236.88
MAINTENANCE & REPAIRS					
10- 070-0442 BUILDING MAINTENANCE	2,000.00	3,870.14	9,328.05	466.40	(7,328.05)
10- 070-0445 VEHICLE R&M	30,900.00	275.22	11,123.67	36.00	19,776.33
10- 070-0446 EQUIPMENT R&M	10,000.00	1,129.00	3,798.80	37.99	6,201.20
TOT AINTENANCE & REPAIRS	42,900.00	5,274.36	24,250.52	56.53	18,649.48

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
FIRE DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0070-0460 OTHER CONTRACTED SERVICE	4,144.00	0.00	2,903.60	70.07	1,240.40
10-5-0070-0468 INFORMATION TECHNOLOGY	3,050.00	127.17	654.59	21.46	2,395.41
10-5-0070-0469 LIABILITY & PROPERTY	10,000.00	0.00	3,780.00	37.80	6,220.00
TOTAL CONTRACTED SERVICES	17,194.00	127.17	7,338.19	42.68	9,855.81
DEPARTMENTAL					
10-5-0070-0475 COMMUNITY OUTREACH	2,500.00	0.00	389.91	15.60	2,110.09
10-5-0070-0478 FIRE MARSHALL	8,800.00	16.99	2,011.68	22.86	6,788.32
10-5-0070-0486 MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	11,300.00	16.99	2,401.59	21.25	8,898.41
SPECIAL PROJECTS					
10-5-0070-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
DEBT PAYMENTS					
10-5-0070-0505 LEASE PAYMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT PAYMENTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
10-5-0070-0560 VEHICLE LEASE PAYMENTS	39,503.00	975.73	4,878.65	12.35	34,624.35
10-5-0070-0561 VEHICLE MAKE READY	48,000.00	0.00	0.00	0.00	48,000.00
10-5-0070-0562 VEHICLE MAINT PLAN	1,165.00	49.77	248.85	21.36	916.15
TOTAL VEHICLE LEASES	88,668.00	1,025.50	5,127.50	5.78	83,540.50
CAPITAL OUTLAY					
10-5-0070-0660 SCBA PACKS	0.00	0.00	0.00	0.00	0.00
10-5-0070-0661 LIFEPAK DEFIB/MONITOR	0.00	0.00	0.00	0.00	0.00
10-5-0070-0665 EXTRACTOR WASHER & DRYER	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
TOTAL FIRE DEPARTMENT	840,493.00	42,066.10	234,690.80	27.92	605,802.20

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
STREETS

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0080-0400 SALARIES & WAGES	122,410.00	3,206.40	25,343.37	20.70	97,066.63
10-5-0080-0401 SOCIAL SECURITY	7,841.00	549.09	1,808.79	23.07	6,032.21
10-5-0080-0402 STATE UNEMPLOYMENT TAX	630.00	0.00	0.00	0.00	630.00
10-5-0080-0403 MEDICARE TAXES	1,834.00	128.41	423.03	23.07	1,410.97
10-5-0080-0404 RETIREMENT (TMRS)	13,497.00	493.58	3,147.51	23.32	10,349.49
10-5-0080-0405 OVERTIME	4,057.00	1,353.02	3,896.83	96.05	160.17
10-5-0080-0406 WORKERS COMPENSATION	3,096.00	0.00	2,571.50	83.06	524.50
10-5-0080-0410 HEALTH INSURANCE	30,497.00	831.16	4,787.89	15.70	25,709.11
10-5-0080-0412 HRA	1,250.00	0.00	0.00	0.00	1,250.00
TOTAL PERSONNEL	185,112.00	6,561.66	41,978.92	22.68	143,133.08
TRAVEL & TRAINING					
10-5-0080-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0080-0416 TRAINING	2,500.00	0.00	0.00	0.00	2,500.00
10-5-0080-0418 DUES & MEMBERSHIPS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	2,500.00	0.00	0.00	0.00	2,500.00
SUPPLIES					
10-5-0080-0420 UNIFORMS	2,000.00	397.71	958.01	47.90	1,041.99
10-5-0080-0421 OFFICE SUPPLIES	200.00	131.86	210.23	105.12	(10.23)
10-5-0080-0426 GAS & OIL	6,500.00	0.00	3,863.16	59.43	2,636.84
10-5-0080-0429 DEPARTMENT SUPPLIES	3,000.00	101.78	4,077.32	135.91	(1,077.32)
TOTAL SUPPLIES	11,700.00	631.35	9,108.72	77.85	2,591.28
UTILITIES					
10-5-0080-0430 CELL PHONES & MIFI	1,400.00	0.00	535.29	38.24	864.71
10-5-0080-0431 TELEPHONE SYSTEM	0.00	0.00	0.00	0.00	0.00
10-5-0080-0432 UTILITIES	45,000.00	3,330.54	16,272.52	36.16	28,727.48
TOTAL UTILITIES	46,400.00	3,330.54	16,807.81	36.22	29,592.19
SMALL EQUIPMENT					
10-5-0080-0433 SMALL EQUIPMENT<$5,000	5,000.00	0.00	191.91	3.84	4,808.09
10-5-0080-0434 RENTAL EQUIPMENT	2,000.00	0.00	0.00	0.00	2,000.00
TOTAL SMALL EQUIPMENT	7,000.00	0.00	191.91	2.74	6,808.09
MAINTENANCE & REPAIRS					
10- 80-0442 BUILDING R&M	1,000.00	0.00	84.17	8.42	915.83
10- 80-0445 VEHICLE R&M	5,000.00	296.13	4,115.31	82.31	884.69
10- 80-0446 EQUIPMENT R&M	7,500.00	36.27	353.50	4.71	7,146.50
10- 80-0447 STREET REPAIRS	0.00	0.00	0.00	0.00	0.00
10- 80-0449 P.W. DRAINAGE	0.00	0.00	0.00	0.00	0.00
TOT AINTENANCE & REPAIRS	13,500.00	332.40	4,552.98	33.73	8,947.02

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
STREETS

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0080-0460 OTHER CONTRACTED SERVICE	10,000.00	0.00	0.00	0.00	10,000.00
10-5-0080-0464 ENGINEERING	0.00	0.00	0.00	0.00	0.00
10-5-0080-0466 RENTAL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
10-5-0080-0469 LIABILITY & PROPERTY INS	1,469.00	0.00	628.37	42.78	840.63
TOTAL CONTRACTED SERVICES	11,469.00	0.00	628.37	5.48	10,840.63
DEPARTMENTAL					
10-5-0080-0470 STREET SIGNS	10,000.00	0.00	2.54	0.03	9,997.46
10-5-0080-0472 DRAINAGE MATERIAL	10,000.00	0.00	0.00	0.00	10,000.00
10-5-0080-0475 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
10-5-0080-0480 P.W. CASH RESERVES	0.00	0.00	0.00	0.00	0.00
10-5-0080-0486 MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00
10-5-0080-0488 P.W. ANIMAL IMPOUND	0.00	0.00	0.00	0.00	0.00
10-5-0080-0489 PRISON WORKER MEALS	250.00	0.00	0.00	0.00	250.00
10-5-0080-0490 P.W. DSF TRANSFER IN/OUT	0.00	0.00	0.00	0.00	0.00
10-5-0080-0491 LEGAL SERVICES	0.00	0.00	169.00	0.00	(169.00)
TOTAL DEPARTMENTAL	20,250.00	0.00	171.54	0.85	20,078.46
SPECIAL PROJECTS					
10-5-0080-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
10-5-0080-0497 P.W. PARK GRANT EXPENDIT	0.00	0.00	0.00	0.00	0.00
10-5-0080-0498 P.W. W&S TRANSFER OUT	0.00	0.00	0.00	0.00	0.00
10-5-0080-0499 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
10-5-0080-0560 VEHICLE LEASE PAYMENTS	0.00	733.35	1,546.87	0.00	(1,546.87)
10-5-0080-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
10-5-0080-0562 VEHICLE MAINT PLAN	0.00	43.53	104.06	0.00	(104.06)
TOTAL VEHICLE LEASES	0.00	776.88	1,650.93	0.00	(1,650.93)
CAPITAL OUTLAY					
10-5-0080-0660 CAP IMPR PLAN- STREETS	0.00	0.00	0.00	0.00	0.00
10-5-0080-0661 CAP IMPR PLAN - DRAINAGE	0.00	0.00	0.00	0.00	0.00
10-5-0080-0667 COMMERCIAL MOWER	0.00	0.00	0.00	0.00	0.00
10-5-0080-0668 CAP OUT-LANDSCAPE TRAILE	0.00	0.00	0.00	0.00	0.00
10-5-0080-0669 CAP OUT-PATCH TRUCK	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
TOTAL STREETS	297,931.00	11,632.83	75,091.18	25.20	222,839.82

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PARKS & RECREATION

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0090-0400 SALARIES & WAGES	161,255.00	4,654.20	40,806.36	25.31	120,448.64
10-5-0090-0401 SOCIAL SECURITY TAXES	10,353.00	581.61	2,550.60	24.64	7,802.40
10-5-0090-0402 STATE UNEMPLOYMENT TAXES	882.00	0.00	0.00	0.00	882.00
10-5-0090-0403 MEDICARE TAXES	2,421.00	136.03	596.52	24.64	1,824.48
10-5-0090-0404 RETIREMENT (TMRS)	17,821.00	505.78	4,377.42	24.56	13,443.58
10-5-0090-0405 OVERTIME	5,721.00	0.00	328.69	5.75	5,392.31
10-5-0090-0406 WORKERS COMPENSATION	4,088.00	0.00	1,349.50	33.01	2,738.50
10-5-0090-0410 HEALTH INSURANCE	39,315.00	2,562.03	10,034.26	25.52	29,280.74
10-5-0090-0412 HRA	1,791.00	0.00	0.00	0.00	1,791.00
TOTAL PERSONNEL	243,647.00	8,439.65	60,043.35	24.64	183,603.65
TRAVEL & TRAINING					
10-5-0090-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0090-0416 EMPLOYEE TRAINING	850.00	0.00	0.00	0.00	850.00
10-5-0090-0418 DUES & MEMBERSHIPS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	850.00	0.00	0.00	0.00	850.00
SUPPLIES					
10-5-0090-0420 UNIFORMS	1,500.00	183.50	1,164.60	77.64	335.40
10-5-0090-0421 OFFICE SUPPLIES	0.00	0.00	85.49	0.00	(85.49)
10-5-0090-0423 POSTAGE	0.00	0.00	0.00	0.00	0.00
10-5-0090-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
10-5-0090-0426 GAS & OIL	5,500.00	0.00	1,566.10	28.47	3,933.90
10-5-0090-0429 DEPARTMENT SUPPLIES	2,500.00	241.95	1,867.98	74.72	632.02
TOTAL SUPPLIES	9,500.00	425.45	4,684.17	49.31	4,815.83
UTILITIES					
10-5-0090-0430 CELL PHONES & MIFI	1,400.00	0.00	497.81	35.56	902.19
10-5-0090-0432 UTILITIES	20,000.00	629.94	3,271.21	16.36	16,728.79
TOTAL UTILITIES	21,400.00	629.94	3,769.02	17.61	17,630.98
SMALL EQUIPMENT					
10-5-0090-0433 SMALL EQUIPMENT<$5,000	5,000.00	288.15	480.06	9.60	4,519.94
TOTAL SMALL EQUIPMENT	5,000.00	288.15	480.06	9.60	4,519.94
MAINTENANCE & REPAIRS					
10- 90-0442 BUILDING R&M	2,500.00	0.00	62.50	2.50	2,437.50
10- 90-0445 VEHICLE R&M	5,000.00	1,632.12	1,907.00	38.14	3,093.00
10- 90-0446 EQUIPMENT R&M	2,500.00	0.00	1,256.45	50.26	1,243.55
10- 90-0448 PARK MAINTENANCE	15,000.00	256.88	4,868.22	32.45	10,131.78
TOT AINTENANCE & REPAIRS	25,000.00	1,889.00	8,094.17	32.38	16,905.83

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
PARKS & RECREATION

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0090-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
10-5-0090-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0090-0464 ENGINEERING SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0090-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
10-5-0090-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	1,799.10	0.00	(1,799.10)
TOTAL CONTRACTED SERVICES	0.00	0.00	1,799.10	0.00	(1,799.10)
DEPARTMENTAL					
10-5-0090-0488 MERCHANT SERVICE FEES	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
10-5-0090-0495 SPECIAL PROJECTS	25,000.00	113.02	113.02	0.45	24,886.98
TOTAL SPECIAL PROJECTS	25,000.00	113.02	113.02	0.45	24,886.98
VEHICLE LEASES					
10-5-0090-0560 VEHICLE LEASE PAYMENTS	0.00	733.34	1,546.86	0.00	(1,546.86)
10-5-0090-0561 VEHICLE VEHICLE MAKE REA	0.00	0.00	0.00	0.00	0.00
10-5-0090-0562 VEHICLE MAINT PLAN	0.00	43.53	104.06	0.00	(104.06)
TOTAL VEHICLE LEASES	0.00	776.87	1,650.92	0.00	(1,650.92)
TOTAL PARKS & RECREATION	330,397.00	12,562.08	80,633.81	24.41	249,763.19

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY-WIDE (NONDEPARTMENTA

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
10-5-0095-0400 SALARIES & WAGES	33,788.00	1,260.00	11,069.33	32.76	22,718.67
10-5-0095-0401 SOCIAL SECURITY	2,095.00	156.74	688.95	32.89	1,406.05
10-5-0095-0402 STATE UNEMPLOYMENT TAX	252.00	0.00	1.84	0.73	250.16
10-5-0095-0403 MEDICARE TAXES	490.00	36.66	161.13	32.88	328.87
10-5-0095-0404 RETIREMENT (TMRS)	3,606.00	136.94	1,186.69	32.91	2,419.31
10-5-0095-0405 OVERTIME	0.00	0.00	5.91	0.00	(5.91)
10-5-0095-0406 WORKERS COMPENSATION	75.00	0.00	0.00	0.00	75.00
10-5-0095-0410 HEALTH INSURANCE	10,175.00	792.25	3,383.67	33.25	6,791.33
10-5-0095-0412 HRA	500.00	0.00	0.00	0.00	500.00
TOTAL PERSONNEL	50,981.00	2,382.59	16,497.52	32.36	34,483.48
TRAVEL & TRAINING					
10-5-0095-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
10-5-0095-0416 EMPLOYEE TRAINING	0.00	0.00	0.00	0.00	0.00
10-5-0095-0418 DUES & MEMBERSHIPS	2,760.00	0.00	775.80	28.11	1,984.20
TOTAL TRAVEL & TRAINING	2,760.00	0.00	775.80	28.11	1,984.20
SUPPLIES					
10-5-0095-0420 UNIFORMS	850.00	0.00	404.30	47.56	445.70
10-5-0095-0421 OFFICE SUPPLIES	5,500.00	27.98	1,473.12	26.78	4,026.88
10-5-0095-0423 POSTAGE	2,000.00	0.00	563.69	28.18	1,436.31
10-5-0095-0425 COPIERS	4,144.00	129.00	1,077.73	26.01	3,066.27
10-5-0095-0426 GAS & OIL	0.00	0.00	562.93	0.00	(562.93)
10-5-0095-0429 DEPARTMENT SUPPLIES	8,400.00	752.11	3,020.84	35.96	5,379.16
TOTAL SUPPLIES	20,894.00	909.09	7,102.61	33.99	13,791.39
UTILITIES					
10-5-0095-0430 CELL PHONES & MIFI	936.00	0.00	250.00	26.71	686.00
10-5-0095-0431 TELEPHONE SYSTEM	10,812.00	864.55	3,345.35	30.94	7,466.65
10-5-0095-0432 UTILITIES	12,396.00	1,437.53	7,357.14	59.35	5,038.86
TOTAL UTILITIES	24,144.00	2,302.08	10,952.49	45.36	13,191.51
SMALL EQUIPMENT					
10-5-0095-0433 SMALL EQUIPMENT<$5,000	5,000.00	0.00	0.00	0.00	5,000.00
10-5-0095-0434 RENTAL EQUIPMENT	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL SMALL EQUIPMENT	6,000.00	0.00	0.00	0.00	6,000.00
MAINTENANCE & REPAIRS					
10-5-0095-0442 BUILDING R&M	41,500.00	66.22	2,521.22	6.08	38,978.78
10-5-0095-0445 VEHICLE R&M	0.00	78.00	98.50	0.00	(98.50)
10-5-0095-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	41,500.00	144.22	2,619.72	6.31	38,880.28

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

10 -GENERAL FUND
CITY-WIDE (NONDEPARTMENTA

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
10-5-0095-0460 OTHER CONTRACTED SERVICE	0.00	0.00	103.55	0.00	(103.55)
10-5-0095-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
10-5-0095-0468 INFORMATION TECHNOLOGY	65,868.00	1,155.53	41,142.40	62.46	24,725.60
10-5-0095-0469 GEN LIAB & PROPERTY INSU	6,673.00	0.00	7,003.12	104.95	(330.12)
TOTAL CONTRACTED SERVICES	72,541.00	1,155.53	48,249.07	66.51	24,291.93
DEPARTMENTAL					
10-5-0095-0488 MERCHANT SERVICE FEES	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
10-5-0095-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL CITY-WIDE (NONDEPARTMENTA	218,820.00	6,893.51	86,197.21	39.39	132,622.79
TOTAL EXPENDITURES	5,154,389.00	215,324.54	1,688,730.79	32.76	3,465,658.21
REVENUES OVER/(UNDER) EXPENDITURES	(207,715.00)	352,570.25	1,434,561.29		(1,642,276.29)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

20 -DEBT SERVICE FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
TAX	0.00	113,812.10	732,758.15	0.00	(732,758.15)
INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.	0.00	0.00	0.00	0.00	0.00
TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	113,812.10	732,758.15	0.00	(732,758.15)
EXPENDITURE SUMMARY					
DEBT SERVICE	818,510.00	0.00	281,190.00	34.35	537,320.00
TOTAL EXPENDITURES	818,510.00	0.00	281,190.00	34.35	537,320.00
REVENUES OVER/(UNDER) EXPENDITURES	(818,510.00)	113,812.10	451,568.15		(1,270,078.15)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

20 -DEBT SERVICE FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
TAX					
20-4-0000-0342 PENALTIES & INTEREST	0.00	374.57	813.08	0.00	(813.08)
20-4-0000-0343 DELINQUENT I&S TAXES	0.00	173.93	2,219.38	0.00	(2,219.38)
20-4-0000-0344 CURRENT PROPERTY TAXES	0.00	113,263.60	729,725.69	0.00	(729,725.69)
TOTAL TAX	0.00	113,812.10	732,758.15	0.00	(732,758.15)
INTEREST					
20-4-0000-0360 INTEREST	0.00	0.00	0.00	0.00	0.00
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.					
20-4-0000-0370 INTERGOVERNMENTAL REVENU	0.00	0.00	0.00	0.00	0.00
20-4-0000-0378 AUDIT ADJUSTMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL MISC. REV.	0.00	0.00	0.00	0.00	0.00
TRANSFERS					
20-4-0000-0430 TRANSFER IN - VCDC	0.00	0.00	0.00	0.00	0.00
20-4-0000-0460 TRANSFER IN - W&S FUND	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	113,812.10	732,758.15	0.00	(732,758.15)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

20 -DEBT SERVICE FUND
DEBT SERVICE

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
MAINTENANCE & REPAIRS					
20-5-0000-0456 VCSDC BOND INTEREST	0.00	0.00	0.00	0.00	0.00
20-5-0000-0458 VCSDC BOND PRINCIPAL	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00
CONTRACTED SERVICES					
20-5-0000-0460 ADMIN LEASE INTEREST	0.00	0.00	0.00	0.00	0.00
20-5-0000-0462 ADMIN LEASE PRINCIPAL	0.00	0.00	0.00	0.00	0.00
20-5-0000-0464 POLICE CAPITOL LEASE PRI	0.00	0.00	0.00	0.00	0.00
20-5-0000-0466 OTHER CONTRACT SERVICES	550.00	0.00	0.00	0.00	550.00
TOTAL CONTRACTED SERVICES	550.00	0.00	0.00	0.00	550.00
DEPARTMENTAL					
20-5-0000-0476 ADMIN INCODE PRINCIPAL P	0.00	0.00	0.00	0.00	0.00
20-5-0000-0478 ADMIN INCODE INTEREST PA	0.00	0.00	0.00	0.00	0.00
20-5-0000-0480 PUBLIC WORKS PRINCIPAL	0.00	0.00	0.00	0.00	0.00
20-5-0000-0482 PUBLIC WORKS INTEREST	0.00	0.00	0.00	0.00	0.00
20-5-0000-0486 DEBT SERVICE FUND MISCEL	0.00	0.00	0.00	0.00	0.00
20-5-0000-0487 BUILDING PRINCIPAL	0.00	0.00	0.00	0.00	0.00
20-5-0000-0488 BUILDING INTEREST	0.00	0.00	0.00	0.00	0.00
20-5-0000-0490 DSF TRANSFERS IN	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
DEBT PAYMENTS					
20-5-0000-0503 BOND PRINCIPAL	430,000.00	0.00	198,000.00	46.05	232,000.00
20-5-0000-0504 BOND INTEREST	387,960.00	0.00	83,190.00	21.44	304,770.00
TOTAL DEBT PAYMENTS	817,960.00	0.00	281,190.00	34.38	536,770.00
TRANSFERS					
20-5-0000-0760 TRANSFER OUT - W/S FUND	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT SERVICE	818,510.00	0.00	281,190.00	34.35	537,320.00
TOTAL EXPENDITURES	818,510.00	0.00	281,190.00	34.35	537,320.00
REVE[illegible] OVER/(UNDER) EXPENDITURES	(818,510.00)	113,812.10	451,568.15		(1,270,078.15)

*** OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

35 -SPECIAL EVENTS
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
OTHER	0.00	0.00	467.48	0.00	(467.48)
TOTAL REVENUES	0.00	0.00	467.48	0.00	(467.48)
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	(2,065.00)	20,959.29	0.00	(20,959.29)
TOTAL EXPENDITURES	0.00	(2,065.00)	20,959.29	0.00	(20,959.29)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	2,065.00	(20,491.81)		20,491.81

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

35 -SPECIAL EVENTS

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
OTHER					
35-4-0000-0376 VCSDC CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
35-4-0000-0377 DONATIONS	0.00	0.00	97.48	0.00	(97.48)
35-4-0000-0378 VENDOR BOOTHS	0.00	0.00	370.00	0.00	(370.00)
35-4-0000-0379 CONCESSION SALES	0.00	0.00	0.00	0.00	0.00
TOTAL OTHER	0.00	0.00	467.48	0.00	(467.48)
TOTAL REVENUES	0.00	0.00	467.48	0.00	(467.48)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

35 -SPECIAL EVENTS
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
35-5-0000-0400 SALARIES & WAGES	0.00	0.00	0.00	0.00	0.00
35-5-0000-0401 SOCIAL SECURITY TAXES	0.00	0.00	317.24	0.00	(317.24)
35-5-0000-0403 MEDICARE TAXES	0.00	0.00	74.22	0.00	(74.22)
35-5-0000-0404 RETIREMENT (TMRS)	0.00	0.00	560.23	0.00	(560.23)
35-5-0000-0405 OVERTIME	0.00	0.00	586.01	0.00	(586.01)
35-5-0000-0410 HEALTH INSURANCE	0.00	0.00	0.00	0.00	0.00
TOTAL PERSONNEL	0.00	0.00	1,537.70	0.00	(1,537.70)
DEPARTMENTAL					
35-5-0000-0490 SPECIAL EVENTS	0.00	0.00	0.00	0.00	0.00
35-5-0000-0491 STREET DANCE	0.00	0.00	0.00	0.00	0.00
35-5-0000-0492 TRUNK & TREAT	0.00	0.00	2,934.23	0.00	(2,934.23)
35-5-0000-0493 TURKEY GIVEAWAY	0.00	0.00	477.99	0.00	(477.99)
35-5-0000-0494 CHRISTMAS ON THE SQUARE	0.00	(2,065.00)	16,009.37	0.00	(16,009.37)
35-5-0000-0495 SPECIAL EVENT	0.00	0.00	0.00	0.00	0.00
35-5-0000-0496 EASTER EVENT	0.00	0.00	0.00	0.00	0.00
35-5-0000-0497 NATIONAL NIGHT OUT	0.00	0.00	0.00	0.00	0.00
35-5-0000-0498 JULY 4TH EVENT	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	(2,065.00)	19,421.59	0.00	(19,421.59)
TRANSFERS					
35-5-0000-0741 TRANSFER TO (FROM) OTHER	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	0.00	(2,065.00)	20,959.29	0.00	(20,959.29)
TOTAL EXPENDITURES	0.00	(2,065.00)	20,959.29	0.00	(20,959.29)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	2,065.00	(20,491.81)		20,491.81

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

40 -ARPA GRANT FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
GRANT	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	0.00	399,289.80	0.00	(399,289.80)
TOTAL EXPENDITURES	0.00	0.00	399,289.80	0.00	(399,289.80)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(399,289.80)		399,289.80

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

40 -ARPA GRANT FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
GRANT					
40-4-0000-0360 GRANT FUNDS-ARPA	0.00	0.00	0.00	0.00	0.00
40-4-0000-0361 GRANTS FUNDS (WATER LOOP	0.00	0.00	0.00	0.00	0.00
TOTAL GRANT	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

40 -ARPA GRANT FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SUPPLIES					
40-5-0000-0429 DEPARTMENT SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
40-5-0000-0448 CONTRACTED SYSTEM R&M	0.00	0.00	0.00	0.00	0.00
40-5-0000-0449 SYSTEM PARTS & SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00
CONTRACTED SERVICES					
40-5-0000-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	0.00	0.00	0.00	0.00	0.00
DEPARTMENTAL					
40-5-0000-0486 GRANT MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00
40-5-0000-0491 TRNSFER IN/OUT	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
SPECIAL PROJECTS					
40-5-0000-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
40-5-0000-0496 WATER LOOPING EXPENDITUR	0.00	0.00	0.00	0.00	0.00
40-5-0000-0497 2012 BLOCK GRANT	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
40-5-0000-0620 MANHOLE REHAB PROJECT	0.00	0.00	0.00	0.00	0.00
40-5-0000-0621 STORM SEWER CAPACITY EVA	0.00	0.00	0.00	0.00	0.00
40-5-0000-0622 WATER LINE CONTROL VAULT	0.00	0.00	2,695.95	0.00	(2,695.95)
40-5-0000-0623 MAIN LIFT STATION ELECT	0.00	0.00	44,369.25	0.00	(44,369.25)
40-5-0000-0624 DRIVEWAY REHAB 209 VISTA	0.00	0.00	0.00	0.00	0.00
40-5-0000-0625 LONE STAR AVE REPAIR	0.00	0.00	0.00	0.00	0.00
40-5-0000-0626 VOTING MACHINES	0.00	0.00	0.00	0.00	0.00
40-5-0000-0627 MIDLOTHIAN TAKE POINT-DE	0.00	0.00	0.00	0.00	0.00
40-5-0000-0628 SCADA SYSTEM	0.00	0.00	2,497.50	0.00	(2,497.50)
40-5-0000-0629 BYPASS PUMPS (2) FOR LIF	0.00	0.00	0.00	0.00	0.00
40-5-0000-0630 DRONE	0.00	0.00	0.00	0.00	0.00
40-5-0000-0631 POLICE BODY CAMS	0.00	0.00	0.00	0.00	0.00
40-[illegible]00-0632 SEWER R&M UNDER 157 FIRE	0.00	0.00	349,727.10	0.00	(349,727.10)
40-[illegible]00-0633 PAVING AT FIELDER PARK	0.00	0.00	0.00	0.00	0.00
40-[illegible]00-0634 MIDLOTHIAN TAKE POINT	0.00	0.00	0.00	0.00	0.00
TOT[illegible]APITAL OUTLAY	0.00	0.00	399,289.80	0.00	(399,289.80)
TOT[illegible]ON-DEPARTMENTAL	0.00	0.00	399,289.80	0.00	(399,289.80)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

40 -ARPA GRANT FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
TOTAL EXPENDITURES	0.00	0.00	399,289.80	0.00	(399,289.80)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(399,289.80)		399,289.80

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

45 -COURT TECHNOLOGY FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
FINES & FEES	3,500.00	224.00	1,108.00	31.66	2,392.00
LICENSES & PERMITS	0.00	0.00	0.00	0.00	0.00
MISC. REV.	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	3,500.00	224.00	1,108.00	31.66	2,392.00
EXPENDITURE SUMMARY					
COURT	1,600.00	0.00	0.00	0.00	1,600.00
TOTAL EXPENDITURES	1,600.00	0.00	0.00	0.00	1,600.00
REVENUES OVER/(UNDER) EXPENDITURES	1,900.00	224.00	1,108.00		792.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

45 -COURT TECHNOLOGY FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
FINES & FEES					
45-4-0000-0332 COURT TECHNOLOGY FEES	3,500.00	224.00	1,108.00	31.66	2,392.00
TOTAL FINES & FEES	3,500.00	224.00	1,108.00	31.66	2,392.00
LICENSES & PERMITS					
45-4-0000-0360 INTEREST INCOME	0.00	0.00	0.00	0.00	0.00
TOTAL LICENSES & PERMITS	0.00	0.00	0.00	0.00	0.00
MISC. REV.					
45-4-0000-0370 INTERGOVENMENTAL REVENUE	0.00	0.00	0.00	0.00	0.00
TOTAL MISC. REV.	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	3,500.00	224.00	1,108.00	31.66	2,392.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

45 -COURT TECHNOLOGY FUND
COURT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTS					
45-5-0060-0468 INFORMATION TECHNOLOGY	1,600.00	0.00	0.00	0.00	1,600.00
TOTAL CONTRACTS	1,600.00	0.00	0.00	0.00	1,600.00
TOTAL COURT	1,600.00	0.00	0.00	0.00	1,600.00
TOTAL EXPENDITURES	1,600.00	0.00	0.00	0.00	1,600.00
REVENUES OVER/(UNDER) EXPENDITURES	1,900.00	224.00	1,108.00		792.00

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

46 -COURT SECURITY FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
FINES & FEES	4,000.00	268.70	1,335.40	33.39	2,664.60
LICENSES & PERMITS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	4,000.00	268.70	1,335.40	33.39	2,664.60
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL EXPENDITURES	1,000.00	0.00	0.00	0.00	1,000.00
REVENUES OVER/(UNDER) EXPENDITURES	3,000.00	268.70	1,335.40		1,664.60

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

46 -COURT SECURITY FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
FINES & FEES					
46-4-0000-0333 BUILDING SECURITY FEES	4,000.00	268.70	1,335.40	33.39	2,664.60
TOTAL FINES & FEES	4,000.00	268.70	1,335.40	33.39	2,664.60
LICENSES & PERMITS					
46-4-0000-0360 INTEREST INCOME	0.00	0.00	0.00	0.00	0.00
TOTAL LICENSES & PERMITS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	4,000.00	268.70	1,335.40	33.39	2,664.60

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

46 -COURT SECURITY FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
46-5-0000-0400 COURT BAILIFF	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL PERSONNEL	1,000.00	0.00	0.00	0.00	1,000.00
MISCELLAMEOUS EXPENSES					
46-5-0000-0486 COURT SECURITY EXPENDITU	0.00	0.00	0.00	0.00	0.00
TOTAL MISCELLAMEOUS EXPENSES	0.00	0.00	0.00	0.00	0.00
TRANSFERS					
46-5-0000-0770 TRANSFER TO CPF FUND 70	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL EXPENDITURES	1,000.00	0.00	0.00	0.00	1,000.00
REVENUES OVER/(UNDER) EXPENDITURES	3,000.00	268.70	1,335.40		1,664.60

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

47 -TRUANCY PREVENTION FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
FINES & FEES	0.00	265.00	1,329.10	0.00	(1,329.10)
TOTAL REVENUES	0.00	265.00	1,329.10	0.00	(1,329.10)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

47 -TRUANCY PREVENTION FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
FINES & FEES					
47-4-0000-0339 TRUANCY PREVENTION FEES	0.00	265.00	1,329.10	0.00	(1,329.10)
TOTAL FINES & FEES	0.00	265.00	1,329.10	0.00	(1,329.10)
TOTAL REVENUES	0.00	265.00	1,329.10	0.00	(1,329.10)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	265.00	1,329.10		(1,329.10)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

50 -STREET TAX MAINT FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
TAX	0.00	21,817.60	78,440.62	0.00	(78,440.62)
INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	21,817.60	78,440.62	0.00	(78,440.62)
EXPENDITURE SUMMARY					
PUBLIC WORKS	269,095.00	1,410.00	4,302.96	1.60	264,792.04
TOTAL EXPENDITURES	269,095.00	1,410.00	4,302.96	1.60	264,792.04
REVENUES OVER/(UNDER) EXPENDITURES	(269,095.00)	20,407.60	74,137.66		(343,232.66)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

50 -STREET TAX MAINT FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
TAX					
50-4-0000-0346 SALES TAX REVENUE	0.00	21,817.60	78,440.62	0.00	(78,440.62)
TOTAL TAX	0.00	21,817.60	78,440.62	0.00	(78,440.62)
INTEREST					
50-4-0000-0360 INTEREST INCOME	0.00	0.00	0.00	0.00	0.00
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.					
50-4-0000-0378 AUDIT ADJUSTMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL MISC. REV.	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	21,817.60	78,440.62	0.00	(78,440.62)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

50 -STREET TAX MAINT FUND
PUBLIC WORKS

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
MAINTENANCE					
50-5-0080-0447 STREET REPAIRS	180,000.00	0.00	1,097.50	0.61	178,902.50
50-5-0080-0448 STREET MATERIALS	22,500.00	1,410.00	3,205.46	14.25	19,294.54
TOTAL MAINTENANCE	202,500.00	1,410.00	4,302.96	2.12	198,197.04
MISCELLAMEOUS EXPENSES					
50-5-0080-0491 TRANSFERS IN OUT	0.00	0.00	0.00	0.00	0.00
TOTAL MISCELLAMEOUS EXPENSES	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
50-5-0080-0660 ROAD ASSESSMENT SOFTWARE	0.00	0.00	0.00	0.00	0.00
50-5-0080-0661 CRACK SEAL TRAILER	66,595.00	0.00	0.00	0.00	66,595.00
50-5-0080-0667 STREET PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	66,595.00	0.00	0.00	0.00	66,595.00
TRANSFERS					
50-5-0080-0710 TRANSFERS (IN) OUT	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL PUBLIC WORKS	269,095.00	1,410.00	4,302.96	1.60	264,792.04
TOTAL EXPENDITURES	269,095.00	1,410.00	4,302.96	1.60	264,792.04
REVENUES OVER/(UNDER) EXPENDITURES	(269,095.00)	20,407.60	74,137.66		(343,232.66)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

55 -BLUE STEM PID
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
PROPERTY TAXES	0.00	1,122.02	53,413.10	0.00	(53,413.10)
INTEREST	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	1,122.02	53,413.10	0.00	(53,413.10)
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES	0.00	0.00	0.00	0.00	0.00
REVENUES OVER/(UNDER) EXPENDITURES	0.00	1,122.02	53,413.10		(53,413.10)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

55 -BLUE STEM PID

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PROPERTY TAXES					
55-4-0000-0342 PENALTIES & INTEREST	0.00	0.00	296.76	0.00	(296.76)
55-4-0000-0345 CURRENT PID ASSESSMENTS	0.00	1,122.02	51,703.18	0.00	(51,703.18)
55-4-0000-0346 LATE PID ASSESSMENTS	0.00	0.00	1,413.16	0.00	(1,413.16)
TOTAL PROPERTY TAXES	0.00	1,122.02	53,413.10	0.00	(53,413.10)
INTEREST					
55-4-0000-0360 INTEREST INCOME	0.00	0.00	0.00	0.00	0.00
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	1,122.02	53,413.10	0.00	(53,413.10)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

55 -BLUE STEM PID
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SUPPLIES & REPAIRS					
55-5-0000-0421 OFFICE SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES & REPAIRS	0.00	0.00	0.00	0.00	0.00
CONTRACTS					
55-5-0000-0466 CONTRACTED SERVICES	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTS	0.00	0.00	0.00	0.00	0.00
MISCELLANEOUS EXPENSES					
55-5-0000-0492 FILING/RECORDING FEES	0.00	0.00	0.00	0.00	0.00
55-5-0000-0498 BANK FEES	0.00	0.00	0.00	0.00	0.00
TOTAL MISCELLANEOUS EXPENSES	0.00	0.00	0.00	0.00	0.00
DEBT PAYMENTS					
55-5-0000-0501 DEVELOEPR REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
55-5-0000-0511 DEBT INTEREST PAYMENT	0.00	0.00	0.00	0.00	0.00
55-5-0000-0550 DEVELOPER REIMBURSEMENTS	0.00	0.00	0.00	0.00	0.00
55-5-0000-0551 DEVELOPER INTEREST PAYME	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT PAYMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES	0.00	0.00	0.00	0.00	0.00
REVENUES OVER/(UNDER) EXPENDITURES	0.00	1,122.02	53,413.10		(53,413.10)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

56 -BRAHMAN RANCH I PID
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
CONTRIBUTIONS	0.00	0.00	50,874.44	0.00	(50,874.44)
GRANTS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	50,874.44	0.00	(50,874.44)
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	1,267.00	12,494.19	0.00	(12,494.19)
TOTAL EXPENDITURES	0.00	1,267.00	12,494.19	0.00	(12,494.19)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(1,267.00)	38,380.25		(38,380.25)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

56 -BRAHMAN RANCH I PID

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRIBUTIONS					
56-4-0000-0350 DEVELOPER CONTRIBUTIONS-	0.00	0.00	50,874.44	0.00	(50,874.44)
56-4-0000-0351 DEV CONTRIBUTIONS-WTPP	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRIBUTIONS	0.00	0.00	50,874.44	0.00	(50,874.44)
GRANTS					
56-4-0000-0378 AUDIT ADJUSTMENTS	0.00	0.00	0.00	0.00	0.00
TOTAL GRANTS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	50,874.44	0.00	(50,874.44)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

56 -BRAHMAN RANCH I PID
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SUPPLIES & REPAIRS					
56-5-0000-0438 LEGAL NOTICES	0.00	1,267.00	1,619.75	0.00	(1,619.75)
TOTAL SUPPLIES & REPAIRS	0.00	1,267.00	1,619.75	0.00	(1,619.75)
CONTRACTS					
56-5-0000-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
56-5-0000-0463 CONTRACT SERVICES	0.00	0.00	0.00	0.00	0.00
56-5-0000-0464 ENGINEERING	0.00	0.00	899.44	0.00	(899.44)
56-5-0000-0465 INSPECTIONS	0.00	0.00	9,975.00	0.00	(9,975.00)
56-5-0000-0466 WTPP RENT EXPENSE	0.00	0.00	0.00	0.00	0.00
56-5-0000-0467 ENGINEERING SERVICES	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTS	0.00	0.00	10,874.44	0.00	(10,874.44)
CAPITAL OUTLAY					
56-5-0000-0620 WTPP ROAD	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	0.00	1,267.00	12,494.19	0.00	(12,494.19)
TOTAL EXPENDITURES	0.00	1,267.00	12,494.19	0.00	(12,494.19)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(1,267.00)	38,380.25		(38,380.25)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
WATER	1,429,041.00	97,134.21	601,354.05	42.08	827,686.95
SEWER	10,000.00	180,012.77	958,665.81	9,586.66	(948,665.81)
SANITATION	731,434.00	49,828.48	230,464.37	31.51	500,969.63
ADMINISTRATIVE FEES	1,538,500.00	2,750.52	123,570.00	8.03	1,414,930.00
TOTAL REVENUES	3,708,975.00	329,725.98	1,914,054.23	51.61	1,794,920.77
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	413,104.00	0.00	613,419.44	148.49	(200,315.44)
ADMINISTRATION	510,746.00	16,166.44	177,038.55	34.66	333,707.45
WATER DEPARTMENT	1,187,572.00	9,299.90	354,845.73	29.88	832,726.27
SANITATION DEPARTMENT	676,252.00	0.00	185,977.99	27.50	490,274.01
SEWER DEPARTMENT	2,321,334.00	154,336.37	979,319.59	42.19	1,342,014.41
TOTAL EXPENDITURES	5,109,008.00	179,802.71	2,310,601.30	45.23	2,798,406.70
REVENUES OVER/(UNDER) EXPENDITURES	(1,400,033.00)	149,923.27	(396,547.07)		(1,003,485.93)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
WATER					
60-4-0000-0300 WATER SALES	1,423,141.00	97,134.21	599,854.05	42.15	823,286.95
60-4-0000-0302 WATER TAPS	4,000.00	0.00	1,000.00	25.00	3,000.00
60-4-0000-0303 WATER METERS	1,900.00	0.00	0.00	0.00	1,900.00
60-4-0000-0304 BULK WATER SALES	0.00	0.00	0.00	0.00	0.00
60-4-0000-0305 4' SEWER CONNECTION	0.00	0.00	500.00	0.00	(500.00)
60-4-0000-0306 GARBAGE	0.00	0.00	0.00	0.00	0.00
TOTAL WATER	1,429,041.00	97,134.21	601,354.05	42.08	827,686.95
SEWER					
60-4-0000-0310 SEWER SALES	0.00	180,012.77	958,665.81	0.00	(958,665.81)
60-4-0000-0312 SEWER TAPS	5,000.00	0.00	0.00	0.00	5,000.00
60-4-0000-0315 SEWER CONNECTIONS	5,000.00	0.00	0.00	0.00	5,000.00
TOTAL SEWER	10,000.00	180,012.77	958,665.81	9,586.66	(948,665.81)
SANITATION					
60-4-0000-0320 RECONNECT FEES	0.00	0.00	0.00	0.00	0.00
60-4-0000-0325 IRRIGATION BACKFLOW TEST	0.00	0.00	0.00	0.00	0.00
60-4-0000-0326 COMMERCIAL GARBAGE	381,826.00	49,812.13	230,418.43	60.35	151,407.57
60-4-0000-0328 RESIDENTIAL GARBAGE	349,608.00	0.00	0.00	0.00	349,608.00
60-4-0000-0329 GARBAGE MISCELLANEOUS	0.00	16.35	45.94	0.00	(45.94)
TOTAL SANITATION	731,434.00	49,828.48	230,464.37	31.51	500,969.63
ADMINISTRATIVE FEES					
60-4-0000-0330 LATE CHARGES	20,000.00	(4.88)	23,870.88	119.35	(3,870.88)
60-4-0000-0332 NSF CHARGES	0.00	50.00	125.00	0.00	(125.00)
60-4-0000-0335 RECONNECT FEES	10,000.00	0.00	10,795.00	107.95	(795.00)
60-4-0000-0349 CREDIT CARD FEES	0.00	0.00	0.00	0.00	0.00
60-4-0000-0360 INTEREST EARNINGS	5,000.00	0.00	8,076.43	161.53	(3,076.43)
60-4-0000-0361 GRANT FUND WATER LOOPING	0.00	0.00	0.00	0.00	0.00
60-4-0000-0362 MISCELLANEOUS	3,500.00	2,705.40	3,463.40	98.95	36.60
60-4-0000-0363 MOUNTAIN PEAK SUD CLEARI	0.00	0.00	0.00	0.00	0.00
60-4-0000-0364 W. & S. WATER DEPOSITS	0.00	0.00	0.00	0.00	0.00
60-4-0000-0365 W. & S. SEWER DEPOSITS	0.00	0.00	0.00	0.00	0.00
60-4-0000-0366 W. & S. SUBDIVISION FEES	0.00	0.00	0.00	0.00	0.00
60-4-0000-0367 INFRASTRUCTURE REHAB REI	0.00	0.00	0.00	0.00	0.00
60-4-0000-0368 CASH OVER (SHORT)	0.00	0.00	(1,565.47)	0.00	1,565.47
60-4-0000-0378 AUDIT ADJUSTMENTS	0.00	0.00	0.00	0.00	0.00
60-4-0000-0379 PROCEEDS FROM SALE OF AS	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0380 DEVELOPER CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0381 4% CIVIL INSPECTION FEES	1,500,000.00	0.00	78,804.76	5.25	1,421,195.24
60-[illegible]00-0387 W. & S. INTEREST/SINKING	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0388 W. & S. G/F TRANSFERS IN	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0390 W. & S. FUND BALANCE FOR	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0391 2018 CO PROCEEDS	0.00	0.00	0.00	0.00	0.00
TOT[illegible]DMINISTRATIVE FEES	1,538,500.00	2,750.52	123,570.00	8.03	1,414,930.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
TOTAL REVENUES	3,708,975.00	329,725.98	1,914,054.23	51.61	1,794,920.77

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
60-5-0000-0400 SALARIES & WAGES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0401 SOCIAL SECURITY TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0402 STATE UNEMPLOYMENT TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0403 MEDICARE TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0404 RETIREMENT (TMRS)	0.00	0.00	0.00	0.00	0.00
60-5-0000-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
60-5-0000-0406 WORKERS COMPENSATION	0.00	0.00	0.00	0.00	0.00
60-5-0000-0407 PENSION EXPENSE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0408 ACCRUED COMP EXPENSES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0409 RETIREMENT-CONTRIBUTIO	0.00	0.00	0.00	0.00	0.00
60-5-0000-0410 HEALTH INSURANCE	0.00	0.00	0.00	0.00	0.00
TOTAL PERSONNEL	0.00	0.00	0.00	0.00	0.00
TRAVEL & TRAINING					
60-5-0000-0413 HRA	0.00	0.00	0.00	0.00	0.00
60-5-0000-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
60-5-0000-0415 CONTRACT LABOR	0.00	0.00	0.00	0.00	0.00
60-5-0000-0416 TRAINING	0.00	0.00	0.00	0.00	0.00
60-5-0000-0418 DUES & SUBSCRIPTIONS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	0.00	0.00	0.00	0.00	0.00
SUPPLIES					
60-5-0000-0420 UNIFORMS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0421 OFFICE SUPPLIES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0422 CHEMICALS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0423 POSTAGE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0424 TCEQ PERMITS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
60-5-0000-0429 DEPARTMENT SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES	0.00	0.00	0.00	0.00	0.00
UTILITIES					
60-5-0000-0430 TELEPHONE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	0.00	0.00	0.00	0.00	0.00
SMALL EQUIPMENT					
60- 00-0433 SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
60- 00-0438 LEGAL NOTICES	0.00	0.00	0.00	0.00	0.00
60- 00-0439 SYSTEM PARTS & SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOT MALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
MAINTENANCE & REPAIRS					
60-5-0000-0441 PRISON WORKER MEALS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0442 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
60-5-0000-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
60-5-0000-0448 SYSTEM REPAIRS & MAINTEN	0.00	0.00	0.00	0.00	0.00
60-5-0000-0449 CONTRACTED SERVICES	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00
CONTRACTED SERVICES					
60-5-0000-0458 LEGAL FEES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0459 ANNUAL AUDITS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0460 COMMERCIAL GARBAGE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0461 PRAIRIELANDS GCD	0.00	0.00	0.00	0.00	0.00
60-5-0000-0462 RESIDENTIAL GARBAGE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0463 MIDLOTHIAN WATER PURCHAS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0464 ENGINEERING SERVICES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0465 TRA FEES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0466 RENTAL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
60-5-0000-0467 MT PEAK BILLING FEES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
60-5-0000-0469 LIABILITY & PROPERTY	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	0.00	0.00	0.00	0.00	0.00
DEPARTMENTAL					
60-5-0000-0472 W. & S. TRANSFER OUT	0.00	0.00	0.00	0.00	0.00
60-5-0000-0474 W. & S. GRANT OBLIGATION	0.00	0.00	0.00	0.00	0.00
60-5-0000-0475 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0476 ADMINISTRATIVE EXPENSE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0477 WATER SAMPLES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0478 SEWER TESTS	0.00	0.00	0.00	0.00	0.00
60-5-0000-0480 WASTE REMOVAL	0.00	0.00	0.00	0.00	0.00
60-5-0000-0482 W. & S. DEPOSITS RETURNE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0484 W. & S. SALES TAX	0.00	0.00	0.00	0.00	0.00
60-5-0000-0485 DEPRECIATION EXPENSE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0486 MISCELLANEOUS	0.00	0.00	1,650.04	0.00	(1,650.04)
60-5-0000-0487 BNSF RAILROAD LEASES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0488 MERCHANT SERVICE FEES	0.00	0.00	0.00	0.00	0.00
60-5-0000-0493 TRANSFERS IN/OUT	0.00	0.00	0.00	0.00	0.00
60-5-0000-0494 BAD DEBT EXPENSE	0.00	0.00	0.00	0.00	0.00
TOTAL DEPARTMENTAL	0.00	0.00	1,650.04	0.00	(1,650.04)
DEBT [illegible]MENTS					
60-[illegible]00-0501 NOTE PRINCIPAL	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0502 NOTE INTEREST	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0503 2018 CO ISSUE COST	0.00	0.00	0.00	0.00	0.00
60-[illegible]00-0504 BOND INDEBTEDNESS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
60-5-0000-0505 INTEREST/SINKING PAYM	0.00	0.00	0.00	0.00	0.00
60-5-0000-0506 BOND PRINCIPAL	232,000.00	0.00	234,000.00	100.86	(2,000.00)
60-5-0000-0507 BOND INTEREST	73,766.00	0.00	33,086.40	44.85	40,679.60
60-5-0000-0508 CAPITAL LEASE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0509 TRA BUY-IN	77,500.00	0.00	77,500.00	100.00	0.00
60-5-0000-0510 CAPITAL LEASE INTEREST	0.00	0.00	0.00	0.00	0.00
60-5-0000-0511 NOTE PAYABLE INTEREST	29,838.00	0.00	29,838.00	100.00	0.00
60-5-0000-0512 AMORTIZATION EXPENSE	0.00	0.00	0.00	0.00	0.00
TOTAL DEBT PAYMENTS	413,104.00	0.00	374,424.40	90.64	38,679.60
VEHICLE LEASES					
60-5-0000-0598 GASB 34 PRINCIPAL ADJUST	0.00	0.00	0.00	0.00	0.00
60-5-0000-0599 GASB 34 INTEREST ACCRUAL	0.00	0.00	0.00	0.00	0.00
TOTAL VEHICLE LEASES	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
60-5-0000-0605 12" WATER LINE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0610 12" SEWER LINE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0611 SEWER LINE-8TH ST@RETIRE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0612 SEWER PIPE BORING HWY 67	0.00	0.00	237,345.00	0.00	(237,345.00)
60-5-0000-0615 GENERATOR & ATS-MAIN LIF	0.00	0.00	0.00	0.00	0.00
60-5-0000-0620 W&S MASTER PLAN	0.00	0.00	0.00	0.00	0.00
60-5-0000-0660 GAIN/LOSS ON DISPOSAL OF	0.00	0.00	0.00	0.00	0.00
60-5-0000-0662 CAP IMPR PLAN - WATER	0.00	0.00	0.00	0.00	0.00
60-5-0000-0663 CAP IMPR PLAN - WASTEWAT	0.00	0.00	0.00	0.00	0.00
60-5-0000-0665 CAP OUT-LANDSCAPE TRAILE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0667 CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
60-5-0000-0668 CAP OUT-WATER TANK	0.00	0.00	0.00	0.00	0.00
60-5-0000-0669 CAP OUT-PRISON LIFT ST P	0.00	0.00	0.00	0.00	0.00
60-5-0000-0670 CAMERA SURVEILLANCE SYST	0.00	0.00	0.00	0.00	0.00
60-5-0000-0671 SECURITY GATE-PUBLIC WOR	0.00	0.00	0.00	0.00	0.00
60-5-0000-0672 AMI SYSTEM	0.00	0.00	0.00	0.00	0.00
60-5-0000-0673 CITY HALL GENERATOR	0.00	0.00	0.00	0.00	0.00
60-5-0000-0674 VAC PURCHASE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0675 CAPITAL OUTLAY-FUND 56	0.00	0.00	0.00	0.00	0.00
60-5-0000-0676 PASSENGER TRUCKS (2)	0.00	0.00	0.00	0.00	0.00
60-5-0000-0677 PE LIFT STATION UPGRADE	0.00	0.00	0.00	0.00	0.00
60-5-0000-0699 CAP OUT-CAP PROJ FUND 64	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	237,345.00	0.00	(237,345.00)
TRANSFERS					
60-[illegible]00-0720 TRANSFER (IN) OUT - DSF	0.00	0.00	0.00	0.00	0.00
TOT[illegible]RANSFERS	0.00	0.00	0.00	0.00	0.00
TOT[illegible]ON-DEPARTMENTAL	413,104.00	0.00	613,419.44	148.49	(200,315.44)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
ADMINISTRATION

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
60-5-0045-0400 SALARIES & WAGES	282,259.00	9,067.57	101,782.44	36.06	180,476.56
60-5-0045-0401 SOCIAL SECURITY TAXES	17,547.00	1,195.48	6,666.94	37.99	10,880.06
60-5-0045-0402 STATE UNEMPLOYMENT TAXES	1,134.00	0.00	7.29	0.64	1,126.71
60-5-0045-0403 MEDICARE TAXES	4,104.00	279.60	1,559.21	37.99	2,544.79
60-5-0045-0404 RETIREMENT (TMRS)	30,206.00	1,060.10	11,662.37	38.61	18,543.63
60-5-0045-0405 OVERTIME	764.00	698.92	6,761.44	885.01	(5,997.44)
60-5-0045-0406 WORKERS COMPENSATION	631.00	0.00	58.00	9.19	573.00
60-5-0045-0410 HEALTH INSURANCE	52,526.00	3,734.74	19,233.68	36.62	33,292.32
60-5-0045-0412 HRA	2,250.00	0.00	0.00	0.00	2,250.00
TOTAL PERSONNEL	391,421.00	16,036.41	147,731.37	37.74	243,689.63
TRAVEL & TRAINING					
60-5-0045-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
60-5-0045-0416 EMPLOYEE TRAINING	2,500.00	0.00	0.00	0.00	2,500.00
60-5-0045-0418 DUES & MEMBERSHIPS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	2,500.00	0.00	0.00	0.00	2,500.00
SUPPLIES					
60-5-0045-0420 UNIFORMS	1,000.00	0.00	0.00	0.00	1,000.00
60-5-0045-0421 OFFICE SUPPLIES	2,500.00	0.00	72.91	2.92	2,427.09
60-5-0045-0423 POSTAGE	7,500.00	0.00	3,357.95	44.77	4,142.05
60-5-0045-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
60-5-0045-0426 GAS & OIL	7,500.00	0.00	111.16	1.48	7,388.84
60-5-0045-0429 DEPARTMENT SUPPLIES	0.00	87.99	199.23	0.00	(199.23)
TOTAL SUPPLIES	18,500.00	87.99	3,741.25	20.22	14,758.75
UTILITIES					
60-5-0045-0430 CELL PHONES & MIFI	2,000.00	0.00	271.70	13.59	1,728.30
60-5-0045-0431 TELEPHONE SYSTEM	1,500.00	0.00	0.00	0.00	1,500.00
60-5-0045-0432 UTILITIES	0.00	0.00	51.05	0.00	(51.05)
TOTAL UTILITIES	3,500.00	0.00	322.75	9.22	3,177.25
SMALL EQUIPMENT					
60-5-0045-0433 SMALL EQUIPMENT (<$5,000	10,000.00	0.00	0.00	0.00	10,000.00
TOTAL SMALL EQUIPMENT	10,000.00	0.00	0.00	0.00	10,000.00
MAIN NCE & REPAIRS					
60- 45-0442 BUILDING R&M	1,500.00	36.04	485.08	32.34	1,014.92
60- 45-0445 VEHICLE R&M	4,500.00	0.00	25.50	0.57	4,474.50
60- 45-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOT. AINTENANCE & REPAIRS	6,000.00	36.04	510.58	8.51	5,489.42

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
ADMINISTRATION

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
60-5-0045-0451 MT PEAK BILLING FEES	0.00	0.00	0.00	0.00	0.00
60-5-0045-0458 DATA PROSE SERVICES	4,200.00	0.00	1,942.15	46.24	2,257.85
60-5-0045-0459 AUDIT SERVICES	25,250.00	0.00	0.00	0.00	25,250.00
60-5-0045-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
60-5-0045-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
60-5-0045-0465 CIVIL INSPECTIONS	0.00	0.00	950.00	0.00	(950.00)
60-5-0045-0468 INFORMATION TECHNOLOGY	28,525.00	0.00	16,042.21	56.24	12,482.79
60-5-0045-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	57,975.00	0.00	18,934.36	32.66	39,040.64
DEPARTMENTAL					
60-5-0045-0486 MISCELLANEOUS	500.00	0.00	0.00	0.00	500.00
60-5-0045-0488 MERCHANT SERVICE FEES	4,200.00	0.00	5,768.24	137.34	(1,568.24)
TOTAL DEPARTMENTAL	4,700.00	0.00	5,768.24	122.73	(1,068.24)
SPECIAL PROJECTS					
60-5-0045-0495 SPECIAL PROJECTS	5,000.00	0.00	0.00	0.00	5,000.00
TOTAL SPECIAL PROJECTS	5,000.00	0.00	0.00	0.00	5,000.00
VEHICLE LEASES					
60-5-0045-0560 VEHICLE LEASE PAYMENTS	11,000.00	0.00	0.00	0.00	11,000.00
60-5-0045-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
60-5-0045-0562 VEHICLE MAINT PLAN	150.00	6.00	30.00	20.00	120.00
TOTAL VEHICLE LEASES	11,150.00	6.00	30.00	0.27	11,120.00
TOTAL ADMINISTRATION	510,746.00	16,166.44	177,038.55	34.66	333,707.45

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
WATER DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
60-5-0065-0400 SALARIES & WAGES	150,669.00	2,558.79	27,565.57	18.30	123,103.43
60-5-0065-0401 SOCIAL SECURITY TAXES	9,669.00	356.00	1,801.58	18.63	7,867.42
60-5-0065-0402 STATE UNEMPLOYMENT TAXES	756.00	0.00	4.62	0.61	751.38
60-5-0065-0403 MEDICARE TAXES	2,261.00	83.27	421.41	18.64	1,839.59
60-5-0065-0404 RETIREMENT (TMRS)	16,644.00	307.10	3,284.30	19.73	13,359.70
60-5-0065-0405 OVERTIME	5,286.00	268.31	2,996.63	56.69	2,289.37
60-5-0065-0406 WORKERS COMPENSATION	3,830.00	0.00	1,638.50	42.78	2,191.50
60-5-0065-0410 HEALTH INSURANCE	36,171.00	2,022.26	9,888.38	27.34	26,282.62
60-5-0065-0412 HRA	1,542.00	0.00	0.00	0.00	1,542.00
TOTAL PERSONNEL	226,828.00	5,595.73	47,600.99	20.99	179,227.01
TRAVEL & TRAINING					
60-5-0065-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
60-5-0065-0416 EMPLOYEE TRAINING	3,000.00	(125.50)	455.50	15.18	2,544.50
60-5-0065-0418 DUES & MEMBERSHIPS	750.00	764.10	823.01	109.73	(73.01)
TOTAL TRAVEL & TRAINING	3,750.00	638.60	1,278.51	34.09	2,471.49
SUPPLIES					
60-5-0065-0420 UNIFORMS	1,500.00	6.30	850.41	56.69	649.59
60-5-0065-0421 OFFICE SUPPLIES	750.00	100.09	223.48	29.80	526.52
60-5-0065-0423 POSTAGE	0.00	38.20	46.05	0.00	(46.05)
60-5-0065-0424 TCEQ PERMITS	0.00	0.00	3,035.55	0.00	(3,035.55)
60-5-0065-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
60-5-0065-0426 GAS & OIL	7,000.00	0.00	1,304.69	18.64	5,695.31
60-5-0065-0429 DEPARTMENT SUPPLIES	2,000.00	12.12	774.04	38.70	1,225.96
TOTAL SUPPLIES	11,250.00	156.71	6,234.22	55.42	5,015.78
UTILITIES					
60-5-0065-0430 CELL PHONES & MIFI	1,400.00	0.00	663.07	47.36	736.93
60-5-0065-0432 UTILITIES	6,000.00	434.82	2,069.58	34.49	3,930.42
TOTAL UTILITIES	7,400.00	434.82	2,732.65	36.93	4,667.35
SMALL EQUIPMENT					
60-5-0065-0433 SMALL EQUIPMENT (<$5,000	4,000.00	0.00	191.90	4.80	3,808.10
60-5-0065-0434 RENTAL EQUIPMENT	1,600.00	0.00	0.00	0.00	1,600.00
TOTAL SMALL EQUIPMENT	5,600.00	0.00	191.90	3.43	5,408.10
MAINTENANCE & REPAIRS					
60-5-0065-0442 BUILDING R&M	500.00	0.00	62.50	12.50	437.50
60-5-0065-0445 VEHICLE R&M	2,600.00	436.13	755.71	29.07	1,844.29
60-5-0065-0446 EQUIPMENT R&M	5,000.00	0.00	561.01	11.22	4,438.99
60-5-0065-0448 CONTRACTED SYSTEM R&M	20,000.00	0.00	0.00	0.00	20,000.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
WATER DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
60-5-0065-0449 SYSTEM PARTS & SUPP (INV	25,000.00	624.78	9,037.81	36.15	15,962.19
TOTAL MAINTENANCE & REPAIRS	53,100.00	1,060.91	10,417.03	19.62	42,682.97
CONTRACTED SERVICES					
60-5-0065-0450 MIDLOTHIAN WATER PURCHAS	825,000.00	0.00	277,844.70	33.68	547,155.30
60-5-0065-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
60-5-0065-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
60-5-0065-0464 ENGINEERING SERVICES	15,000.00	0.00	0.00	0.00	15,000.00
60-5-0065-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
60-5-0065-0469 GEN LIAB & PROPERTY INSU	7,494.00	0.00	4,087.40	54.54	3,406.60
TOTAL CONTRACTED SERVICES	847,494.00	0.00	281,932.10	33.27	565,561.90
DEPARTMENTAL					
60-5-0065-0477 WATER SAMPLES	3,000.00	100.00	622.66	20.76	2,377.34
60-5-0065-0482 CHEMICALS	1,000.00	0.00	0.00	0.00	1,000.00
60-5-0065-0484 TCEQ PERMITS	5,000.00	0.00	620.00	12.40	4,380.00
60-5-0065-0486 MISCELLANEOUS	500.00	30.00	40.00	8.00	460.00
60-5-0065-0487 BNSF RAILROAD LEASES	2,650.00	0.00	0.00	0.00	2,650.00
TOTAL DEPARTMENTAL	12,150.00	130.00	1,282.66	10.56	10,867.34
SPECIAL PROJECTS					
60-5-0065-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
60-5-0065-0560 VEHICLE LEASE PAYMENTS	20,000.00	1,211.24	2,980.54	14.90	17,019.46
60-5-0065-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
60-5-0065-0562 VEHICLE MAINT PLAN	0.00	71.89	195.13	0.00	(195.13)
TOTAL VEHICLE LEASES	20,000.00	1,283.13	3,175.67	15.88	16,824.33
TOTAL WATER DEPARTMENT	1,187,572.00	9,299.90	354,845.73	29.88	832,726.27

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
SANITATION DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
60-5-0075-0400 SALARIES & WAGES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0401 SOCIAL SECURITY TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0402 STATE UNEMPLOYMENT TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0403 MEDICARE TAXES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0404 RETIREMENT (TMRS)	0.00	0.00	0.00	0.00	0.00
60-5-0075-0405 OVERTIME	0.00	0.00	0.00	0.00	0.00
60-5-0075-0406 WORKERS COMPENSATION	0.00	0.00	0.00	0.00	0.00
60-5-0075-0410 HEALTH INSURANCE	0.00	0.00	0.00	0.00	0.00
60-5-0075-0412 HRA	0.00	0.00	0.00	0.00	0.00
TOTAL PERSONNEL	0.00	0.00	0.00	0.00	0.00
TRAVEL & TRAINING					
60-5-0075-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
60-5-0075-0416 EMPLOYEE TRAINING	0.00	0.00	0.00	0.00	0.00
60-5-0075-0418 DUES & MEMBERSHIPS	0.00	0.00	0.00	0.00	0.00
TOTAL TRAVEL & TRAINING	0.00	0.00	0.00	0.00	0.00
SUPPLIES					
60-5-0075-0420 UNIFORMS	0.00	0.00	0.00	0.00	0.00
60-5-0075-0421 OFFICE SUPPLIES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0423 POSTAGE	0.00	0.00	0.00	0.00	0.00
60-5-0075-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
60-5-0075-0426 GAS & OIL	0.00	0.00	0.00	0.00	0.00
60-5-0075-0429 DEPARTMENT SUPPLIES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES	0.00	0.00	0.00	0.00	0.00
UTILITIES					
60-5-0075-0430 CELL PHONES & MIFI	0.00	0.00	0.00	0.00	0.00
60-5-0075-0432 UTILITIES	0.00	0.00	0.00	0.00	0.00
TOTAL UTILITIES	0.00	0.00	0.00	0.00	0.00
SMALL EQUIPMENT					
60-5-0075-0433 SMALL EQUIPMENT (<$5,000	0.00	0.00	0.00	0.00	0.00
TOTAL SMALL EQUIPMENT	0.00	0.00	0.00	0.00	0.00
MAINTENANCE & REPAIRS					
60-5-0075-0442 BUILDING R&M	0.00	0.00	0.00	0.00	0.00
60-5-0075-0445 VEHICLE R&M	0.00	0.00	0.00	0.00	0.00
60-5-0075-0446 EQUIPMENT R&M	0.00	0.00	0.00	0.00	0.00
TOTAL MAINTENANCE & REPAIRS	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
SANITATION DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
60-5-0075-0456 COMMERCIAL GARBAGE	353,020.00	0.00	75,090.63	21.27	277,929.37
60-5-0075-0457 RESIDENTIAL GARBAGE	323,232.00	0.00	110,887.36	34.31	212,344.64
60-5-0075-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
60-5-0075-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
60-5-0075-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
60-5-0075-0469 GEN LIAB & PROPERTY INSU	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTED SERVICES	676,252.00	0.00	185,977.99	27.50	490,274.01
SPECIAL PROJECTS					
60-5-0075-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SANITATION DEPARTMENT	676,252.00	0.00	185,977.99	27.50	490,274.01

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
SEWER DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
PERSONNEL					
60-5-0085-0400 SALARIES & WAGES	150,669.00	2,558.82	27,505.71	18.26	123,163.29
60-5-0085-0401 SOCIAL SECURITY TAXES	9,669.00	356.01	1,798.20	18.60	7,870.80
60-5-0085-0402 STATE UNEMPLOYMENT TAXES	756.00	0.00	4.62	0.61	751.38
60-5-0085-0403 MEDICARE TAXES	2,261.00	83.26	420.49	18.60	1,840.51
60-5-0085-0404 RETIREMENT (TMRS)	16,644.00	307.08	3,277.76	19.69	13,366.24
60-5-0085-0405 OVERTIME	5,286.00	268.32	2,996.72	56.69	2,289.28
60-5-0085-0406 WORKERS COMPENSATION	3,818.00	0.00	1,020.50	26.73	2,797.50
60-5-0085-0410 HEALTH INSURANCE	36,170.00	1,205.15	6,680.46	18.47	29,489.54
60-5-0085-0412 HRA	1,542.00	0.00	0.00	0.00	1,542.00
TOTAL PERSONNEL	226,815.00	4,778.64	43,704.46	19.27	183,110.54
TRAVEL & TRAINING					
60-5-0085-0414 TRAVEL REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00
60-5-0085-0416 EMPLOYEE TRAINING	3,000.00	0.00	0.00	0.00	3,000.00
60-5-0085-0418 DUES & MEMBERSHIPS	750.00	0.00	0.00	0.00	750.00
TOTAL TRAVEL & TRAINING	3,750.00	0.00	0.00	0.00	3,750.00
SUPPLIES					
60-5-0085-0420 UNIFORMS	1,500.00	6.29	580.43	38.70	919.57
60-5-0085-0421 OFFICE SUPPLIES	750.00	117.75	151.07	20.14	598.93
60-5-0085-0423 POSTAGE	0.00	0.00	0.00	0.00	0.00
60-5-0085-0425 COPIERS	0.00	0.00	0.00	0.00	0.00
60-5-0085-0426 GAS & OIL	7,000.00	0.00	1,304.69	18.64	5,695.31
60-5-0085-0429 DEPARTMENT SUPPLIES	9,000.00	30.01	5,199.84	57.78	3,800.16
TOTAL SUPPLIES	18,250.00	154.05	7,236.03	39.65	11,013.97
UTILITIES					
60-5-0085-0430 CELL PHONES & MIFI	1,400.00	0.00	535.25	38.23	864.75
60-5-0085-0432 UTILITIES	29,000.00	3,728.71	17,794.30	61.36	11,205.70
TOTAL UTILITIES	30,400.00	3,728.71	18,329.55	60.29	12,070.45
SMALL EQUIPMENT					
60-5-0085-0433 SMALL EQUIPMENT (<$5,000	5,000.00	0.00	191.90	3.84	4,808.10
60-5-0085-0434 RENTAL EQUIPMENT	1,000.00	0.00	0.00	0.00	1,000.00
TOTAL SMALL EQUIPMENT	6,000.00	0.00	191.90	3.20	5,808.10
MAINTENANCE & REPAIRS					
60-5-0085-0442 BUILDING R&M	500.00	0.00	62.50	12.50	437.50
60-5-0085-0445 VEHICLE R&M	2,600.00	347.87	635.20	24.43	1,964.80
60-5-0085-0446 EQUIPMENT R&M	5,000.00	0.00	468.02	9.36	4,531.98
60-5-0085-0448 CONTRACTED SYSTEM R&M	50,000.00	0.00	5,978.50	11.96	44,021.50
60-5-0085-0449 SYSTEM PARTS & SUPP (INV	15,000.00	0.00	1,382.57	9.22	13,617.43
TOTAL MAINTENANCE & REPAIRS	73,100.00	347.87	8,526.79	11.66	64,573.21

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

60 -WATER & SEWER FUND
SEWER DEPARTMENT

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTED SERVICES					
60-5-0085-0453 TRA FEES	1,925,375.00	144,050.00	893,746.00	46.42	1,031,629.00
60-5-0085-0460 OTHER CONTRACTED SERVICE	0.00	0.00	0.00	0.00	0.00
60-5-0085-0462 LEGAL SERVICES	0.00	0.00	0.00	0.00	0.00
60-5-0085-0464 ENGINEERING SERVICES	25,000.00	0.00	0.00	0.00	25,000.00
60-5-0085-0468 INFORMATION TECHNOLOGY	0.00	0.00	0.00	0.00	0.00
60-5-0085-0469 GEN LIAB & PROPERTY INSU	7,494.00	0.00	1,716.54	22.91	5,777.46
TOTAL CONTRACTED SERVICES	1,957,869.00	144,050.00	895,462.54	45.74	1,062,406.46
DEPARTMENTAL					
60-5-0085-0482 CHEMICALS	2,000.00	0.00	0.00	0.00	2,000.00
60-5-0085-0484 TCEQ PERMIT FEES	0.00	0.00	0.00	0.00	0.00
60-5-0085-0486 MISCELLANEOUS	500.00	0.00	0.00	0.00	500.00
60-5-0085-0487 BNSF RAILROAD LEASES	2,650.00	0.00	2,722.67	102.74	(72.67)
TOTAL DEPARTMENTAL	5,150.00	0.00	2,722.67	52.87	2,427.33
SPECIAL PROJECTS					
60-5-0085-0495 SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
TOTAL SPECIAL PROJECTS	0.00	0.00	0.00	0.00	0.00
VEHICLE LEASES					
60-5-0085-0560 VEHICLE LEASE PAYMENTS	0.00	1,211.23	2,980.54	0.00	(2,980.54)
60-5-0085-0561 VEHICLE MAKE READY	0.00	0.00	0.00	0.00	0.00
60-5-0085-0562 VEHICLE MAINT PLAN	0.00	65.87	165.11	0.00	(165.11)
TOTAL VEHICLE LEASES	0.00	1,277.10	3,145.65	0.00	(3,145.65)
TOTAL SEWER DEPARTMENT	2,321,334.00	154,336.37	979,319.59	42.19	1,342,014.41
TOTAL EXPENDITURES	5,109,008.00	179,802.71	2,310,601.30	45.23	2,798,406.70
REVENUES OVER/(UNDER) EXPENDITURES	(1,400,033.00)	149,923.27	(396,547.07)		(1,003,485.93)

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

64 -W/S CPF - 2018 CO BONDS
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
INTEREST	0.00	0.00	5,052.26	0.00	(5,052.26)
OTHER SOURCES	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	5,052.26	0.00	(5,052.26)
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	12,075.00	15,204.20	0.00	(15,204.20)
TOTAL EXPENDITURES	0.00	12,075.00	15,204.20	0.00	(15,204.20)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(12,075.00)	(10,151.94)		10,151.94

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

64 -W/S CPF - 2018 CO BONDS

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
INTEREST					
64-4-0000-0360 INTEREST EARNINGS	0.00	0.00	5,052.26	0.00	(5,052.26)
TOTAL INTEREST	0.00	0.00	5,052.26	0.00	(5,052.26)
OTHER SOURCES					
64-4-0000-0450 CAPITAL CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
TOTAL OTHER SOURCES	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	5,052.26	0.00	(5,052.26)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

64 -W/S CPF - 2018 CO BONDS
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SUPPLIES & REPAIRS					
64-5-0000-0438 LEGAL NOTICES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES & REPAIRS	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
64-5-0000-0615 GEN/ATS MAIN LIFT STATIO	0.00	0.00	3,129.20	0.00	(3,129.20)
64-5-0000-0616 12" WATER LINE FM157	0.00	0.00	0.00	0.00	0.00
64-5-0000-0620 CIP-PUMP STATION ENGINEE	0.00	0.00	0.00	0.00	0.00
64-5-0000-0621 ELEVATED STORAGE TANK	0.00	0.00	0.00	0.00	0.00
64-5-0000-0661 SEWER LINE-8TH ST @ RETI	0.00	0.00	0.00	0.00	0.00
64-5-0000-0662 CITY HALL INTERIOR RENOV	0.00	0.00	0.00	0.00	0.00
64-5-0000-0663 WATER METER PROJECT	0.00	12,075.00	12,075.00	0.00	(12,075.00)
64-5-0000-0664 BRAHMAN RANCH WTPP	0.00	0.00	0.00	0.00	0.00
64-5-0000-0665 CITY HALL SEWER LINE	0.00	0.00	0.00	0.00	0.00
64-5-0000-0666 CAP OUT-PALLADIUM FORCE	0.00	0.00	0.00	0.00	0.00
64-5-0000-0667 CAP OUT - ROAD CONSTRUCT	0.00	0.00	0.00	0.00	0.00
64-5-0000-0668 CAP OUT- WATER TANK	0.00	0.00	0.00	0.00	0.00
64-5-0000-0669 6" PRV AND WATER VAULT	0.00	0.00	0.00	0.00	0.00
64-5-0000-0670 PW SECURITY GATE	0.00	0.00	0.00	0.00	0.00
64-5-0000-0671 ACCES SYTEM-PW SECURITY	0.00	0.00	0.00	0.00	0.00
64-5-0000-0672 CAPITAL OUTLAY	0.00	0.00	0.00	0.00	0.00
64-5-0000-0673 CITY HALL GENERATOR	0.00	0.00	0.00	0.00	0.00
64-5-0000-0674 CITY HALL PARKING LOT	0.00	0.00	0.00	0.00	0.00
64-5-0000-0675 SCADA SYSTEM	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	12,075.00	15,204.20	0.00	(15,204.20)
TRANSFERS					
64-5-0000-0770 TRANSFER TO CPF 70	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	0.00	12,075.00	15,204.20	0.00	(15,204.20)
TOTAL EXPENDITURES	0.00	12,075.00	15,204.20	0.00	(15,204.20)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(12,075.00)	(10,151.94)		10,151.94

*** OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

66 -BRAHMAN RANCH WTPP
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	0.00	133,114.50	0.00	(133,114.50)
TOTAL EXPENDITURES	0.00	0.00	133,114.50	0.00	(133,114.50)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(133,114.50)		133,114.50

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

66 -BRAHMAN RANCH WTPP

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRIBUTIONS					
66-4-0000-0351 DEV CONTRIBUTIONS-WTPP	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

66 -BRAHMAN RANCH WTPP
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
SUPPLIES & REPAIRS					
66-5-0000-0438 LEGAL NOTICES	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLIES & REPAIRS	0.00	0.00	0.00	0.00	0.00
CONTRACTS					
66-5-0000-0464 ENGINEERING SERVICES	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTS	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
66-5-0000-0620 WTPP ACCESS ROAD	0.00	0.00	0.00	0.00	0.00
66-5-0000-0661 CONSTRUCTION	0.00	0.00	133,114.50	0.00	(133,114.50)
TOTAL CAPITAL OUTLAY	0.00	0.00	133,114.50	0.00	(133,114.50)
TOTAL NON-DEPARTMENTAL	0.00	0.00	133,114.50	0.00	(133,114.50)
TOTAL EXPENDITURES	0.00	0.00	133,114.50	0.00	(133,114.50)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(133,114.50)		133,114.50

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

70 -GF CPF - 2018 CO BONDS
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.	0.00	0.00	0.00	0.00	0.00
OTHER SOURCES	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	0.00	13,891.00	0.00	(13,891.00)
TOTAL EXPENDITURES	0.00	0.00	13,891.00	0.00	(13,891.00)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(13,891.00)		13,891.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

70 -GF CPF - 2018 CO BONDS

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
INTEREST					
70-4-0000-0360 INTEREST EARNINGS	0.00	0.00	0.00	0.00	0.00
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.00
MISC. REV.					
70-4-0000-0372 INSURANCE PROCEEDS	0.00	0.00	0.00	0.00	0.00
TOTAL MISC. REV.	0.00	0.00	0.00	0.00	0.00
OTHER SOURCES					
70-4-0000-0450 CAPITAL CONTRIBUTIONS	0.00	0.00	0.00	0.00	0.00
TOTAL OTHER SOURCES	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES	0.00	0.00	0.00	0.00	0.00

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

70 -GF CPF - 2018 CO BONDS
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTS					
70-5-0000-0468 WATER/SEWER IMPROVEMENTS	0.00	0.00	0.00	0.00	0.00
70-5-0000-0469 2018 CO ISSUE COSTS	0.00	0.00	0.00	0.00	0.00
TOTAL CONTRACTS	0.00	0.00	0.00	0.00	0.00
INTEREST					
70-5-0000-0475 BUILDING	0.00	0.00	0.00	0.00	0.00
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY					
70-5-0000-0661 CITY HALL IMPROVEMENTS	0.00	0.00	0.00	0.00	0.00
70-5-0000-0663 CITY HALL PARKING LOT	0.00	0.00	13,891.00	0.00	(13,891.00)
70-5-0000-0665 FIRE DEPT BLDG IMPROVEME	0.00	0.00	0.00	0.00	0.00
70-5-0000-0667 CAP OUT - ROAD CONSTRUCT	0.00	0.00	0.00	0.00	0.00
70-5-0000-0668 WATER/SEWER IMPROVEMENTS	0.00	0.00	0.00	0.00	0.00
70-5-0000-0671 OLD POLICE BLDG REMODEL	0.00	0.00	0.00	0.00	0.00
70-5-0000-0672 OLD PD RENOVATION-PHASE	0.00	0.00	0.00	0.00	0.00
TOTAL CAPITAL OUTLAY	0.00	0.00	13,891.00	0.00	(13,891.00)
TRANSFERS					
70-5-0000-0746 TRANSFER FROM FUND 46	0.00	0.00	0.00	0.00	0.00
70-5-0000-0764 TRANSFER FROM CPF 64	0.00	0.00	0.00	0.00	0.00
TOTAL TRANSFERS	0.00	0.00	0.00	0.00	0.00
TOTAL NON-DEPARTMENTAL	0.00	0.00	13,891.00	0.00	(13,891.00)
TOTAL EXPENDITURES	0.00	0.00	13,891.00	0.00	(13,891.00)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	0.00	(13,891.00)		13,891.00

*** END OF REPORT ***

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

71 -2022 CO BOND FUND
FINANCIAL SUMMARY

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
REVENUE SUMMARY					
INTEREST	0.00	0.00	82,839.86	0.00	(82,839.86)
OTHER SOURCES	0.00	0.00	8,000,000.00	0.00	(8,000,000.00)
TOTAL REVENUES	0.00	0.00	8,082,839.86	0.00	(8,082,839.86)
EXPENDITURE SUMMARY					
NON-DEPARTMENTAL	0.00	327,822.23	427,822.23	0.00	(427,822.23)
TOTAL EXPENDITURES	0.00	327,822.23	427,822.23	0.00	(427,822.23)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(327,822.23)	7,655,017.63		(7,655,017.63)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

71 -2022 CO BOND FUND

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
INTEREST					
71-4-0000-0360 INTEREST EARNINGS	0.00	0.00	82,839.86	0.00	(82,839.86)
TOTAL INTEREST	0.00	0.00	82,839.86	0.00	(82,839.86)
OTHER SOURCES					
71-4-0000-0451 BOND PROCEEDS	0.00	0.00	8,000,000.00	0.00	(8,000,000.00)
TOTAL OTHER SOURCES	0.00	0.00	8,000,000.00	0.00	(8,000,000.00)
TOTAL REVENUES	0.00	0.00	8,082,839.86	0.00	(8,082,839.86)

REVENUE & EXPENSE REPORT (UNAUDITED)
AS OF: FEBRUARY 28TH, 2023

71 -2022 CO BOND FUND
NON-DEPARTMENTAL

DEPARTMENTAL EXPENDITURES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	% OF BUDGET	BUDGET BALANCE
CONTRACTS					
71-5-0000-0469 BOND ISSUE COSTS	0.00	0.00	100,000.00	0.00	(100,000.00)
TOTAL CONTRACTS	0.00	0.00	100,000.00	0.00	(100,000.00)
DEPARTMENTAL					
71-5-0000-0506 BOND PRINCIPAL	0.00	230,000.00	230,000.00	0.00	(230,000.00)
71-5-0000-0507 BOND INTEREST	0.00	97,822.23	97,822.23	0.00	(97,822.23)
TOTAL DEPARTMENTAL	0.00	327,822.23	327,822.23	0.00	(327,822.23)
TOTAL NON-DEPARTMENTAL	0.00	327,822.23	427,822.23	0.00	(427,822.23)
TOTAL EXPENDITURES	0.00	327,822.23	427,822.23	0.00	(427,822.23)
REVENUES OVER/(UNDER) EXPENDITURES	0.00	(327,822.23)	7,655,017.63		(7,655,017.63)

*** END OF REPORT ***

Racial Profiling Analysis Report

VENUS FIRE MARSHALS OFFICE

01. Total Traffic Stops:	0
02. Location of Stop:	
a. City Street	0
b. US Highway	0
c. County Road	0
d. State Highway	0
e. Private Property or Other	0
03. Was Race known prior to Stop:	
a. NO	0
b. YES	0
04. Race or Ethnicity:	
a. Alaska/ Native American/ Indian	0
b. Asian/ Pacific Islander	0
c. Black	0
d. White	0
e. Hispanic/ Latino	0
05. Gender:	
a. Female	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Male	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
06. Reason for Stop:	
a. Violation of Law	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0

Racial Profiling Analysis Report

iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Pre-Existing Knowledge	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
c. Moving Traffic Violation	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
d. Vehicle Traffic Violation	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
07. Was a Search Conducted:	
a. NO	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. YES	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
08. Reason for Search:	
a. Consent	0

i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Contraband in Plain View	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
c. Probable Cause	0
ii. Alaska/ Native American/ Indian	0
i. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
d. Inventory	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
e. Incident to Arrest	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

09. Was Contraband Discovered:	
YES	0
i. Alaska/ Native American/ Indian	0
Finding resulted in arrest - YES	0
Finding resulted in arrest - NO	0
ii. Asian/ Pacific Islander	0
Finding resulted in arrest - YES	0
Finding resulted in arrest - NO	0
iii. Black	0

Racial Profiling Analysis Report

Finding resulted in arrest - YES	0
Finding resulted in arrest - NO	0
iv. White	0
Finding resulted in arrest - YES	0
Finding resulted in arrest - NO	0
v. Hispanic/ Latino	0
Finding resulted in arrest - YES	0
Finding resulted in arrest - NO	0
b. NO	0
i. Alaska/ Native American/ Indian	0
i. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

10. Description of Contraband:	
a. Drugs	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Currency	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
c. Weapons	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
d. Alcohol	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0

Racial Profiling Analysis Report

v. Hispanic/ Latino	0
e. Stolen Property	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
f. Other	0
i. Alaska/ Native American/ Indian	0
i. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

11. Result of Stop:	
a. Verbal Warning	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Written Warning	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
c. Citation	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
d. Written Warning and Arrest	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

Racial Profiling Analysis Report

e. Citation and Arrest	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
f. Arrest	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

12. Arrest Based On:	
a. Violation of Penal Code	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. Violation of Traffic Law	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
c. Violation of City Ordinance	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
d. Outstanding Warrant	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0

Racial Profiling Analysis Report

13. Was Physical Force Used:	
a. NO	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b. YES	0
i. Alaska/ Native American/ Indian	0
ii. Asian/ Pacific Islander	0
iii. Black	0
iv. White	0
v. Hispanic/ Latino	0
b 1. YES: Physical Force Resulting in Bodily Injury to Suspect	0
b 2. YES: Physical Force Resulting in Bodily Injury to Officer	0
b 3. YES: Physical Force Resulting in Bodily Injury to Both	0

14. Total Number of Racial Profiling Complaints Received:	0

REPORT DATE COMPILED 01/12/2023

Racial Profiling Report | Exempt

Agency Name: VENUS FIRE MARSHALS OFFICE
Reporting Date: 01/12/2023
TCOLE Agency Number: 251310

Chief Administrator: RICHARD L. ALLEN

Agency Contact Information:
Phone: (469) 716-4978
Email: rallen@cityofvenus.org

Mailing Address:
700 West Hwy 67
VENUS, TX 76084

FULL EXEMPTION RACIAL PROFILING REPORT

Article 2.132 CCP Law Enforcement Policy on Racial Profiling a.) In this article:

1.) "Law enforcement agency" means an agency of the state, or of a county, municipality , or other political subdivision of the state, that employs peace officers who make traffic stops in the routine performance of the officers' official duties.

I certify it is not the policy of this agency to make traffic stops in the routine performance of the officers' official duties.

Executed by: RICHARD L. ALLEN
Fire Marshal

Date: 01/12/2023

Submitted electronically to the

The Texas Commission on Law Enforcement

March 2023

City Administrator's Report to Council

City Administration continues work on implementation of ClearGov Digital Budget Book. Financial data has been pulled from Incode. Department heads are creating departmental organizational charts as well as other measurable data in order to create a clear picture of the functions and goals of their departments for the citizens of Venus. Citywide information is also being correlated to be include in the document. Upon completion, citizens will have the ability to compare previous budgets as well as current budget and actual which will be updated on a monthly basis. Additionally, we will begin implementation of other modules including: Capital Projects, Operations, Personnel, and Transparency.

City Administration along with Development Services Director have been in negotiations with developers to provide additional water and sewer capacity to the City of Venus. We have also met recently with TRA and have been informed that the Soap Creek Interceptor Line will not be operational until some time in 2026.

Update: TIRZ Funds—We have been notified by Johnson County that the report for TIRZ Funds will not be delivered until the month of April.

EASTER ON THE SQUARE

SATURDAY APRIL 8TH—9:30—NOON

EGG HUNTS START AT 10:45 AM



CITYWIDE CLEAN-UP

SATURDAY APRIL 29TH

7 AM—4PM

Or until dumpsters are full



INSIDE THIS ISSUE

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Permits & Inspections 3
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UPCOMING EVENTS

Easter on the Square April 8th

Citywide Clean-up April 29th

Independence Day Celebration

7/1 @ Fielder Park

VENUS FIRE DEPARTMENT

February Report

INCIDENT INFORMATION

INCIDENT COUNT	
INCIDENT TYPE	**# INCIDENTS**
EMS	60
FIRE	23
TOTAL	**83**

MUTUAL AID	
Aid Type	**Total**
Aid Given	3
Aid Received	4

LIGHTS AND SIREN - AVERAGE TURNOUT TIME (Dispatch to Enroute)		
Station	**EMS**	**FIRE**
Fire Department	0:01:01	0:01:03
	AVERAGE FOR ALL CALLS	0:01:01

AVERAGE RESPONSE TIME – DISPATCH TO ON SCENE

IN CITY LIMITS	TOTAL FOR FIRE DISTRICT
Average response time: 5:11	Average response time: 7:44

INCIDENT TYPES

IN CITY LIMITS	# INCIDENTS	% of TOTAL
Fires	2	2.4%
Rescue & Emergency Medical Service	31	37.4%
Hazardous Condition (No Fire)	0	0.0%
Service Call	2	2.4%
Good Intent Call	3	3.6%
False Alarm & False Call	5	6.0%
TOTAL	**43**	**51.81%**
OUTSIDE CITY LIMITS	**# INCIDENTS**	**% of TOTAL**
Fires	1	1.2%
Rescue & Emergency Medical Service	29	34.5%
Hazardous Condition (No Fire)	1	1.2%
Service Call	2	2.4%
Good Intent Call	6	7.2%
False Alarm & False Call	1	1.2%
TOTAL	**40**	**48.19%**

2 Personnel attended Pipeline Safety Training in Cleburne.

Fire Prevention presentation to 96 Pre-K students at VISD Primary School.

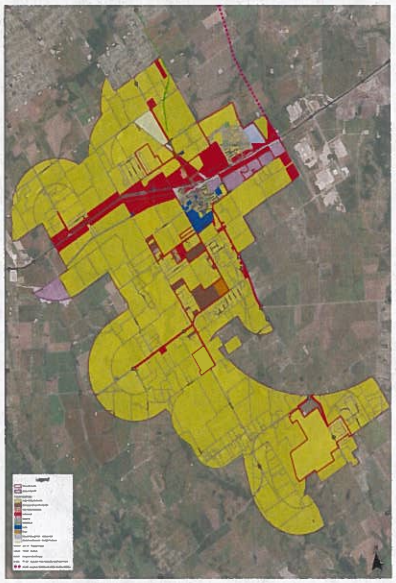
Personnel attended Make-a-Wish celebration for 6-year-old resident.

Completed inspections and plan reviews for current developments.

PLANNING & DEVELOPMENT

The Planning and Development staff performed the following activities during February:

- On February 23, 2023. The Planning and Zoning Commission recommended approval for the replat of lots 1, 2, and part of lot 3, Block 24, Venus Land and Improvement Addition known as 600, and 602 Oak St.
- Issued an Exemption Letter for the property located at 12320 FM 1807, in the City of Venus ETJ.
- Held an online meeting with project engineer for Brahman Ranch Phase 1B.
- Provided zoning information for properties in the south of Venus ETJ.
- Reviewed building permits for Heritage Hills Phase 2.
- Reviewed as-built plans for the restaurant Charley's Cheesesteaks located at 104 N FM 157.
- Met with several property owners whose lots are affected by the road expansion of S FM 157, and which are going to request variances.
- Provided information to real estate appraisers on zoning inquiries.





PERMITS & INSPECTIONS

- 33 New Permits
- 17 Certificates of Occupancy issued
- 573 Inspections
- Welcome New Permit Clerk—Samantha Hidalgo
- Plans Examiner—vacant

MUNICIPAL COURT

- 107 New Violations
- 37 Completed Cases
- 5 Dismissed by DSC
- 4 Dismissed by Deferred Disposition
- 0 Proof of Insurance Dismissals
- 4 Compliance Dismissals
- 41 Cases Paid by Fine
- 634 Warrant(s) Cleared
- $12,972 Fines/Fees Collected
- 331 Prosecutor Dismissals—these were dismissals that were issued more than two years ago but had not been processed in the system.



PUBLIC WORKS

Operations:

- TCEQ required sampling and rounds
- Hydrant flushing to maintain water quality
- Mow City easements and ROW along county roads and 10-acre property by School Admin building
- Emergency sewer pipe replacement at the Fire station is in progress
- Utility line locates to assist with contractors and developers
- Completed round of disconnects and reconnects
- Complete inspections at Bluestem, Heritage Hills Phase II, Heritage Trails Apt. Complex, Horizons, Brahman Ranch
- Supplies to self perform the installation of the 2" water line for the WWTP have been received and installation is waiting on Mountain Peak's meter.
- Yardwork at remote lift stations
- Gathering quotes for new pumps at prison lift station
- Mowing at Parks, Civic Center, Venus signs, old PW shop and city square

Projects/Engineering:

- Downtown Drainage
    - * BHC is working on drainage plan for downtown area
    - * City staff is working through area to maintain clear culverts to allow flow to move through ditches
    - * City is looking at an option to redirect drainage that flows through Oak/4th street from continuing to Meadow Ridge to drain to the South Rail Yard



through

    - * City working on a grant to help with part of the drainage cost
- Bluestem Drainage
    - * Working with Developer on completing drainage channel to standards of drawings presented by Ellis county
    - * Homebuilder has completed all outstanding drainage issues.
    - * Developer is and has been on site when dry, and actively repairing the drainage and installed the 50' culverts as required in drawings
    - * Staff continues to meet with homeowners as needed to discuss concerns, issues, and updates
- SCADA
    - * The SCADA contract with Dedicated Controls has begun installation
    - * Electrical parts on back-order
    - * Awaiting for electrical upgrades to begin
- Water Tower

  City Staff is currently reviewing alternate site options and financing, due to developer's outside issues.
- Parks updates/upgrades
    - * City staff has worked with the EDC director to install additional park equipment for Fielder Park and Shanna Park.
    - * Rubber mulch was received and installed. Additional quantities have been ordered and will be installed when they arrive
    - * Quotes have been received for the fence around Shanna park and are under review
    - * Fielder Park swings have been repainted and have been installed.
- Pump Station
    - * Waiting on exact placement – Unknown now due to moving parts. Last known option was on the West side of Venus PKWY, just North of CR 109
    - * Sizing and cost dependent upon development

- Brahman Ranch WWTP

  The structural construction is complete on WWTP site

  Plant water and electric waiting to be installed

- Venus Parkway

  BHC working with TXDOT and BNSF to finalize plans

  City working with developers to align city plans and development and development desires

  TXDOT preliminary review had no comments on road. TXDOT is reviewing study to decide whether a traffic light is warranted.

  BNSF is awaiting TXDOT approval on traffic signal to finalize approval process

  Working with adjacent landowner and developers for final location of road and additional finance mechanism to upgrade roadway.

- Certificate of Convenience and Necessity (CCN)

  City does not currently hold a CCN for water or sewer.

  Working toward obtaining both CCN's to ensure our service areas are not encroached upon by neighboring utilities

  Requested proposal from Plummer to begin work on obtaining a CCN

- City of Midlothian Take Point Upgrade

  * BHC continues to work on design and engineering for take point upgrade.
  * Communicating with City of Midlothian engineers on project timelines and expectations from both cities.
  * BHC analyzing growth pattern to stage the completion of the upgrade
  * Completion of the design is waiting on location elements that we have not secured yet.

Developments/Inspections:

Brahman Ranch

Assisting developer with completing and obtaining all requirements for start of civil construction of phase 1B

Developers engineer is submitting the LOMR for phases 1B &2

This does not stop progress on infrastructure installation, only home building in certain areas of the development

Contractor has submitted lift station submittals and last 3 are under review

Ridgeview – Pape-Dawson Inspections

Final plat approved

Lillian Homes has started working with the building department on the permitting process.

Buffalo Hills—Awaiting MUD agreement approval

Horizons – Contractor has been working on installation of sewer and water

Heritage Hills II – Final plat approved; Awaiting the park amenities to be added as defined in the developers agreement prior to final approval

Heritage Hills Multi-Family—Grade work has been done; Contractor has been working on installation of sewer and water

Patriot Estates – Phase 8—Homebuilding cntinues; Internal inspections of sidewalk and driveway grading being inspected by public works

Patriot Estates – Phase 9 – Final Plat approved

Stallion Ranch- Project has been reportedly put on hold.

Starlight - Bloomfield—Developer is working on utility easements

VENUS POLICE DEPARTMENT
MONTHLY REPORT
February 2023

Crime Stats

	02-2023	% + or -	01-2023	12-2022	3 MONTH AVERAGE
CAD EVENTS	2034	23%	1660	1638	1777
REPORTS TAKEN	29	-28%	40	36	35
ARRESTS	10	-44%	18	16	15
ACCIDENTS WORKED	11	22%	9	16	12
TRAFFIC ASSIGNMENTS	91	40%	65	56	71
TRAFFIC STOPS	361	-1%	363	309	344
CITATIONS ISSUED	111	8%	103	89	101

Department News

Attended Logan's Make A Wish celebration
Award Banquet: Officer of the Year - C. McGowan
Meritorious Service & Civic Achievement - G. Spurlock
5 year Service - McGowan,Det. Martinez,Det. Smith and Sgt May
Intermediate P.O.Cert- Det Martinez, Det Smith, Officer Hoffman
Master P.O. Certification - Lt. Gordon

Significant Police Responses

Date	Call Type	Status	Notes
Date	Call Type	Status	Notes
02/3/2023	Burglary of Vehicle	Active	Case filed with County Attorney
02/07/2023	Theft Prop $100-$750	Active	Case filed with County Attorney
02/08/2023	Assault Bodily Injury	Closed	Cleared by Arrest
02/09/2023	Disorderly Conduct-Discharge Firearm	Arrest Made	Cleared by Arrest
02/12/2023	Public Intoxication	Arrest Made	Cleared By Arrest
02/21/2023	DWI 2nd	Arrest Made	Case filed with County Attorney
02/24/2023	Harassment	Active	Case filed with County Attorney
02/27/2023	Assault Bodily Injury	Arrest Made	Case filed with County Attorney

BY-LAWS
OF
VENUS COMMUNITY SERVICE DEVELOPMENT CORPORATION

(Amended by Order of the Venus City Council Monday, August 10, 2020)

Article I.
(Offices)

The principal offices of the corporation shall be in the City of Venus, County of Johnson, State of Texas.

Article II.
(Members)

The corporation has no members and is a nonstock corporation.

Article III
(Board of Directors)

Section 1. (Number and Term of Office) The business and property of the corporation shall be managed and controlled by a board of seven (7) directors. Four (4) members of the Board of Directors shall include the Mayor plus three members of the City Council of Venus, Texas, appointed by the Venus City Council. The remaining three (3) members shall be residents of the City of Venus, also appointed by the City Council of the City of Venus, Texas. Each member of the Board of Directors shall serve at the pleasure of the City Council for a term of two years. Each member of the Board of Directors shall be entitled to one vote upon the business of the Corporation.

Section 2. (Vacancies) In case of any vacancy in the Board of Directors through death, resignation, disqualification, failure to continue to hold office as member of the City Council, failure to maintain residency in the City, or other cause, a successor director shall be appointed by the City Council of the City of Venus, Texas to serve the vacating director's unexpired term.

Section 3. (Place of Meeting) Regular meetings of the Board of Directors shall be held at the Civic Center, 210 S. Walnut St, Venus, Texas, unless otherwise determined by resolution of the Board of Directors. A regular meeting of the Board of Directors for the election of officers shall be held annually and the transaction of such other business as may come before the meeting shall be held quarterly on a date determined by the Board at their proceeding meeting, unless changed by resolution of

the Board of Directors. All meetings, regular or special, shall be called and held in accordance with the provisions of the Texas Open Meetings Act, Texas Government Code ch. 551, as amended.

Section 4. (Special Meetings) Special meetings of the Board of Directors shall be held whenever called by direction of the president, or by one-third of the directors then in office.

Section 5. (Notice of Meetings) The Secretary shall cause notice of the time and place of holding each meeting of the Board of Directors to be given to each director. Such notice may be in writing, in person, or by telephone. Notice of each meeting shall be given to the public in accordance with the provisions of the Texas Open Meetings Act, Texas Government Code ch. 551, as amended.

Section 6. (Quorum) A majority of the Board of Directors shall constitute a quorum for the transaction of business.

Section 7. (Order of Business) At meetings of the Board of Directors business shall be transacted in such order as the Board may determine. At all meetings of the Board of Directors, the president, or in his or her absence the vice-president, or in the absence of both of these officers, a member of the board selected by the members present, shall preside. The secretary of the corporation shall sit as secretary at all meetings of the board, and in case of his or her absence the chairman of the meeting may designate any person to act as secretary.

Section 8. (Contracts) No contract or other transaction between this corporation and any other corporation, person or entity shall be executed unless the majority of the Board who are present and approve by an affirmative vote such contract are persons with no interest in such other person or entity. Provided, that membership in the City Council shall not constitute an interest which shall disqualify directors from voting on contracts between this corporation and the City of Venus.

Section 9. (Additional Powers) In addition to the powers and authorities by these by-laws expressly conferred upon them, the Board of Directors may exercise all such powers of the corporation and do all lawful acts and things as are not by statue or by the charter or by these by-laws prohibited. Without prejudice to such general powers and other powers conferred by statute, by the charter and by these by-laws, it is hereby expressly declared the Board of Directors shall have the following powers:

(1) To purchase, or otherwise acquire for the corporation, any property, rights, or privileges which the corporation is authorized to acquire, at such price or consideration and generally on such terms and conditions as they think fit; and at their discretion to pay

therefor either wholly or partly in money, notes, bonds, debentures, or other securities or contracts of the corporation as may be lawful.

(2) To create, make and issue notes, mortgages, bonds, deeds of trust, trust agreements and negotiable or transferable instruments and securities, secured by mortgage or deed of trust on any real property of the corporation or otherwise, and to do every other act or thing necessary to effect the same.

(3) To sell or lease the real or personal property of the corporation on such terms as the board may see fit and to execute all deeds, leases and other conveyances or contracts that may be necessary for carrying out the purpose of this corporation.

Article IV.
(Officers)

Section 1. (Compensation of Directors and Officers) Directors and officers, as such, shall not receive any salary for their services but by resolution of the Board, expense incurred in the corporation's business may be reimbursed.

Section 2. (Executive Officers) The executive officers of the corporation shall be a president and a vice-president, all of whom shall be elected by and subject to the control of the Board of Directors. The Board of Directors, at each annual meeting of the Board, shall elect by a ballot a president and vice-president. One person may hold more than one office. The persons holding the office of secretary and the office of treasurer shall be non-voting ex-officio members of the Board of Directors. The office of Treasurer shall be held by the Venus City Finance Director. The City Administrator shall serve as Executive Director of the corporation to provide administrative support services for the corporation. The Executive Director shall be a non-voting ex-officio member of the board.

Section 3. (President) The president shall have such powers and perform such duties as may be delegated to him or her by the Board of Directors.

Section 4. (Vice-President) The vice-president shall have such powers and perform such duties as may be delegated to him or her by the Board of Directors. In the absence or disability of the president, the vice-president may perform the duties and exercise the powers of the president.

Section 5. (Power and Duties of the Secretary) The secretary shall keep the minutes of all meetings of the Board of Directors in books provided for that purpose; he or she shall attend to the giving and service of all notices, he or she may sign with the president, or a vice-president, in the name of the corporation, all contracts and instruments of conveyance authorized by the Board of Directors, he or she shall have charge of such other books and papers as the Board of Directors or the Executive Committee may direct, all of which shall, at all reasonable times, be open to the

examination of any director, upon application at the office of the City Secretary during business hours: and he or she shall in general perform all the duties incident to the office of secretary, subject to the control of the Board of Directors with such written records to be maintained and filed in the office of the City Secretary of the City. He or she shall submit such reports to the Board of Directors as may be requested by them.

Section 6. (Treasurer) the treasurer shall have custody of all funds and securities of the corporation which come into his or her hands; when necessary or proper he or she shall endorse on behalf of the corporation for collection, checks, notes and other obligations and shall deposit the same to the credit of the corporation in such bank or depository as the Board of Directors may designate. Whenever required by the Board of Directors he or she shall render a statement of the corporation's cash account; he or she shall enter regularly in the books of the corporation, to be kept by him or her for that purpose, a full and accurate account of the corporation; he or she shall at all reasonable times exhibit the corporation's books and accounts to any director of the corporation or any officer of the City of Venus upon application at the office of the City Secretary during business hours; he or she shall perform all acts incident to the position of treasurer, subject to the control of the Board of Directors. Such written statement and accounts to be maintained and filed in the City Hall, City of Venus. He or she shall give a bond for the faithful discharge of his or her duties in such sum, if any, as the Board of Directors may require.

Article V.
(Corporation Seal)

No corporate seal shall be required.

Article VI.
(Fiscal Year)

The fiscal year of the corporation shall begin on the first day of October and terminate on the 30th day of September in each year.

Article VII.
(Miscellaneous}

Section 1. (Notice and Waivers Thereof) Whenever under the provisions of these by-laws notice is required to be given to any director or officer, unless otherwise provided such notice may be given personally, or it may be in writing by depositing the same in the post office or letter box in a postage paid envelope or postal card addressed to such director or officer, at such address as appears on the books of the corporation, and such notice shall be deemed to be given at the time when the same shall be thus mailed. Whenever any notice whatever is required to be given by law, or by these by-laws, a waiver thereof in writing signed by the person or persons entitled to said notice, whether before or after the time stated therein, shall be deemed equivalent thereto.

Section 2. (Negotiable Instruments) All checks, drafts, notes or other obligations of the corporation shall be signed by such of the officers of the corporation or by such person or persons as may be thereunto authorized by the Board of Directors. All checks shall require the signature of two persons.

Section 3. (Resignations) Any director or officer may at any time resign. Such resignation shall be made orally or in writing, and shall take effect at the time stated or specified therein, or if no time be specified, at the time of its receipt by the president or the secretary. The acceptance of a resignation shall not be necessary to make it effective, unless expressly so provided in the written resignation.

Section 4. (Approval of the City Council) To the extent these by-laws refer to any approval or other action to be taken by the City, such approval or action shall be evidenced by a certified copy of a resolution, ordinance or motion duly adopted by the City Council.

Section 5. (Organizational Control) Other than as stated herein, the City, at its sole discretion, and at any time, may alter or change the structure, organization or activities of the corporation (including the termination of the corporation), subject to any limitation on the impairment of contracts entered into by such corporation. The foregoing interest on which is exempt from federal income taxation, remains outstanding, will maintain a beneficial interest in the corporation.

Section 6. (Purpose) The corporation is organized under the authority provided in the Texas Development Corporation Act of 1979 ("Act"), other applicable laws, and the ordinances and resolutions pertaining to the corporation of the City of Venus. The corporation's purpose is to promote and fund projects prescribed by the Act such as parks, park facilities, municipal buildings, the maintenance and operating costs of such facilities, for the promotion and expansion of manufacturing and industrial facilities and other economic development purposes; with the overall purpose to promote or support the expansion of business enterprises within the City.

Article VIII.
(Provisions Regarding By-Laws)

These by-laws shall become effective only upon the occurrence of the following events:

(1) The approval of these bylaws by the City Council of the City, which approval may be granted prior to the creation of the corporation; and
(2) The adoption of these bylaws by the Board of Directors.

(3) These bylaws may be amended at any time and from time to time either by majority vote of the directors then in office with approval of the City or by the City itself, at the sole discretion of the City Council.

(4) These bylaws shall be liberally construed to effectuate the purpose set forth herein. If any work, phrase, clause, sentence, paragraph, section or other part of these bylaws, or the application thereof to any person or circumstance, shall ever be held to be invalid or unconstitutional by any court of competent jurisdiction, the remainder of these bylaws and the application of such work, phrase, clause, sentence, paragraph, section or other part of these bylaws to any other person or circumstance shall not be affected thereby.

Article IX.
(Dissolution of Corporation)

It shall not be the purpose of this corporation to engage in carrying on propaganda or otherwise attempting to influence legislation. Upon the dissolution of the corporation after payment of all obligations of the corporation, all remaining assets of the corporation shall be transferred to the City of Venus, Texas.

(Approved by the Venus City Council on Monday, August 10, 2020).

RESOLUTION NO. 05-2023-03

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS, ADOPT THE EXPRESSPOLL, EXPRESSVOTE AND DS200 SCANNER AND TABULATOR VOTING SYSTEM; PROVIDING FOR A REPEALING CLAUSE; AND ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, the voting system by Elections System & Software is comprised of the Expresspoll, Expressvote and DS200 scanner and tabulator, and

WHEREAS, Section 123.035 of the Texas Election Code requires that use of new voting equipment must be approved by the Elections Division of the office of the Texas Secretary of State; and

WHEREAS, the City of Venus has received approval from the State of Texas for purchase of the Expresspoll, Expressvote and DS200 scanner and tabulator voting system that is certified for use in Texas as described in a letter dated August 25, 2022, which is attached hereto as EXHIBIT A; and

WHEREAS, the City of Venus Elections Department has purchased the new Expresspoll, Expressvote and DS200 scanner and tabulator voting system to be used by the city for the 2023 Elections (dates to be determined) and all subsequent elections; and

WHEREAS, pursuant to Section 123.001 (b) of the Texas Election Code, City of Venus has formally adopted said voting system; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS:

SECTION 1. The City of Venus does hereby adopt the Expresspoll, Expressvote and DS200 scanner and tabulator voting system as certified by the State of Texas.

SECTION 2. All orders, ordinances, and resolutions, or parts thereof, which are in conflict or inconsistent with any provision of this Resolution are hereby repealed to the extent of such conflict, and the provisions of this Resolution shall be and remain controlling as to the matters resolved herein.

SECTION 3. That this resolution shall take effect immediately from and after its passage, and it is duly resolved.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS, ON THIS THE 13th DAY OF MARCH 2023.

APPROVED:

_____
James L. Burgess, Mayor

ATTEST:

_____
Callie Green, City Secretary

The State of Texas

Elections Division
P.O. Box 12060
Austin, Texas 78711-2060
www.sos.state.tx.us

Phone: 512-463-5650
Fax: 512-475-2811
TTY: 7-1-1
(800) 252-VOTE (8683)

John B. Scott
Secretary of State

August 25, 2022

Callie Green – City Secretary
City of Venus
P.O. Box 380
Venus, Texas 76084

Dear Ms. Green.

We are in receipt of a copy of the proposed contract between the City of Venus and Election Systems & Software ("ES&S"), which you have submitted to the Secretary of State pursuant to Section 123.035 of the Texas Election Code.

The contract indicates the county plans to acquire ES&S's EVS 6110 which includes the ExpressVote ballot marking device and the DS200 precinct scanner. This letter will serve as confirmation from our office that this system is currently certified for use in Texas. Enclosed is a copy of the certification order that pertains to this system. We therefore officially approve the submitted contract for the purchase of these systems.

Pursuant to state law, this written approval of your voting system contract is required prior to your final execution of the contract, or it will be considered void.

If you need additional information, please contact the Elections Division toll-free at 1-800-252-2216.

Sincerely,

Keith Ingram
Director of Elections

Enclosures

KI:DVP

RESOLUTION 06-2023-03

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS, AMENDING RESOLUTION 01-2023-02 TO INCLUDE, APPOINT AN ELECTION JUDGE AND EARLY VOTING BALLOT BOARD JUDGE; AND PROVIDING AN EFFECTIVE DATE.

FOR THE GENERAL ELECTION TO BE HELD ON MAY 06, 2023

WHEREAS, on February 13, 2023, the Venus City Council passed and approved Resolution 01-2023-02 ordering a general election for the City of Venus to be held on May 6, 2023; and,

WHEREAS, pursuant to Section 32.005 of the Texas Election Code, the City Council shall appoint the election judge and other election officials for an election ordered by the City Council; and,

WHEREAS, the City Council of the City of Venus finds Resolution 01-2023-02 did not provide for the appointment of an election judge or alternate judge and early voting ballot board judge and as such, determines the appointment of an election judge, alternate judge, and early voting ballot board judge for the May 6, 2023 general election is warranted.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS:

SECTION 1. Effective May 6, 2023:

Jill Keefer shall serve as the election judge and early voting ballot board judge and Linda Hopper shall serve as the alternate judge of the May 06, 2023, General Election of the City of Venus as required and authorized by law.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF VENUS, TEXAS, ON THIS THE 13th DAY OF MARCH 2023.

APPROVED:

_____
James L. Burgess, Mayor

ATTEST:

_____
Callie Green, City Secretary

Case Report – Venus Land & Improvement Addition – Re-plat
City Council – March 13, 2023

To: City Council

From: Oscar Ortiz, CNU-A

Request: Consider a Final Plat for the re-plat of lots 1, 2 and part of lot 3, Block 24, Venus Land & Improvement Addition, being 0.60 acres out of the William H. Survey Abstract No. 379, City of Venus, Johnson County, generally located on the east side of Oak St. and south of 6th St, in the City of Venus.

Owner: Adelina Properties, LLC, Venus, TX

Surveyor: Rudy Rangel, Heath, TX

Location: Generally located on the east side of Oak St. and south of 6th St, in the City of Venus.

Setbacks: Setbacks are as follows as established and noted on Chapter 34 "Zoning", Section 34-62 Schedule of District Regulations.

Front Setback: 25 feet	Minimum Conditioned Living Building Size: 1,400 square feet
Side Setback: 8 feet	Minimum Lot Width: 70 feet
Rear Setback: 25 feet	Minimum Lot Depth: 100 feet
Corner Setback: 15 feet	Maximum Building Area (Percent) 50

Zoning: R-1 (Single-Family residential) District

Background: Venus Land & Improvement Addition Subdivision was recorded on January 1st, 1912. Volume 156, page 639 in Johnson County.

Utilities: Water and Sewer will be provided by the City of Venus. All utility improvements within the proposed lots that are not limited to water system and sewer system will be installed by the developer in accordance with Chapter 26 "Subdivision and Development."

Analysis: This is a Final Plat for the re-plat of lots 1, 2 and part of lot 3 Block 24, which proposes 2 lots averaging each approximately 13,125 sq. ft. (0.30 acres) for single-family residential lots.

The Planning and Zoning Commission recommended approval of the replat on February 23, 2023. The City Council shall determine if it is adequate to serve the development and meet the city's adopted master plans for those facilities: roads, water, wastewater, storm drainage, park facilities, open spaces, easements and rights-of-way. Further, the City Council shall review this Final plat subject to conformance with the regulations of the Subdivision Ordinance. The City Council may take the following action regarding this plat:

a. Approve the Plat as presented;
b. Approve with conditions; or
c. Deny the Plat

Any added conditions or a motion to deny must include specific references to the Subdivision or other ordinances that are not met by the plat.

Staff Recommendation:

Staff recommends that the City Council approves the Final Plat for the re-plat of lots 1, 2 and part of lot 3, Block 24, Venus Land & Improvement Addition

Sample Motion: I move to approve/deny the Final Plat for the re-plat of lots 1, 2 and part of lot 3, Block 24, Venus Land & Improvement Addition, as presented.

Attachments: Aerial Map
Zoning Map
Re-plat



Re-plat of Lots 1R & 2R


Fielder Park
1R
2R
S Oak St
E 5th St
6th St
E 7th St
S Oak St
E 7th St
S Oak St
E 8th St
N
Lots 1R & 2R
0
0.01
0.03
0.05 Miles
Esri Community Maps Contributors, Baylor University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Zoning Map

(SURVEY NOTES:)

1. DIRECTIONAL CONTROL AND COORDINATES SHOWN HEREON THIS DOCUMENT ARE BASED FROM GPS OBSERVATIONS. PER THE NORTH AMERICAN DATUM OF 1983, TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202. COORDINATES ARE ON GRID.

2. PER FEMA FLOOD INSURANCE RATE MAP NUMBER 48251C0250J AND WITH AN EFFECTIVE DATE OF DECEMBER 4, 2012, NO PART OF THE SUBJECT PROPERTY IS IN THE 100 YEAR FLOOD AND 500 YEAR FLOOD ZONES. (ZONE X - UNSHADED)

3. THE PURPOSE OF THIS REPLAT IS TO CREATE TWO NEW LOTS OF LEGAL RECORD. ALL CORNERS ARE 5664 CAPPED 1/2 INCH IRON ROD SET FOR CORNER; UNLESS NOTED ON DRAWING OTHERWISE.

(SURVEYOR'S AFFIRMATION:)

I, RUDY RANGEL, A REGISTERED PROFESSIONAL LAND SURVEYOR, LICENSED BY THE STATE OF TEXAS, AFFIRM THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, FROM RECORDED DOCUMENTATION, EVIDENCE COLLECTED ON THE GROUND DURING FIELD OPERATIONS AND OTHER RELIABLE DOCUMENTATION; AND THAT THIS PLAT SUBSTANTIALLY COMPLIES WITH THE RULES AND REGULATIONS OF THE TEXAS BOARD OF PROFESSIONAL LAND SURVEYING.

DATED THIS THE _____ DAY OF _____, 2023.

PRELIMINARY THIS DOCUMENT
IS NOT TO BE RECORDED
FOR ANY PURPOSE

_____
RUDY RANGEL
TEXAS REGISTERED PROFESSIONAL LAND SURVEYOR NO. "5664"

STATE OF TEXAS
COUNTY OF ROCKWALL

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED RUDY RANGEL, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FORGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS _____ DAY OF _____2023.

_____
NOTARY PUBLIC ROCKWALL COUNTY, TEXAS

Owner's Certificate

State of Texas
County of Johnson

Whereas Adelina Properties LLC is the owner of a tract of land situated in the W. Hill Survey, Abstract No. 379, Johnson County, and being a part of the P. K. Thomson Addition (unrecorded) and also known as the Venus Land & Improvement addition to the City of Venus, Johnson County, Texas, according to the plat thereof recorded in Drawer O, Page 73; Volume 156, Page 639, of the Plat Records of Johnson County, Texas, also being all of Lots 1, 2, and the north one-half of Lot 3 as described to said Adelina Properties LLC, as recorded in instrument numbers 2022-24478 and 2022-24491, Deed Records of Johnson County, Texas, and being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2 inch capped iron rod set for corner at the intersection of the Southeast line of 6th Street (a 60 foot right of way) and the Northeast line of Oak Street (a 60 foot right of way), also being the West corner of said Lot 1;

Thence North 65 degrees 27 minutes 14 seconds East, along the Southeast line of said 6th Street a distance of 140.00 feet to a 1/2 inch capped iron rod set for corner, being at the intersection of a Southwest line of an (alley right of way), also being the North corner of said Lot 1;

Thence South 24 degrees 32 minutes 46 seconds East, leaving the Southeast line of said 6th Street and along the Southwest line of said alley right of way, passing at 75.00 feet the common rear corner of said Lots 1 and 2, continuing along and passing at 150.00 feet the common rear corner of said Lots 2 and 3, continuing along in all a total distance of 187.50 feet to a 1/2 inch capped iron rod set for corner;

Thence South 65 degrees 27 minutes 14 seconds West, leaving the Southwest line of said alley right of way and through said Lot 3 symmetrically, a distance of 140.00 feet to a 1/2 inch capped iron rod set found for corner in the Northeast line of said Oak Street;

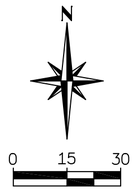
Thence North 24 degrees 32 minutes 46 seconds West, along the Northeast line of said Oak Street and passing at a distance of 37.50 feet the common front corner of said Lots 2 and 3, continuing along and passing at a distance of 112.50 feet the common front corner of said Lots 1 and 2, continuing along in all a total distance of 187.50 feet to the POINT OF BEGINNING, and containing 26,250 square feet or 0.60 acres of land.

STATE OF TEXAS
COUNTY OF JOHNSON

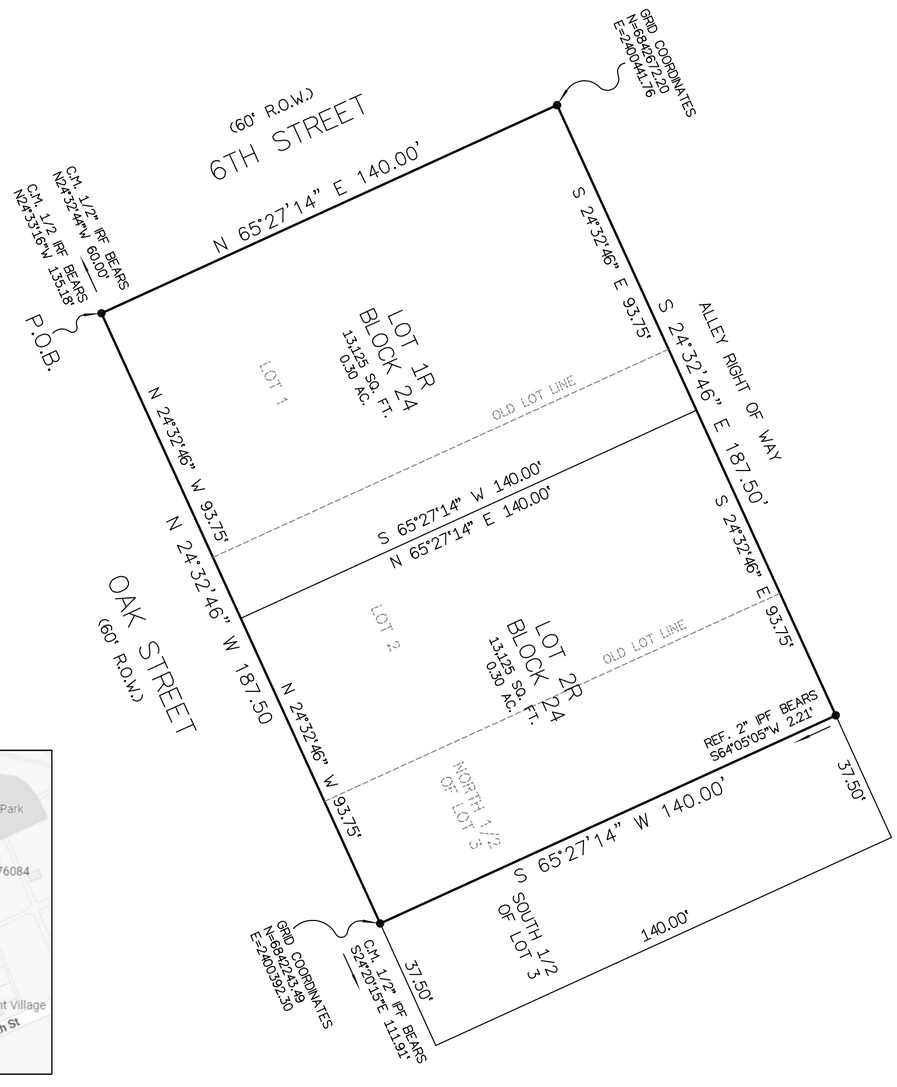
BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED _____, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FORGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE/SHE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS _____ DAY OF _____2023.

_____
NOTARY PUBLIC JOHNSON COUNTY, TEXAS



SCALE: 1"=30'



VICINITY MAP N.T.S.



(LEGEND:)

AC. = ACRES

C.M. = CONTROL MONUMENT

IPF = IRON PIPE FOUND

IRF = IRON ROD FOUND

P.O.B. = POINT OF BEGINNING

REF. = REFERENCE MONUMENT

R.O.W. = RIGHT OF WAY

SQ. FT. = SQUARE FEET

PRELIMINARY REPLAT

VENUS LAND & IMPROVEMENT ADDITION
LOTS 1R & 2R, BLOCK 24
A REPLAT OF LOTS 1, 2, & PART OF LOT 3, BLOCK 24
VENUS LAND & IMPROVEMENT ADDITION
W. HILL SURVEY, ABST. NO. 379
CITY OF VENUS, JOHNSON COUNTY, TX

(OWNER:)
ADELINA PROPERTIES LLC
P.O. BOX 149
VENUS, TX 76084

(PREPARED BY:)
RANGEL LAND SURVEYING
L.S. FIRM NO. 10077100
1012 TIMBERLINE DR.
HEATH, TX 75032
TEL: 214-325-8026

DATE OF: 01-17-2023 DRAFT BY: A.O.

SHEET 1 OF 2

(DECLARATION OF COVENANTS:)

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

THAT ADELINA PROPERTIES LLC, DOES HEREBY ADOPT THIS REPLAT DESIGNATING THE HEREIN-DESCRIBED PROPERTY AS VENUS LAND AND IMPROVEMENT ADDITION, AN ADDITION TO THE CITY OF VENUS, TEXAS, AND DO HEREBY DEDICATE TO THE PUBLIC USE FOREVER THE STREETS AND ALLEYS SHOWN THEREON. THE EASEMENTS SHOWN THEREON ARE HEREBY RESERVED FOR THE PURPOSES AS INDICATED AND SHALL BE OPEN TO FIRE, POLICE AND ALL PUBLIC AND PRIVATE UTILITIES FOR EACH USE. THE MAINTENANCE OF PAVING ON ALL EASEMENTS IS THE RESPONSIBILITY OF THE PROPERTY OWNER. NO BUILDINGS, FENCES, TREES, SHRUBS OR OTHER IMPROVEMENTS SHALL BE CONSTRUCTED, RECONSTRUCTED OR PLACED UPON, OVER OR ACROSS THE EASEMENTS AS SHOWN. SAID EASEMENTS BEING HEREBY RESERVED FOR THE MUTUAL USE AND ACCOMMODATION OF ALL PUBLIC UTILITIES USING, OR DESIRING TO USE SAME. ALL AND ANY PUBLIC UTILITY SHALL HAVE THE FULL RIGHT TO REMOVE AND KEEP REMOVED ALL OR PARTS OF ANY BUILDINGS, FENCES, TREES, SHRUBS OR OTHER IMPROVEMENTS OR GROWTHS WHICH IN ANY WAY MAY ENDANGER OR INTERFERE WITH THE CONSTRUCTION, MAINTENANCE AND EFFICIENCY OF ITS RESPECTIVE SYSTEM ON THE EASEMENTS AND ALL PUBLIC UTILITIES SHALL AT ALL TIMES HAVE THE FULL RIGHT OF INGRESS AND EGRESS TO OR FROM AND UPON SAID EASEMENTS FOR THE PURPOSE OF CONSTRUCTING, RECONSTRUCTING, INSPECTING, PATROLLING, MAINTAINING AND ADDITION TO OR REMOVING ALL OR PARTS OF ITS RESPECTIVE SYSTEM WITHOUT THE NECESSITY AT ANY TIME OF PROCURING THE PERMISSION OF ANYONE. ANY PUBLIC UTILITY SHALL HAVE THE RIGHT OF INGRESS AND EGRESS TO PRIVATE PROPERTY FOR READING METERS AND ANY MAINTENANCE AND SERVICE REQUIRED OR ORDINARILY PERFORMED BY THAT UTILITY.

ALL UTILITY EASEMENTS SHALL ALSO INCLUDE ADDITIONAL AREA OF WORKING SPACE FOR CONSTRUCTION AND MAINTENANCE OF THE PUBLIC WATER AND SANITARY SEWER SYSTEMS. ADDITIONAL EASEMENT AREA IS ALSO CONVEYED FOR INSTALLATION AND MAINTENANCE OF MANHOLES, CLEANOUTS, FIRE HYDRANTS, WATER SERVICES FROM THE MAIN TO AND INCLUDING THE METERS AND BOXES, SEWER LATERALS FROM THE MAIN TO THE CURB OR PAVEMENT LINE, AND THE DESCRIPTIONS OF SUCH ADDITIONAL EASEMENTS HEREIN GRANTED SHALL BE DETERMINED BY THEIR LOCATIONS AS INSTALLED.

THE UNDERSIGNED DOES COVENANT AND AGREE THAT THE ACCESS EASEMENT(S) DEDICATED ON THIS PLAT MAY BE UTILIZED BY ANY PERSON, INCLUDING THE PUBLIC, FOR INGRESS AND EGRESS TO OTHER REAL PROPERTY, FOR BOTH VEHICULAR AND PEDESTRIAN USE AND ACCESS, IN, ALONG, UPON AND ACROSS THE PREMISES CONTAINING THE ACCESS EASEMENT(S.)

THIS PLAT APPROVED SUBJECT TO ALL PLATTING ORDINANCES, RULES, AND REGULATIONS OF THE CITY OF VENUS, TEXAS.

WITNESS OUR HAND AT _____, TEXAS,

THIS MONTH OF _____ DAY OF _____, 2023.

_____
ADELINA PROPERTIES LLC - OWNER

(APPROVAL BY CITY OF VENUS:)

_____ DATE: _____
MAYOR

_____ DATE: _____
CITY SECRETARY

PRELIMINARY REPLAT

VENUS LAND & IMPROVEMENT ADDITION
LOTS 1R & 2R, BLOCK 24
A REPLAT OF LOTS 1, 2, & PART OF LOT 3, BLOCK 24
VENUS LAND & IMPROVEMENT ADDITION
W. HILL SURVEY, ABST. NO. 379
CITY OF VENUS, JOHNSON COUNTY, TX

(OWNER:)
ADELINA PROPERTIES LLC
P.O. BOX 149
VENUS, TX 76084

(PREPARED BY:)
RANGEL LAND SURVEYING
L.S. FIRM NO. 10077100
1012 TIMBERLINE DR.
HEATH, TX 75032
TEL: 214-325-8026

DATE OF: 01-17-2023 DRAFT BY: A.O.

RESOLUTION 07-2023-03

A RESOLUTION OF THE CITY COUNCIL OF VENUS, TEXAS AUTHORIZING CITY REPRESENTATIVES IN MATTERS PERTAINING TO THE CITY'S PARTICIPATION IN THE TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM.

WHEREAS, the City Council of the City of Venus desires to develop a viable community, including decent housing and a suitable living environment and expanding economic opportunities, principally for persons of low-to-moderate income; and

WHEREAS, it is necessary and in the best interests of the City to participate in the Texas Community Development Block Grant Program; and

WHEREAS, the City Council of Venus is committed to compliance with federal, state, and program rules, including the current TxCDBG Project Implementation Manual; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF VENUS, TEXAS:

That the City Council directs and designates the following to act in all matters in connection with any grant application and the City's participation in the Texas Community Development Block Grant Program:

- The Mayor and City Administrator shall serve as the City's Chief Executive Officer and Authorized Representative to
    - execute a grant application and any subsequent contractual documents,
    - certify environmental review documents between the Texas Department of Agriculture and the City, and
    - certify the Payment Request form and/or other forms required for requesting funds to reimburse project costs, and
    - be assigned the role of Authorized Official in the TDA-GO grant management system.

- In addition to the above designated officials, should any grant be funded the Mayor Pro-Tem and City Secretary are authorized to
    - certify the Payment Request form and/or other forms required for requesting funds to reimburse project costs,
    - prepare and submit other financial documentation, and
    - be assigned the role of Project Director or Payment Processor in the TDA-GO grant management system.

Passed and approved this ____ day of _____, 2023.

Callie Green, City Secretary
City of Venus, Texas

James L. Burgess, Mayor
City of Venus, Texas

RESOLUTION 08-2023-03

A RESOLUTION OF THE CITY COUNCIL OF VENUS, TEXAS, AUTHORIZING THE SUBMISSION OF A 2023/2024 TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM APPLICATION TO THE TEXAS DEPARTMENT OF AGRICULTURE FOR THE COMMUNITY DEVELOPMENT FUND.

WHEREAS, the City Council of the City of Venus desires to develop a viable community, including decent housing and a suitable living environment and expanding economic opportunities, principally for persons of low-to-moderate income; and

WHEREAS, it is necessary and in the best interests of the City of Venus to apply for funding under the Texas Community Development Block Grant Program;

WHEREAS, the City of Venus, in consideration for the receipt and acceptance of federal funding if awarded, agrees to comply with all federal rules and regulations including those rules and regulations governing citizen participation and civil rights protections as follows:

- in accordance with Section 109 of the Title I of the Housing and Community Development Act (24 CFR 6); the Age Discrimination Act of 1975 (42 U.S.C. 6101-6107); and Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and for construction contracts greater than $10,000, to take actions to ensure that no person or group is denied benefits such as employment, training, housing, and contracts generated by the CDBG activity, on the basis of race, color, religion, sex, national origin, age, or disability;

- in accordance with Section 3 of the Housing and Urban Development Act of 1968, as amended, and 24 CFR Part 75, to the greatest extent feasible, to provide training and employment opportunities to lower income residents and contract opportunities to businesses in the Section 3 Service Area;

- in accordance with Section 104(1) of the Housing and Community Development Act, as amended, and State's certification requirements at 24 CFR 91.325(b)(6), to adopt an excessive force policy that prohibits the use of excessive force against non-violent civil rights demonstrations;

- in accordance with Executive Order 13166, to take reasonable steps to ensure meaningful access to services in federally assisted programs and activities by persons with limited English proficiency (LEP) and must have an LEP plan in place specific to the locality and beneficiaries for each TxCDBG project;

- in accordance with Section 504 of the Rehabilitation Act of 1973, to not discriminate on the basis of disability and agrees to ensure that qualified individuals with disabilities have access to programs and activities that receive federal funds; and

- in accordance with Section 808(e)(5) of the Fair Housing Act (42 USC 3608(e)(5)) that requires HUD programs and activities be administered in a manner affirmatively to further the policies of the Fair Housing Act, to conduct at least one activity during the contract period of the TxCDBG contract, to affirmatively further fair housing; and

WHEREAS, the City of Venus, agrees to maintain written standards of conduct covering conflicts of interest and governing the actions of its employees engaged in the selection, award, and administration of contracts.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF VENUS, TEXAS,

1. That a Texas Community Development Block Grant Program application for the Community Development Fund is hereby authorized to be filed on behalf of the City with the Texas Department of Agriculture.

2. That the City's application be placed in competition for funding under the Community Development Fund.

3. That the application be for up to $500,000.00 of grant funds to provide drainage and/or street improvements.

4. That all funds will be used in accordance with all applicable federal, state, local and programmatic requirements including but not limited to procurement, environmental review, labor standards, real property acquisition, and civil rights requirements.

5. That it further be stated that the City of Venus is committing at minimum $25,000 from its General Fund as a cash contribution toward the administration, engineering, and/or construction activities of this drainage and/or street improvements project.

6. The City of Venus adopts the following policies:

    a. Citizen Participation Plan and Grievance Procedures (Form A1013);
    b. Excessive Force Policy (Form A1003);
    c. Fair Housing Policy (Form A1015);
    d. Section 504 Policy and Grievance Procedures (Form A1004); and
    e. Code of Conduct Policy (Form A1002).

7. The City of Venus affirms its commitment to conduct a project-specific analysis and take all appropriate action necessary to comply with program requirements for the following:

    f. Section 3 economic opportunity;
    g. Limited English Proficiency; and
    h. Activity to affirmatively Further Fair Housing choice.

Passed and approved this ____ day of _____, 2023.

Callie Green, City Secretary
City of Venus, Texas

James L. Burgess, Mayor
City of Venus, Texas

CITY OF VENUS
CITIZEN PARTICIPATION PLAN
TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

Note to Grant Recipients regarding Limited English Proficiency (LEP) requirements:

> In accordance with federal law, if there is a significant number of the population who are non-English speaking residents and are affected by the TxCDBG project, such citizens should have "meaningful access" to all aspects of the TxCDBG project. To provide 'meaningful access', Grant Recipients may need to provide interpreter services at public hearings or provide non-English written materials that are routinely provided in English. Examples of such vital documents include Citizen Participation notices (e.g. complaint procedures, hearing notices) civil rights notices, and any other published notice that may allow an eligible person with limited English proficiency to participate in discussing proposed CDBG activities.

For more information, see LEP.gov.

COMPLAINT PROCEDURES
These complaint procedures comply with the requirements of the Texas Department of Agriculture's Texas Community Development Block Grant (TxCDBG) Program and Local Government Requirements found in 24 CFR §570.486 (Code of Federal Regulations). Citizens can obtain a copy of these procedures at The City of Venus offices, 700 W US Highway 67, Venus, TX 76084, (972) 366-3348, during regular business hours.

Below are the formal complaint and grievance procedures regarding the services provided under the TxCDBG project.

1. A person who has a complaint or grievance about any services or activities with respect to the TxCDBG project, whether it is a proposed, ongoing, or completed TxCDBG project, may during regular business hours submit such complaint or grievance, in writing to the Mayor, at the City of Venus, 700 W US Highway 67, Venus, TX 76084, or may call (972) 366-3348.

2. A copy of the complaint or grievance shall be transmitted by the Mayor to the entity that is the subject of the complaint or grievance and to the City of Venus Attorney within five (5) working days after the date of the complaint or grievance was received.

3. The Mayor shall complete an investigation of the complaint or grievance, if practicable, and provide a timely written answer to person who made the complaint or grievance within ten (10) days.

4. If the investigation cannot be completed within ten (10) working days per 3. above, the person who made the grievance or complaint shall be notified, in writing, within fifteen (15) days where practicable after receipt of the original complaint or grievance and shall detail when the investigation should be completed.

5. If necessary, the grievance and a written copy of the subsequent investigation shall be forwarded to the TxCDBG for their further review and comment.

6. If appropriate, provide copies of grievance procedures and responses to grievances in both English and Spanish, or other appropriate language.

TECHNICAL ASSISTANCE

When requested, the City of Venus shall provide technical assistance to groups that are representative of persons of low- and moderate-income in developing proposals for the use of TxCDBG funds. The City of Venus,, based upon the specific needs of the community's residents at the time of the request, shall determine the level and type of assistance.

PUBLIC HEARING PROVISIONS

For each public hearing scheduled and conducted by the City of Venus, the following public hearing provisions shall be observed:

1. Public notice of all hearings must be published at least seventy-two (72) hours prior to the scheduled hearing. The public notice must be published in a local newspaper. Each public notice must include the date, time, location, and topics to be considered at the public hearing. A published newspaper article can also be used to meet this requirement so long as it meets all content and timing requirements. Notices should also be prominently posted in public buildings and distributed to local Public Housing Authorities and other interested community groups.

2. When a significant number of non-English speaking residents are a part of the potential service area of the TxCDBG project, vital documents such as notices should be published in the predominant language of these non-English speaking citizens.

3. Each public hearing shall be held at a time and location convenient to potential or actual beneficiaries and will include accommodation for persons with disabilities. Persons with disabilities must be able to attend the hearings and the City of Venus must make arrangements for individuals who require auxiliary aids or services if contacted at least two days prior to the hearing.

4. A public hearing held prior to the submission of a TxCDBG application must be held after 5:00 PM on a weekday or at a convenient time on a Saturday or Sunday.

5. When a significant number of non-English speaking residents can be reasonably expected to participate in a public hearing, an interpreter should be present to accommodate the needs of the non-English speaking residents.

The City of Venus shall comply with the following citizen participation requirements for the preparation and submission of an application for a TxCDBG project:

1. At a minimum, the City of Venus shall hold at least one (1) public hearing to prior to submitting the application to the Texas Department of Agriculture.

2. The City of Venus shall retain documentation of the hearing notice(s), a listing of persons attending the hearing(s), minutes of the hearing(s), and any other records concerning the proposed use of funds for three (3) years from closeout of the grant to the state. Such records shall be made available to the public in accordance with Chapter 552, Texas Government Code.

3. The public hearing shall include a discussion with citizens as outlined in the applicable TxCDBG application manual to include, but is not limited to, the development of housing and community development needs, the amount of funding available, all eligible activities under the TxCDBG program, and the use of past TxCDBG contract funds, if applicable. Citizens, with particular emphasis on persons of low- and moderate-income who are residents of slum and blight areas, shall be encouraged to submit their views and proposals regarding community development and housing needs. Citizens shall be made aware of the location where they may submit their views and proposals should they be unable to attend the public hearing.

4. When a significant number of non-English speaking residents can be reasonably expected to participate in a public hearing, an interpreter should be present to accommodate the needs of the non-English speaking residents.

The City of Venus must comply with the following citizen participation requirements in the event that the City of Venus receives funds from the TxCDBG program:

1. The City of Venus shall also hold a public hearing concerning any substantial change, as determined by TxCDBG, proposed to be made in the use of TxCDBG funds from one eligible activity to another again using the preceding notice requirements.

2. Upon completion of the TxCDBG project, the City of Venus shall hold a public hearing and review its program performance including the actual use of the TxCDBG funds.

3. When a significant number of non-English speaking residents can be reasonably expected to participate in a public hearing, for either a public hearing concerning substantial change to the TxCDBG project or for the closeout of the TxCDBG project, publish notice in both English and Spanish, or other appropriate language and provide an interpreter at the hearing to accommodate the needs of the non-English speaking residents.

4. The City of Venus shall retain documentation of the TxCDBG project, including hearing notice(s), a listing of persons attending the hearing(s), minutes of the hearing(s), and any other records concerning the actual use of funds for a period of three (3) years three (3) years from closeout of the grant to the state. Such records shall be made available to the public in accordance with Chapter 552, Texas Government Code.

_____ _____

Signature James L. Burgess, Mayor

_____

Date

LA CIUDAD DE VENUS
PLAN DE PARTICIPACIÓN CIUDADANA
PROGRAMA DE TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

Nota a los receptores de subvención en relación a requisitos de Dominio Limitado del inglés:

De acuerdo con la ley federal hay un número significativo de población que son residentes y que no hablan inglés y son afectados por el proyecto TxCDBG, estos ciudadanos deben tener "acceso significativo" a todos los aspectos del proyecto TxCDBG. Para proporcionar "acceso significativo", receptores de la subvención pueden ser utilizados para proporcionar servicios de interpretación en las audiencias públicas o proporcionar materiales no escritos en inglés que se proporcionan de manera rutinaria en inglés.

Para obtener más información, consulte LEP.gov.

PROCEDIMIENTOS DE QUEJA

Estos procedimientos de queja cumplen con los requisitos del Departamento de Programa de Agricultura de Texas Community Development Block Grant (TxCDBG) y los requisitos del gobierno local de Texas se encuentran en 24 CFR §570.486 (Código de Regulaciones Federales). Los ciudadanos pueden obtener una copia de estos procedimientos en La Ciudad de dirección postal City of Venus offices, 700 W US Highway 67, Venus, TX 76084, (972) 366-3348, en horario de oficina.

A continuación, se presentan los procedimientos formales de quejas y quejas relativas a los servicios prestados en el marco del proyecto TxCDBG.

1. Una persona que tiene una queja o reclamación sobre cualquiera de los servicios o actividades en relación con el proyecto TxCDBG, o si se trata de una propuesta, en curso o determinado proyecto TxCDBG, pueden durante las horas regulares presentar dicha queja o reclamo, por escrito a El Alcalde de la Ciudad en Venus offices, 700 W US Highway 67, Venus, TX 76084, o puede llamar a (972) 366-3348.

2. Una copia de la queja o reclamación se transmitirá por el alcalde a la entidad que es encargada de la queja o reclamación y al Abogado de La Ciudad dentro de los cinco (5) días hábiles siguientes a la fecha de la queja o día que la reclamación fue recibida.

3. El alcalde deberá cumplir una investigación de la queja o reclamación, si es posible, y dará una respuesta oportuna por escrito a la persona que hizo la denuncia o queja dentro de los diez (10) días.

4. Si la investigación no puede ser completada dentro de los diez (10) días hábiles anteriormente, la persona que hizo la queja o denuncia será notificada, por escrito, dentro de los quince (15) días cuando sea posible después de la entrega de la queja original o quejas y detallará cuando se deberá completar la investigación.

5. Si es necesario, la queja y una copia escrita de la investigación posterior se remitirán a la TxCDBG para su posterior revisión y comentarios.

6. Se proporcionará copias de los procedimientos de queja y las respuestas a las quejas, tanto en inglés y español, u otro lenguaje apropiado.

ASISTENCIA TÉCNICA

Cuando lo solicite, La Ciudad proporcionará asistencia técnica a los grupos que son representantes de las personas de bajos y moderados ingresos en el desarrollo de propuestas para el uso de los fondos TxCDBG. La Ciudad, en base a las necesidades específicas de los residentes de la comunidad en el momento de la solicitud, deberá determinar el nivel y tipo de asistencia.

DISPOSICIONES AUDIENCIA PÚBLICA

Para cada audiencia pública programada y llevada a cabo por La Ciudad, se observarán las disposiciones siguientes de audiencias públicas:

1. Aviso público de todas las audiencias deberá publicarse al menos setenta y dos (72) horas antes de la audiencia programada. El aviso público deberá publicarse en un periódico local. Cada aviso público debe incluir la fecha, hora, lugar y temas a considerar en la audiencia pública. Un artículo periodístico publicado también puede utilizarse para cumplir con este requisito, siempre y cuando cumpla con todos los requisitos de contenido y temporización. Los avisos también deben ser un lugar prominente en los edificios públicos y se distribuyen a las autoridades locales de vivienda pública y otros grupos interesados de la comunidad.

2. Cuando se tenga un número significativo de residentes que no hablan inglés serán una parte de la zona de servicio potencial del proyecto TxCDBG, documentos vitales como las comunicaciones deben ser publicados en el idioma predominante de estos ciudadanos que no hablan inglés.

3. Cada audiencia pública se llevará a cabo en un momento y lugar conveniente para los beneficiarios potenciales o reales e incluirá alojamiento para personas con discapacidad. Las personas con discapacidad deben poder asistir a las audiencias y La Ciudad debe hacer los arreglos para las personas que requieren ayudas o servicios auxiliares en caso de necesitarlo por lo menos dos días antes de la audiencia pública.

4. Una audiencia pública celebrada antes de la presentación de una solicitud TxCDBG debe hacerse después de las 5:00 pm en un día de semana o en un momento conveniente en sábado o domingo.

5. Cuando un número significativo de residentes que no hablan inglés se registra para participar en una audiencia pública, un intérprete debe estar presente para dar cabida a las necesidades de los residentes que no hablan inglés.

La Ciudad deberá cumplir con los siguientes requisitos de participación ciudadana para la elaboración y presentación de una solicitud para un proyecto TxCDBG:

1. Como mínimo, La Ciudad deberá tener por lo menos un (1) audiencia pública antes de presentar la solicitud al Departamento de Agricultura de Texas.

2. La Ciudad conservará la documentación de la convocatoria(s) audiencia, un listado de las personas que asistieron a la audiencia(s), acta de la vista(s), y cualquier otra documentación relativa a la propuesta de utilizar los fondos para tres (3) años a partir de la liquidación de la subvención para el Estado. Dichos registros se pondrán a disposición del público, de conformidad con el Capítulo 552, Código de Gobierno de Texas.

3. La audiencia pública deberá incluir una discusión con los ciudadanos como se indica en el manual correspondiente de aplicación TxCDBG, pero no se limita a, el desarrollo de las necesidades de vivienda y desarrollo comunitario, la cantidad de fondos disponibles, todas las actividades elegibles bajo el programa TxCDBG y el uso de fondos últimos contratos TxCDBG, en su caso. Los ciudadanos, con especial énfasis en las personas de bajos y moderados ingresos que son residentes de las zonas de tugurios y tizón, se fomentará a presentar sus opiniones y propuestas sobre el desarrollo de la comunidad y las necesidades de vivienda. Los ciudadanos deben ser conscientes de la ubicación en la que podrán presentar sus puntos de vista y propuestas en caso de que no pueda asistir a la audiencia pública.

4. Cuando un número significativo de residentes que no hablan inglés se registra para participar en una audiencia pública, un intérprete debe estar presente para dar cabida a las necesidades de los residentes que no hablan inglés.

La Ciudad debe cumplir con los siguientes requisitos de participación ciudadana en el caso de que La Ciudad recibe fondos del programa TxCDBG:

1. La Ciudad celebrará una audiencia pública sobre cualquier cambio sustancial, según lo determinado por TxCDBG, se propuso que se hará con el uso de fondos TxCDBG de una actividad elegible a otro utilizando de nuevo los requisitos de notificación

2. Una vez finalizado el proyecto TxCDBG, La Ciudad celebrará una audiencia pública y revisará el desempeño del programa incluyendo el uso real de los fondos TxCDBG.

3. Cuando un número significativo de residentes que no hablan inglés se puede registra para participar en una audiencia pública, ya sea para una audiencia pública sobre el cambio sustancial del proyecto TxCDBG o para la liquidación del proyecto TxCDBG, publicará un aviso en inglés y español u otro idioma apropiado y se proporcionara un intérprete en la audiencia para dar cabida a las necesidades de los residentes.

4. La Ciudad conservará la documentación del proyecto TxCDBG, incluyendo aviso de audiencia(s), un listado de las personas que asistieron a la audiencia(s), acta de la vista(s), y cualquier otro registro concerniente al uso real de los fondos por un período de a tres (3) años a partir de la liquidación del proyecto al estado.

Dichos registros se pondrán a disposición del público, de conformidad con el Capítulo 552, Código de Gobierno de Texas.

_____ `

Firma/Signature

_____

James L. Burgess, Alcalde

_____

Fecha/Date

Excessive Force Policy

In accordance with 24 CFR 91.325(b)(6), the City of Venus hereby adopts and will enforce the following policy with respect to the use of excessive force:

1. It is the policy of the City of Venus to prohibit the use of excessive force by the law enforcement agencies within its jurisdiction against any individual engaged in non-violent civil rights demonstrations;

2. It is also the policy of the City of Venus to enforce applicable State and local laws against physically barring entrance to or exit from a facility or location that is the subject of such non-violent civil rights demonstrations within its jurisdiction; and

3. The City of Venus will introduce and pass a resolution adopting this policy.

As officers and representatives of City of Venus, we the undersigned have read and fully agree to this plan, and become a party to the full implementation of this program.

_____ _____

Signature James L. Burgess, Mayor

_____

Date

Section 504 Policy Against Discrimination Based on Handicap and Grievance Procedures

In accordance with 24 CFR Section 8, Nondiscrimination based on Handicap in federally assisted programs and activities of the Department of Housing and Urban Development, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Section 109 of the Housing and Community Development Act of 1974, as amended (42 U.S.C. 5309), City of Venus hereby adopts the following policy and grievance procedures:

1. Discrimination prohibited. No otherwise qualified individual with handicaps in the United States shall, solely by reason of his or her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance from the Department of Housing and Urban Development (HUD).

2. City of Venus does not discriminate on the basis of handicap in admission or access to, or treatment or employment in, its federally assisted programs and activities.

3. City of Venus recruitment materials or publications shall include a statement of this policy in 1. above.

4. City of Venus shall take continuing steps to notify participants, beneficiaries, applicants and employees, including those with impaired vision or hearing, and unions or professional organizations holding collective bargaining or professional agreements with the recipients that it does not discriminate on the basis of handicap in violation of 24 CFR Part 8.

5. For hearing and visually impaired individuals eligible to be served or likely to be affected by the TxCDBG program, City of Venus shall ensure that they are provided with the information necessary to understand and participate in the TxCDBG program.

6. Grievances and Complaints

   a. Any person who believes she or he has been subjected to discrimination on the basis of disability may file a grievance under this procedure. It is against the law for City of Venus to retaliate against anyone who files a grievance or cooperates in the investigation of a grievance.

   b. Complaints should be addressed to the Mayor, Venus offices, 700 W US Highway 67, Venus, TX 76084, or call (972) 366-3348**,** who has been designated to coordinate Section 504 compliance efforts.

   c. A complaint should be filed in writing or verbally, contain the name and address of the person filing it, and briefly describe the alleged violation of the regulations.

   d. A complaint should be filed within thirty (30) working days after the complainant becomes aware of the alleged violation.

   e. An investigation, as may be appropriate, shall follow a filing of a complaint. The investigation will be conducted by the Mayor**.** Informal but thorough investigations will afford all interested persons and their representatives, if any, an opportunity to submit evidence relevant to a complaint.

   f. A written determination as to the validity of the complaint and description of resolution, if any, shall be issued by Mayor**,** and a copy forwarded to the complainant with fifteen (15) working days after the filing of the complaint where practicable.

g. The Section 504 coordinator shall maintain the files and records of the City of Venus relating to the complaint files.

h. The complainant can request a reconsideration of the case in instances where he or she is dissatisfied with the determination/resolution as described in f. above. The request for reconsideration should be made to the City of Venus within ten working days after the receipt of the written determination/resolution.

i. The right of a person to a prompt and equitable resolution of the complaint filed hereunder shall not be impaired by the person's pursuit of other remedies such as the filing of a Section 504 complaint with the U.S. Department of Housing and Urban Development. Utilization of this grievance procedure is not a prerequisite to the pursuit of other remedies.

j. These procedures shall be construed to protect the substantive rights of interested persons, to meet appropriate due process standards and assure that the City of Venus complies with Section 504 and HUD regulations.

_____ _____

Signature James L. Burgess, Mayor

_____

Date

Code of Conduct Policy of the City of Venus

As a Grant Recipient of a TxCDBG contract, City of Venus shall avoid, neutralize or mitigate actual or potential conflicts of interest so as to prevent an unfair competitive advantage or the existence of conflicting roles that might impair the performance of the TxCDBG contract or impact the integrity of the procurement process.

For procurement of goods and services, no employee, officer, or agent of the City of Venus shall participate in the selection, award, or administration of a contract supported by TxCDBG funds if he or she has a real or apparent conflict of interest. Such a conflict could arise if the employee, officer or agent; any member of his/her immediate family; his/her partner; or an organization which employs or is about to employ any of the parties indicated herein, has a financial or other interest in or a tangible personal benefit from a firm considered for a contract.

No officer, employee, or agent of the City of Venus shall solicit or accept gratuities, favors or anything of monetary value from contractors or firms, potential contractors or firms, or parties to sub-agreements, except where the financial interest is not substantial or the gift is an unsolicited item of nominal intrinsic value.

Contractors that develop or draft specifications, requirements, statements of work, or invitations for bids or requests for proposals must be excluded from competing for such procurements.

For all other cases, no employee, agent, consultant, officer, or elected or appointed official of the state, or of a unit of general local government, or of any designated public agencies, or subrecipients which are receiving TxCDBG funds, that has any CDBG function/responsibility, or is in a position to participate in a decision-making process or gain inside information, may obtain a financial interest or benefit from the TxCDBG activity.

The conflict-of-interest restrictions and procurement requirements identified herein shall apply to a benefitting business, utility provider, or other third-party entity that is receiving assistance, directly or indirectly, under a TxCDBG contract or award, or that is required to complete some or all work under the TxCDBG contract in order to meet the National Program Objective.

Any person or entity including any benefitting business, utility provider, or other third-party entity that is receiving assistance, directly or indirectly, under a TxCDBG contract or award, or that is required to complete some or all work under the TxCDBG contract in order to meet a National Program Objective, that might potentially receive benefits from TxCDBG awards may not participate in the selection, award, or administration of a contract supported by CDBG funding.

Any alleged violations of these standards of conduct shall be referred to the City of Venus Attorney. Where violations appear to have occurred, the offending employee, officer or agent shall be subject to disciplinary action, including but not limited to dismissal or transfer; where violations or infractions appear to be substantial in nature, the matter may be referred to the appropriate officials for criminal investigation and possible prosecution.

_____ _____

Signature James L. Burgess, Mayor

_____

Date

These procedures are intended to serve as guidelines for the procurement of supplies, equipment, construction services and professional services for the Texas Community Development Block Grant (TxCDBG) Program. The regulations related to conflict of interest and nepotism may be found at the Texas Government Code Chapter 573, Texas Local Government Code Chapter 171, Uniform Grant Management Standards by Texas Comptroller, 24 CFR 570.489(g) &(h), and 2 CFR 200.318

Fair Housing Policy

In accordance with Fair Housing Act, the City of Venus hereby adopts the following policy with respect to the Affirmatively Furthering Fair Housing:

1. City of Venus agrees to affirmatively further fair housing choice for all seven protected classes (race, color, religion, sex, disability, familial status, and national origin).

2. City of Venus agrees to plan at least one activity during the contract term to affirmatively further fair housing.

3. City of Venus will introduce and pass a resolution adopting this policy.

As officers and representatives of City of Venus, we the undersigned have read and fully agree to this plan and become a party to the full implementation of this program.

_____ _____

Signature James L. Burgess, Mayor

_____

Date

P.O. Box 1283 • Hillsboro, TX 76645
1-888-854-2905 • www.frontierwaste.com

Tanya Roberts
City Administrator
City of Venus
PO Box 380
Venus, TX 76084-0380

Date: February 24, 2023

Re: Solid Waste Price Increase

Ms. Roberts,

Per Section 10. Rate Adjustment, of the service contract between Frontier Access, LLC. and the City of Venus, I respectfully request an increase in the negotiated rates.

We are requesting an annual increase based on the difference between the CPI in January of 2022 and December 2022 (attached). The difference in the CPI is 6.10%. You can see the CPI at the following website:

- Bureau of Labor Statistics CPI South

The rate adjustment will be effective April 1, 2023. I have attached a revised rate sheet for your review.

If you have any questions or need additional information, please feel free to contact me at 254-855-6683.

Best Regards,

Sabrina Norton
Municipal Sales Manager
Frontier Waste Solutions
snorton@frontierwaste.com

CPI for All Urban Consumers (CPI-U)
Original Data Value

Series Id: CUUR0300SA0,CUUS0300SA0
Not Seasonally Adjusted
Series Title: All items in South urban, all urban consumers, not
Area: South
Item: All items
Base Period: 1982-84=100
Years: 2013 to 2023

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2013	223.933	225.874	226.628	226.202	226.289	227.148	227.548	227.837	227.876	227.420	226.811	227.082	226.721	226.012	227.429
2014	227.673	228.664	230.095	231.346	231.762	232.269	232.013	231.611	231.762	231.131	229.845	228.451	230.552	230.302	230.802
2015	226.855	227.944	229.337	229.957	230.886	232.026	231.719	231.260	230.913	230.860	230.422	229.581	230.147	229.501	230.793
2016	229.469	229.646	230.977	231.975	232.906	233.838	233.292	233.561	234.069	234.337	234.029	234.204	232.692	231.469	233.915
2017	235.492	236.052	236.154	236.728	236.774	237.346	236.942	237.892	239.649	239.067	238.861	238.512	237.456	236.424	238.487
2018	239.772	241.123	241.595	242.486	243.279	243.770	243.776	243.605	243.640	244.163	243.484	242.150	242.737	242.004	243.470
2019	242.547	243.856	245.554	246.847	246.667	246.515	247.250	246.953	246.891	247.423	247.385	247.289	246.265	245.331	247.199
2020	248.005	248.412	248.136	246.254	245.696	247.223	248.619	249.639	250.193	250.542	250.255	250.693	248.639	247.288	249.990
2021	252.067	253.386	255.319	257.207	259.343	261.668	263.013	263.728	264.593	267.160	268.360	269.263	261.259	256.498	266.020
2022	271.634	274.688	278.598	279.879	283.307	287.427	287.608	287.168	287.656	288.836	288.991	288.205	283.666	279.256	288.077
2023	290.438														

Source: Bureau of Labor Statistics

Generated on: February 16, 2023 (09:35:14 AM)

City of Venus Trash Rate Increase
Effective Date: April 1, 2023

CPI Current (12/2022)	**288.21**
CPI Former (01/2022)	**271.63**
CPI Variance	**16.58**
CPI Adjustment %	**6.10%**

6.10%

Current Handload

Residential Rate	$ 15.80
Resi Extra Cart	$ 5.68
Comm Hand Load	$ 20.51
Comm Extra Cart	$ 12.31

Proposed Handload

Residential Rate	$ 0.96	$ 16.76
Resi Extra Cart	$ 0.35	$ 6.03
Comm Hand Load	$ 1.25	$ 21.76
Comm Extra Cart	$ 0.75	$ 13.06

Current Dumpsters

	1x	2x	3x	4x	5x	6x	Extra
2 Yard	$ 63.86	$ 110.91	$ 198.28				$ 63.86
3 Yard	$ 80.67	$ 144.51	$ 257.10				$ 80.60
4 Yard	$ 97.46	$ 178.10	$ 283.99				$ 97.46
6 Yard	$ 131.06	$ 233.57	$ 322.63				$ 131.06
8 Yard	$ 164.68	$ 273.90	$ 384.81				$ 164.68

Proposed Dumpsters

	1x	2x	3x	4x	5x	6x	Extra
2 Yard	$ 67.76	$ 117.68	$ 210.38	$ -	$ -	$ -	$ 67.76
3 Yard	$ 85.59	$ 153.33	$ 272.79	$ -	$ -	$ -	$ 85.52
4 Yard	$ 103.41	$ 188.97	$ 301.32	$ -	$ -	$ -	$ 103.41
6 Yard	$ 139.06	$ 247.83	$ 342.32	$ -	$ -	$ -	$ 139.06
8 Yard	$ 174.73	$ 290.62	$ 408.30	$ -	$ -	$ -	$ 174.73

Current Roll-off

	Haul	Disposal	Rent	Delivery
20 yard	$ 133.02	$ 49.88	$ 3.32	$ 166.28
30 yard	$ 177.37	$ 49.88	$ 3.32	$ 166.28
40 yard	$ 232.79	$ 49.88	$ 3.32	$ 166.28
Sludge	$ -	$ -	$ -	$ -
Compactor	$ 415.67			

Proposed Roll-off

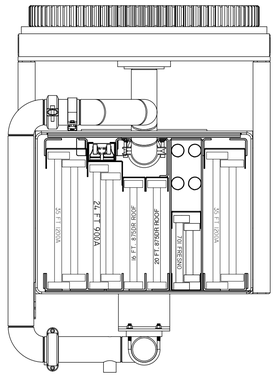
	Haul	Disposal	Rent	Delivery
20 yard	$ 141.14	$ 52.92	$ 3.52	$ 176.43
30 yard	$ 188.20	$ 52.92	$ 3.52	$ 176.43
40 yard	$ 247.00	$ 52.92	$ 3.52	$ 176.43
Sludge	$ -	$ -	$ -	$ -
Compactor	$ 441.04	$ -	$ -	$ -

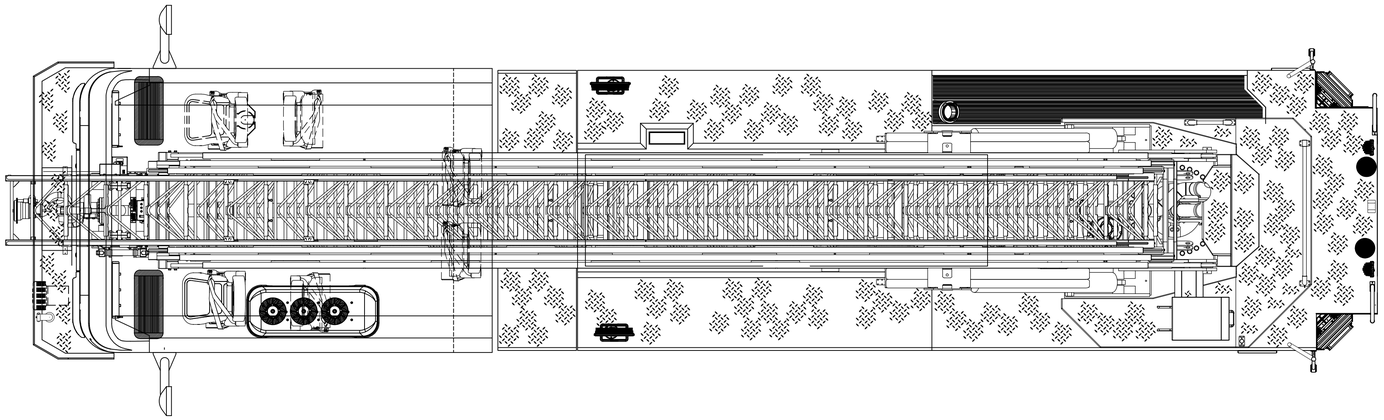
Proposal accepted for 4/1/2023 effective date

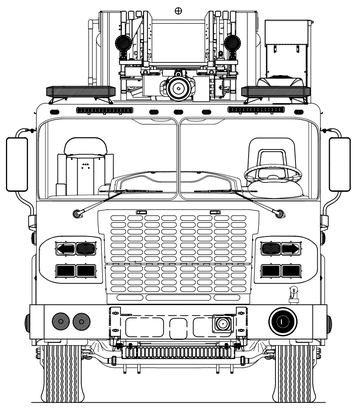
Signature

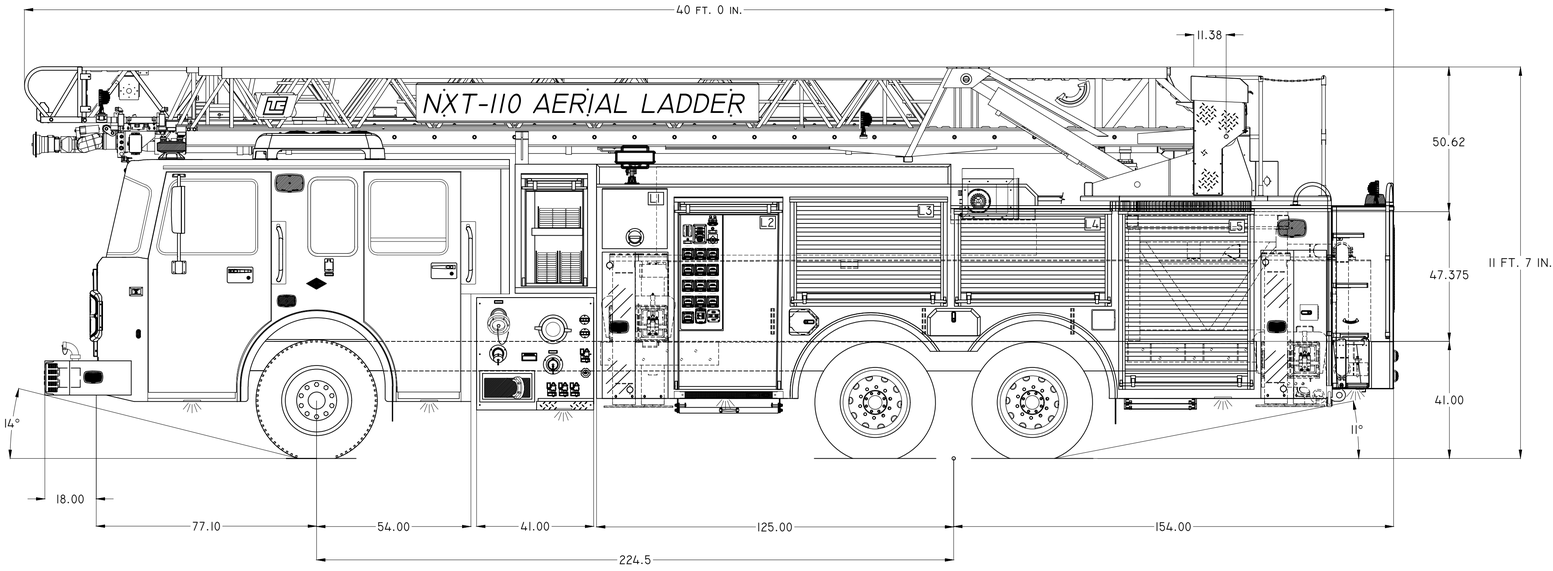
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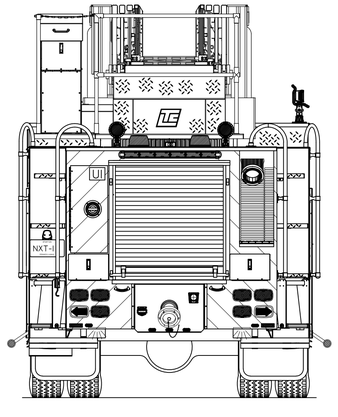
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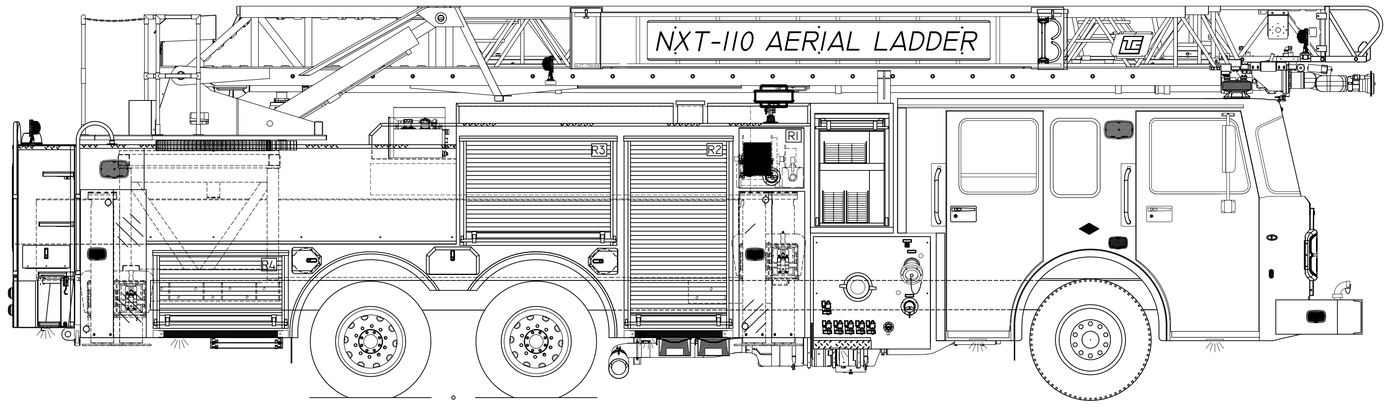












LADDER TOWER
REV GROUP

SPARTAN FIRE, LLC.
EPHRATA, PA 17522

CHASSIS:	SPARTAN GLADIATOR
ENGINE:	CUMMINS X15 565 HP
TRANSMISSION:	ALLISON 4000 EVS
AXLES:	23,000 LB. FRONT/54,000 LB. REAR
MODEL:	C34R-110 AERIAL LADDER
WATER/FOAM:	500 / 0 GALLONS
PUMP:	WATEROUS CSU 2250 GPM
GENERATOR:	10 KW HARRISON HYDRAULIC

COMPARTMENT DIMENSIONS

I.D.	DOOR OPENING	INTERIOR DIMENSIONS
L1	23.50W x 19.50H	23.63W x 21.25H x 25.25D
L2	36.50W x 67.25H	36.75W x 70.75H x 24.75D
L3	55.25W x 37.25H	55.37W x 40.50H x 24.75D
L4	55.25W x 29.00H	55.50W x 32.50H x 24.00D
L5	44.00W x 59.00H	44.25W x 59.25H x 24.00D
R1	23.50W x 19.50H	23.63W x 21.25H x 25.25D
R2	36.50W x 67.25H	36.75W x 70.75H x 24.75D
R3	55.25W x 37.25H	55.37W x 40.50H x 24.75D
R4	44.00W x 25.50H	44.25W x 30.00H x 24.00D
UI	12.25W x 28.63H	12.25W x 28.63H x 12.50D

GROUND LADDERS:
TWO DUO-SAFETY 35 FT. 1200A 2-SECTION
ONE DUO-SAFETY 24 FT. 900A 2-SECTION
ONE DUO-SAFETY 16 FT. 875DR ROOF
ONE DUO-SAFETY 20 FT 875DR ROOF
ONE DUO-SAFETY 14 FT. 701 "FRESNO"
ONE DUO-SAFETY 10 FT. 585A FOLDER
ONE DUO-SAFETY 14 FT. 775DR ROOF ON AERIAL
HOOKS:
(1) FIRE HOOKS UNLIMITED NH-12 NATIONAL HOOK
(1) FIRE HOOKS UNLIMITED NH-8 NATIONAL HOOK
(2) FIRE HOOKS UNLIMITED NH-6 NATIONAL HOOK

CUSTOMER

THIS DRAWING IS A CLOSE APPROXIMATION OF YOUR FIRE APPARATUS. IN ALL CASES WHERE THE DRAWING AND THE WRITTEN SPECIFICATION DIFFER, THE SPECIFICATION SHALL PREVAIL. PLEASE WORK WITH YOUR DEALER TO ASSURE THAT THE WRITTEN SPECIFICATION REPRESENTS WHAT YOU WANT IN YOUR FINISHED PRODUCT. SPARTAN EMERGENCY RESPONSE BUILDS TO THE WRITTEN SPECIFICATION, NOT THE DRAWING TO ASSURE THAT YOUR NEEDS ARE MET.

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPARTAN FIRE, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPARTAN EMERGENCY RESPONSE IS PROHIBITED. SPARTAN MOTORS USA, INC. D/B/A SPARTAN FIRE, LLC.

REV	DATE	DESCRIPTION	NAME
1	11/4/21	INITIAL DRAWING	WB

SCALE: NOT TO SCALE

2022 NXT AERIAL DEMO
C34R-110 750 LB. TIP LOAD AERIAL

TRUCK NUMBER:
L221143-01

3-012-0125

METRO FIRE
Apparatus Specialists, Inc.
514 Michigan / Houston, Texas 77587 / (713) 692-0911 / (713) 692-1591 fax

L221143 Spartan Stock 110' NXT RM Quint Specifications

INTENT OF SPECIFICATIONS

It shall be the intent of these specifications to provide a complete apparatus equipped as hereinafter and as specified. With a view to obtaining the best results and the most acceptable apparatus for service in the Department, these specifications cover only the general requirements as to the type of construction and tests to which the apparatus must conform, together with certain details as to finish, equipment and appliances with which the successful bidder shall conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who shall be solely responsible for the design and construction for all features. The manufacturer shall provide loose equipment only when specified by the customer. The (NFPA) 1901, Standard for Automotive Fire Apparatus, unless otherwise specified as requested by the customer in these specifications, shall prevail.

The apparatus must meet all NFPA, DOT, ICC, AE, TRA, FMVSS and local state Motor Vehicle Requirements.

It is required that the apparatus be manufactured to current NFPA edition standards, all NFPA equipment (LOOSE EQUIPMENT) not specified in the specifications will not be provided by the contractor.

Bids shall only be considered from companies that have an established reputation in the field of fire apparatus construction and aerial device construction that have been in business and construction for a minimum of twenty-five (25) years.

The bidder of the apparatus herein specified; shall be wholly owned (100%) and managed by a Company, Corporation, and/or Parent Company that is wholly based, and permanently resides in the United States of America.

The Company, Corporation, and/or Parent Company and all assets belonging to such; shall be wholly owned and managed (100%) by the entities specified above.

The bidder shall state the location of the manufacturing facility where the apparatus is to be built and the location of the parent company if a subsidiary of a manufacturer.

The bidder shall provide satisfactory evidence of their ability to construct the apparatus and aerial structures specified in the bidders manufacturing facilities.

The bidder's representation shall state the length of time representing the manufacturer of specified apparatus.

Due to the severe service requirements the department will impose on the apparatus as specified; each bidder shall provide a list of at least six (6) departments in which similar apparatus utilizing the brand of chassis proposed have been in service for over one year. This list shall include contact names and phone numbers.

The bid shall be accompanied by a set of "Contractor's Specifications" consisting of a detailed

description of the apparatus being furnished under this contract which conform. Computer runoff sheets are not acceptable as “Contractor’s Specifications”. Item compliance shall be indicated in the “Yes/No” column of each item by all Bidders. Note: Each bidder shall submit their bid in the same sequence as these specifications to allow the department to easily compare. {No Exceptions}

These specifications shall indicate size, type, model and make of all component parts and equipment. {No Exceptions}

QUALITY AND WORKMANSHIP

The design of the Apparatus shall embody the latest approved automotive engineering practices.

The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points Accessibility of the various units, which require periodic maintenance, ease of operation (including both pumping and driving) and symmetrical proportions.

Construction shall be rugged and ample safety factors shall be provided to carry loads as specified and to meet both on and off road requirements and to speed conditions as set forth under “Performance tests and requirements”.

Welding shall be employed in the assembly of the apparatus in a manner that will not prevent the ready removal of any component part for service or repair, with apparatus bodies of bolt together design not being acceptable.

All steel welding shall follow American Welding Society requirements for AWS D1.1:2012 Structural Welding Code for welding steel structural assemblies. All aluminum welding shall follow American Welding Society requirements for AWS D1.2/D1.2M:2003 Structural Welding Code for any type structure made from aluminum structural alloys. All sheet metal welding shall follow American Welding Society AWS D9.1M/D9.1:2006 Structural Welding code for Arc/Braze requirements of non-structural materials. All pressure pipe welding shall follow American Society of Mechanical Engineers ASME IX/ ASME B31:2010 requirements to the qualification of procedures in welding and brazing, in accordance with the ASME Boiler and Pressure Vessel Code and the ASME B31 Code for Pressure Piping. Flux core arc welding to use alloy rods, type 7000, American Welding Society AWS standards A5.20-E70T1. The manufacturer shall be required to have an American Welding Society certified welding inspector in plant during testing operations within working hours to monitor weld quality.

Employees classified as welders shall be tested and certified to meet American Welding Society and American Society of Mechanical Engineers welding codes.

DELIVERY

The bidder shall provide the number of calendar days from the date the bid is awarded to the delivery of the completed unit.

A qualified delivery engineer representing the contractor shall deliver the apparatus and instruct the Fire Department personnel in the proper operation, care and maintenance of the equipment delivered.

PERFORMANCE TESTS AND REQUIREMENTS

A road test shall be conducted with the apparatus fully loaded to its estimated in-service weight and shall be capable of the following performance while on dry paved roads that are in good condition and for a continuous run of ten (10) miles or more, during which time the apparatus shall show no loss of power or overheating. The transmission drive shaft or shafts and rear axles shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus. The successful bidder shall furnish a Weight Certificate showing weights on front axle, rear axles and total weight for the completed apparatus at time of delivery.

A. The apparatus shall be capable of accelerating to 35 MPH (55 km/hr.) from a standing start within 25 seconds on a level concrete highway without exceeding the maximum governed RPM of the engine.

B. The apparatus, fully loaded, shall be capable of obtaining a minimum top speed of 50 MPH (80 km/hr.) on a level dry concrete highway with the engine not exceeding its governed RPM (fully loaded).

C. The service brakes shall be capable of stopping a fully loaded vehicle in 35ft (10.7 m) at 20 mph (32.2 km/hr.) on a level concrete highway. The air brake system shall conform to Federal Motor Vehicle Safety Standards (FMVSS) 121.

D. The apparatus, when fully loaded, shall have not less than 25 percent or more than 50 percent of the weight on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle.

E. The contractor shall have the Underwriter's Laboratories, LLC conduct the tests of the apparatus as in accordance with standard practices required by the Underwriter Laboratories, LLC (Guide for the Certification of Fire Department Pumper latest edition). A copy of all tests shall accompany the Apparatus. (For apparatus sold within Canadian ULC S515 latest revision shall prevail).

F. The contractor shall furnish copies of the Manufacturer's record construction details when delivered.

INFORMATION REQUIRED

The manufacturer shall supply at time of delivery, a complete operation and maintenance manual covering the completed apparatus as delivered.

A Fire Apparatus Safety Guide published by Fire Apparatus Manufacturer's Association shall be provided with the apparatus upon delivery. This manual includes essential safety information for fire fighters, fire chiefs, apparatus mechanics, and fire department safety officers. The guide is applicable to municipal, wildland, and airport firefighting apparatus manufactured on either custom or commercial chassis.

A permanent plate shall be mounted in the driver's compartment to specify the quantity and type of the following fluids used in the vehicle: Engine oil, engine coolant, and chassis transmission fluid, pump transmission lubrication fluid, aerial device fluid,

generator fluid (if applicable), pump primer fluid (if used) and drive axle lubrication fluid and any other fluids not mentioned.

The manufacture shall supply the final certification of GVWR and GAWR on a nameplate affixed to the vehicle.

A permanent plate in the driver's compartment shall be installed, specifying the seating capacity of the enclosed cab.

Signs that state "OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION" shall be provided and will be visible from each seated position. An accident prevention sign shall be located at the rear step area of the apparatus. It shall warn all personnel that standing on the step while apparatus is in motion shall be prohibited.

When equipped with a fire pump, a nameplate indicating the chassis transmission shift selector position to be used when pumping shall be provided in the driving compartment and located so that it can be easily read from the driver's position.

LIABILITY

The bidder, if their bid is accepted, shall defend any and all suits and assume all liability for the use of any patented device or article forming part of the apparatus or any appliance provided under the contract.

GENERAL CONSTRUCTION

The apparatus shall be designed with due consideration to distribution of load between the front and rear axles, so that all specified equipment, including filled water tank, a full complement of personnel and fire hose will be carried without injury to the apparatus. Weight balance and distribution shall be in accordance with the recommendations of the (NFPA) 1901, Standard for Automotive Fire Apparatus, documentation.

The apparatus shall be designed so that all recommended daily maintenance checks can be performed easily by the operator without the need for hand tools. Apparatus components that interfere with repair or removal of other major components must be attached with fasteners (cap, screws, nuts, etc.) so that the components can be removed and installed with normal hand tools. These components must not be welded or otherwise permanently secured into place.

The GAWR and GVWR of the chassis shall be adequate to carry the fully equipped apparatus including all tanks filled, the specified hose load, unequipped personnel weight, ground ladders and a miscellaneous equipment allowance of 2,500 lbs. per NFPA 1901, Standard for Automotive Fire Apparatus criteria It shall be the responsibility of the purchaser to provide the contractor with the weight of any additional equipment and personnel to be carried and the location on the apparatus if it is in excess of the allowance as set forth by NFPA.

The unequipped personnel weight shall be calculated at 250 lbs. per person times the maximum number of persons to ride on the apparatus.

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

The front to rear weight distribution of the fully loaded vehicle shall be within the limits set by the chassis manufacturer. The front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full loads and all other loading conditions.

The difference in weight on the end of each axle, from side to side, when the vehicle is fully loaded and equipped shall not exceed 7 percent.

The apparatus shall be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

Where special tools manufactured or designed by the contractor and are required to provide routine service on any component of the apparatus built or supplied by the contractor, such tools shall be provided with the apparatus.

EXCEPTIONS TO SPECIFICATIONS

The following specifications shall be strictly adhered to. Exceptions shall be allowed if they are equal to or superior to that as specified and providing, they are listed and entirely explained on a separate page entitled "Exceptions to Specifications". The exceptions list to refer to specification page number and paragraph.

Proposals taking total exception to specifications or total exception to certain parts of the specifications such as Electrical Systems, Chassis, Body, Aerial or Pump (if applicable), will not be accepted.

Prototype units will not be acceptable. Apparatus shall be inspected upon completion for compliance with specifications.

Deviations will not be tolerated and will be cause for rejection of Apparatus unless they were originally listed in bidder’s proposal and accepted in writing by the department.

If the bidder takes an exception, on the exception page, the bidder must state an option price to bring their specifications into full compliance with the Department specifications.

Failure to provide this information shall be cause to reject the proposal as being non-responsive. {No Exceptions}

Copied or run off sheets of these specifications shall be unacceptable, and the bid will be rejected no exceptions.

PURCHASER'S RIGHTS

The Purchaser reserves the right to accept or reject any or all bids as it deemed in their best interests.

BID/PROPOSAL DRAWINGS

For purposes of evaluation, the bidder shall provide a drawing illustrating, but not limited to, the overall dimensions, wheelbase, and overall length of the proposed apparatus and other specified equipment, shall be required to be included with the bidder's proposal package.

The drawings shall be large "D" size (minimum 24.00 inches x 36.00 inches).

Smaller size drawings, "similar to" drawings or general sales drawings, shall not be acceptable.

Failure to provide a bid evaluation drawing in accordance with these specifications shall be cause for rejection of the bid proposal.

PRE-CONSTRUCTION DRAWINGS

After the award of the bid, the contractor shall provide detailed colored engineering drawings including, but not limited to, the overall dimensions, wheelbase, and overall length of the proposed apparatus for use during the pre-construction conference.

The drawings shall include, but shall not be limited to the right, left, top, front and rear views of the apparatus**.**

In addition, a detailed engineering drawing of the pump operator's panel shall be provided prior to manufacturing for fire department approval.

SINGLE SOURCE MANUFACTURER

Bids shall only be accepted from a single source apparatus manufacturer.

The definition of single source manufacturer is company that designs and manufactures their products utilizing an approach that includes complete product integration, including the apparatus chassis, cab, and body modules being constructed, assembled, and tested on company premises only.

Warranties qualified to the chassis and body design construction (excluding vender component warranties such as engine, axles, transmission, and pumps, etc.) will be from a single source manufacturer and not separated between manufacturers (i.e., body and chassis). The bidder shall provide evidence of maintaining compliance to this requirement.

TAG-ON ORDERS-COOPERATIVE PURCHASING

Other fire departments, metropolitan regions, or municipalities may purchase apparatus and equipment similar to the Apparatus and Equipment that is the subject of this Contract. The following terms shall apply to any such tag-on orders:

(a) Changes - Spartan Emergency Response's intention is to make available to others, tag-on orders utilizing the same specification as the Apparatus and Equipment that is the subject of this Contract in order to provide favorable pricing and lead-times to other buyers due to having such specification fully engineered. Spartan Emergency Response recognizes however that each additional buyer may have unique requirements that must be accommodated; and in this regard, limited changes will be permitted.

Such changes will be captured in the pre-construction meeting and the price of any tag-on unit adjusted accordingly.

(b) Term – Tag-on orders may be placed for a term of one year after the Effective Date of this Contract.

(c) Escalation - Spartan Emergency Response reserves the right to adjust the price of any tag-on order if material costs escalate during the term of this Contract, changes in regulations become effective (for example EPA, NFPA or other), or the tag-on order would cross a model year.

(d) Acceptance – Spartan Emergency Response reserves the right to accept or reject any tag-on orders under this Contract.

SUPPLIED INFORMATION & EXTRAS

The apparatus manufacturer shall supply two (2) copies of apparatus manuals with all manufactured apparatus.

The manuals shall include, but not be limited to: all component warranties, users' manuals and information for supplied products, apparatus engineering information including drawings and build prints, and whatever other pertinent information the manufacturer can supply to its customer regarding the said apparatus.

The following manuals pertaining to the aerial device shall also be included:

- Two (2): Operators' manuals.
- Two (2): Parts manuals in a CD format.
- Two (2): Electrical and Hydraulic Diagrams in a CD format.

Included in the delivery of the unit, the manufacturer shall also include spare hardware and extra fasteners, paint for touch-up, information regarding washing and care procedures, as well as other recommendations for care and upkeep of the general apparatus.

The manufacturer shall also supply a manufacturer's record of apparatus construction details, including the following information:

- Owner name and address
- Apparatus manufacturer, model, and serial number
- Chassis make, model, and serial number
- GAWR of front and rear axles
- Front tire size and total rated capacity in pounds
- Rear tire size and total rated capacity in pounds
- Chassis weight distribution in kilograms with water (if applicable) and manufacturer mounted equipment (front and rear)
- Engine make, model, serial number, rated horsepower, related speed and no load governed speed
- Type of fuel and fuel tank capacity
- Electrical system voltage and alternator output in amps
- Battery make and model, capacity in CCA
- Paint numbers
- Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall vehicle (with the water tank full (if applicable) but without personnel, equipment, and hose)
- Written load analysis and results of the electrical system performance tests

- Transmission make, model, and type
- Pump to drive through the transmission (yes or no)
- Engine to pump gear ratio and transmission gear ratio used
- Pump make and model, rated capacity in gallons per minute, serial number, and number of stages
- Pump manufacturer's certification of suction capability
- Pump manufacturer's certification of hydrostatic test
- Pump manufacturer's certification of inspection and test for the fire pump
- Copy of the apparatus manufacturer's approval for stationary pumping applications
- Pump transmission make, model and serial number
- Priming device type
- Type of pump pressure control system
- The engine manufacturer's certified brake horsepower curve for the engine furnished, showing the maximum no load governed speed
- Certification of water tank capacity
- The certification of inspection and test for the aerial device
- All the technical information required for inspections to comply with (NFPA) 1911, Standard for Automotive Fire Apparatus and Standard for Testing Fire Department Aerial Devices.

ELECTRICAL SCHEMATICS

The apparatus manufacturer shall supply one (1) set(s) of "Generic" wiring schematics with each apparatus.

WARNING AND INFORMATION LABELS

All warning and informational labels (non-vendor specific) shall be provided in compliance with (NFPA) 1901, Standard for Automotive Fire Apparatus, and installed in the appropriate locations to alert the operator of potential hazards and operating instructions.

ON-LINE CUSTOMER INTERACTION

The manufacture shall provide the capability for online access through the manufacture’s website. The customer shall be able to view digital photos of their apparatus in the specified phases of construction. The following phases will be captured and displayed on the manufacture’s website:

- Chassis when available at manufacturing facility
- Body – Prior to Paint
- Body – Painted
- Pump and Plumbing
- Assembly – 80% Complete

Due to the complex nature of fire apparatus and the importance of communication between the manufacture and customer, this line item is considered a critical requirement.

LIABILITY INSURANCE COVERAGE

In order to protect the department and its personnel, the bidder shall show proof that it has no less than $10 million in liability insurance in force. A certificate of coverage shall be included in the bid package. Failure to carry liability insurance of at least this amount or failure to include proof of coverage shall be cause to reject the bidder's proposal.

GENERAL WARRANTY

The manufacturer shall provide a two (2) year warranty from the date of delivery.

STRUCTURAL BODY WARRANTY

A structural Aluminum body warranty shall be provided by the apparatus manufacturer for products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of ten (10) years.

PAINT WARRANTY

A Prorated Paint Warranty shall be provided by the apparatus manufacturer for products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of ten (10) years.

PUMP WARRANTY

Waterous Co shall provide a limited manufacturer's pump warranty to be free from defects, under normal use and service, for a period of seven (7) years from the date placed into service.

PLUMBING WARRANTY

A Stainless Steel Plumbing/Piping warranty shall be provided by the apparatus manufacturer for products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of ten (10) years from the date of delivery.

TANK WARRANTY

A lifetime tank warranty will be provided by the tank manufacturer, UPF.

MULTI-PLEXED ELECTRICAL WARRANTY

A four (4) year limited (V-MUX) multiplex system warranty, of Weldon Technologies, Inc.; shall be provided by the apparatus manufacture for parts and labor, while under normal use and service; against mechanical, electrical and physical defects from the date of installation.

The warranty shall exclude; sensors, shunt interface modules, serial or USB kits, transceivers, cameras, GPS, and electrical display screens, which shall be limited to a period of one a (1) year repair parts and labor from the date of installation.

WARRANTY - AERIAL DEVICE

The aerial device manufacturer shall guarantee to the original purchaser to repair or replace any

defective structural component resulting from faulty material or workmanship for a period of twenty (20) years after delivery of the aerial device to the purchaser. The warranty shall cover the aerial device weldments, open base, torque box and outrigger weldments.

To ensure sole source responsibility of the aerial device, the bidder shall clearly state its intention to warrant the aerial device, open base, torque box and outrigger weldments as these integral parts and components of the aerial device.

WARRANTY - TELESCOPIC WATERWAY ASSEMBLY

The manufacturer of the aerial device shall guarantee to the purchaser to repair or replace any defective or prematurely failed Telescopic Waterway Assembly, resulting from structural defects or failures, for a period of ten (10) years after delivery of the aerial device to the purchaser.

APPARATUS TEST BY UNDERWRITERS LABORATORIES, LLC

The following Apparatus shall comply with all (NFPA) 1901, Standard for Automotive Fire Apparatus, applicable regulations in effect as of the contract signing date. There shall be multiple tests performed by the contractor and Underwriter's Laboratories, LLC when the apparatus has been completed. The manufacturer shall furnish the completed Test Certificate(s) to the purchaser at time of delivery. Since the inspection services of Underwriters Laboratories, LLC are available to all bidders on an equal basis, no other third party testing service shall be acceptable. The tests conducted on the apparatus shall include, but not be limited to:

PUMP & PLUMBING PERFORMANCE TEST

The apparatus pump and plumbing system shall be tested and certified.

12 VOLT ELECTRICAL TEST

The apparatus low voltage electrical system shall be tested and certified.

AERIAL TESTING & CERTIFICATION

General

The following Apparatus shall comply with all (NFPA) 1901, Standard for Automotive Fire Apparatus, applicable regulations in effect as of the contract signing date. There shall be multiple tests performed by the contractor and Underwriter's Laboratories, LLC when the apparatus has been completed. The manufacturer shall furnish the completed Test Certificate(s) to the purchaser at time of delivery.

The apparatus upon completion will be tested and certified by Underwriters Laboratories, LLC. The certification tests will follow the guidelines outlined in (NFPA) 1901, Standard for Automotive Fire Apparatus, "Standard for Fire Apparatus".

There shall be multiple tests performed by the contractor and Underwriter's Laboratories, LLC when the apparatus has been completed. The manufacturer shall provide the completed Test Certificate(s) to the purchaser at time of delivery. The inspection services of Underwriters Laboratories, LLC are available to all bidders on an equal basis; therefore, no third party testing service shall be acceptable.

Performance Testing

All work outlined in (NFPA) 1901, Standard for Automotive Fire Apparatus, including nondestructive testing, shall be conducted at the manufacturer's facility. In addition, the following test work, Certification Test sections of (NFPA) 1901, Standard for Automotive Fire Apparatus, shall be conducted.

1. 1-1/2:1 DYNAMIC STABILITY AND LIFT TEST - A test of the apparatus shall be performed that the aerial device sections are so designed and powered to support a load representing 150% of the manufacturer's rated tip load capacity at maximum horizontal reach on level ground. Since this is a dynamic test, the load must be raised, lowered and rotated without evidence of instability.

2. 1-1/3:1 DYNAMIC STABILITY AND LIFT TEST - A test of the apparatus shall be performed that the tip and aerial device sections are so designed and powered to support a load representing 133% of the manufacturer's rated tip load capacity at maximum horizontal reach on a five (5) degree slope. Since this is a dynamic test, the load must be raised, lowered and rotated without evidence of instability.

3. TIME TEST - A test of the apparatus shall be performed to raise the aerial device from a bedded position extended to full height and rotated through a 90 degree turn smoothly and without undue vibration in not over 120 seconds.

4. WATER TOWER TEST #1 - A test of the apparatus shall be performed to test its ability to discharge 1000 gallons per minute parallel to the aerial device with the unit at full extension and zero degree elevation. The unit shall be capable of performing this test while loaded to its rated tip load capacity.

5. WATER TOWER TEST #2 - A test of the apparatus shall be performed to test the ability to discharge 1000 gallons per minute, 90 to the aerial device while at full extension, zero degree elevation. The unit shall be capable of performing this test while loaded to its rated tip load capacity.

Bidders must state their ability to comply with all of the above tests. Failure to do so shall be grounds for rejection of their bid.

Written Examination and Test Report

A complete written Examination and Test Report for each aerial device inspection performed at the manufacturer's facility. The test report, as required by (NFPA) 1901, Standard for Automotive Fire Apparatus, shall include the following test results.

a). Torque verification of all mounting bolts including bolt size, grade, and torque specification.

b). The following NDT methods and results shall be recorded. All ferrous welds shall be magnetic particle inspected for defects. All nonferrous welds shall be visually inspected, and if questionable defects are identified, a penetrating dye shall be used to further evaluate the quality of the weld. All bolts and pins shall be ultrasonically inspected for internal flaws. A waterway pressure test shall be performed, and a hydraulic oil sample taken.

c). The following measurements shall be taken and recorded in the examination and test record: bearing clearance and backlash, elevation cylinder drift, engine speed operating rpm, relief

pressure, stabilizer extension cylinder drift, aerial device section twist, hardness readings, base rail thickness, winch drift, extension brake drift, and extension cylinder drift.

Personnel

The inspectors performing the test work on the units are certified to Level II in the required NDT methods, under the requirements outlined in ASNT document CP-189.

Aerial Apparatus Certification
When the unit successfully meets all the requirements outlined in (NFPA) 1901, Standard for Automotive Fire Apparatus, UL, LLC shall issue a Certificate of Automotive Fire Apparatus Examination and Test stating the unit's compliance with (NFPA) 1901, Standard for Automotive Fire Apparatus.

FACTORY PRE-CONSTRUCTION CONFERENCE

The factory authorized Distributor shall be required, prior to manufacturing, to have a pre-construction conference at the manufacturing facility with a factory representative present and with One (1) individual from the Spartan ER to finalize all construction details.

The factories authorized distributor shall, at his expense, provide transportation, lodging, and meals. Any distance greater than 200 miles shall be by commercial air travel.

FINAL INSPECTION CONFERENCE

The factory authorized Distributor shall be required, during manufacturing, to have a final completion inspection conference at the site of the manufacturing facility with One (1) individual from the Spartan ER to inspect the apparatus after construction.

The factories authorized distributor shall, at his expense, provide transportation, lodging, and meals. Any distance greater than 200 miles shall be by commercial air travel.

AERIAL LADDER DEVICE DEMONSTRATION - (3) CONSECUTIVE DAYS

A factory trained and authorized instructor shall provide three (3) consecutive days of on-site classes after apparatus acceptance. Topics covered in the class shall include:

- General familiarization and demonstration of aerial device
- Aerial apparatus safety including a review of all safety devices, interlocks, and operational hazards
- Positioning and locating the vehicle for safe operations
- Chassis parking brakes and engagement of hydraulic system
- Deployment of stabilization devices and use of ground pads
- Operation of elevation, extension, and rotation of the aerial device

- Operation of waterway, nozzle, and other firefighting devices of aerial device
- Operation and use of breathing air system
- Specific aerial device maintenance and service areas for operators
- Shutdown and return to service operations
- Operation of tip controls and platform controls if equipped

Classes shall consist of presentations as well as hands-on demonstration.

PUMP & APPARATUS FAMILIARIZATION

The familiarization course shall cover the operation and preventative maintenance of all components of the apparatus called for in the specifications, specifically covering nomenclature of components, proper operation of the apparatus, daily operational maintenance checks, and other information necessary for a firefighter/driver/engineer to properly operate and maintain the apparatus.

It is intended that this familiarization is organized in such a manner that both the mechanics and fire personnel receive the full benefit of the structured training. The firefighter/operator familiarization shall be conducted within one week after the vehicle is fully accepted and readied for service by the "Purchaser" or at a time mutually agreed upon by the "Purchaser" and "Supplier".

MAXIMUM OVERALL LENGTH REQUIREMENT

The apparatus specified shall be constructed as detailed and shall NOT exceed a maximum overall length of 40' 0".

MAXIMUM OVERALL HEIGHT REQUIREMENT

The apparatus specified shall be constructed as detailed and shall NOT exceed a maximum overall height of 11' 7".

MAXIMUM OVERALL WIDTH

The apparatus specified shall be constructed as detailed and shall NOT exceed a Maximum Overall Width of One Hundred (100") inches.

This dimension shall include the primary construction of the apparatus body and chassis cab. Any peripheral items shall not be incorporated into this measurement.

The items included, but not limited to, are: Rub Rails, Fenderettes, Mirrors, Lights, Handrails, Front Bumpers, Cab Steps, Overlays, Etc.

MAXIMUM WHEELBASE REQUIREMENT

The apparatus specified shall be constructed as detailed and shall NOT exceed a maximum

wheelbase of 224.5 inches.

CHASSIS REQUIRED LABELING

Signs that state "Occupants must be seated and belted when apparatus is in motion" shall be provided. They shall be visible from each seating position.

There shall be a lubrication plate mounted inside the cab listing the type and grade of lubrication used in the following areas on the apparatus and chassis:

- Engine oil
- Engine Coolant
- Transmission Fluid
- Tire Pressures
- Pump Transmission Lubrication Fluid
- Drive Axle Lubrication Fluid
- Generator Lubrication Fluid (where applicable)

MODEL

The chassis shall be a Gladiator model. The cab and chassis shall include design considerations for multiple emergency vehicle applications, rapid transit and maneuverability. The chassis shall be manufactured for heavy duty service with the strength and capacity to support a fully laden apparatus, one hundred (100) percent of the time.

MODEL YEAR

The chassis shall have a vehicle identification number that reflects a 2023 model year.

COUNTRY OF SERVICE

The chassis shall be put in service in the country of United States of America (USA).

The chassis will meet applicable U.S.A. federal motor vehicle safety standards per CFR Title 49 Chapter V Part 571 as clarified in the incomplete vehicle book per CFR Title 49 Chapter V Part 568 Section 4 which accompanies each chassis. The chassis manufacturer is not responsible for compliance to state, regional, or local regulations. Dealers should identify those regulations and order any necessary optional equipment from the chassis manufacturer, or their OEM needed to be in compliance with those regulations.

CAB AND CHASSIS LABELING LANGUAGE

The cab and chassis shall include the applicable caution, warning, and safety notice labels with text to be written in English. All applicable caution, warning, and safety notice labels shall be Innovative Controls brand. Where applicable to the location within the specific layout and label package of the cab and chassis, the labels shall include decorative chrome bezels. Designs shall include bezels that fit individual labels or packaged configurations of labels in certain common locations.

The following labels shall be Innovative Controls brand, each including a decorative chrome bezel (where applicable):

- Shoreline

- Aerial Stowed
- Aerial Breakers 2
- Air Conditioner
- Cab Tilt Plate
- Air Compressor Breaker
- Battery Conditioner Breaker
- Helmet Caution
- Horn Tag
- Q2B Tag
- Load Center Plate
- Not a Step Label
- Occupancy Tag
- Do Not Move
- Occupants Must Be Seated
- Do Not Stand
- Danger Do Not Weld
- Danger--Untrained Operator
- DEF Fill Access (Including Additional 2907 Optional Labels)
- Battery Direct
- Kneeling
- IFS Air Fault
- Engine Brake
- Retarder
- LR 100 Amp Node
- 300 Amp EPU
- 100 Amp Front O/R Node
- 100 Amp T/T Node
- 100 Amp RR O/R Node
- 10 Amp EPU
- Master Power

- 12 Volt Power
- Aerial Hours
- Pump In Drive
- Windshield Washer Fluid

APPARATUS TYPE

The apparatus shall be a Quint vehicle designed for emergency service use. The apparatus shall include a permanently mounted fire pump which has a minimum rated capacity of 750 gallons per minute (3000 L/min), a water tank, a hose storage area, a compliment of ground ladders, and an aerial ladder or elevating platform with a permanently mounted waterway that shall be rear mounted thus providing the following vehicle benefits:

- Improved mobility vs. mid-ship mounted units, due to shorter overall travel length and wheelbase.

- Increased compartment space, hose load, and water capacity in the body, resulting from ladder being raised to clear the cab.

- Shorter vehicle wheelbase.

- Shorter overall length of vehicle.

REAR MOUNT AERIAL DEVICE TYPE

Chassis provisions shall be provided for a 110.00 feet high vertical reach rear mount ladder to the integration parameters of Ladder Tower Company.

AERIAL HYDRAULIC GENERATOR

Chassis shall include aerial provisions for a chassis PTO driven hydraulic pump piggy-backed for aerial device hydraulics and 120VAC hydraulic generator.

VEHICLE TYPE

The chassis shall be manufactured for use as a straight truck type vehicle and designed for the installation of a permanently mounted apparatus behind the cab. The apparatus of the vehicle shall be supplied and installed by the apparatus manufacturer.

VEHICLE ANGLE OF APPROACH PACKAGE

The angle of approach of the apparatus shall be a minimum of 8.00 degrees.

NFPA1901 Angle of Approach definition:
"To determine the angle of approach, place a thin steel strip against the front of the tires where they touch the ground or stretch a tight string from one front tire to the other at the front where they touch the ground. Determine the lowest point (component or equipment) on the vehicle forward of the front tire that would make the smallest angle of approach. Hang a plumb bob from the lowest point and mark the point on the ground where the point of the plumb bob touches. Measure the vertical distance from the ground to the point where the plumb bob was hung (distance *V*). Measure the horizontal distance from the plumb bob point to the steel strip or string running from front tire to front tire (distance *H*). Divide the vertical distance by the horizontal distance. The ratio of *V/H* is the tangent of the angle of approach. If the ratio is known, the angle of approach can be determined from a table of trigonometric functions of angles or from a math calculator. The standard requires a minimum angle of approach of 8.00 degrees: since the tangent of 8.00 degrees is 0.1405, if *V* divided by *H* is 0.1405 or larger, the angle of approach is 8.00 degrees or greater."

AXLE CONFIGURATION

The chassis shall feature a 6 x 4 axle configuration consisting of a tandem rear drive axle set with a single front steer axle.

GROSS AXLE WEIGHT RATINGS FRONT

The front gross axle weight rating (GAWR) of the chassis shall be 23,000 pounds.

This front gross axle weight rating shall be adequate to carry the weight of the completed apparatus including all equipment and personnel.

GROSS AXLE WEIGHT RATINGS REAR

The rear gross axle weight rating (GAWR) of the chassis shall be 54,000 pounds.

This rear gross axle weight rating shall be adequate to carry the weight of the completed apparatus including all equipment and personnel.

PUMP PROVISION

The chassis shall include provisions to mount a drive line pump in the middle of the chassis, behind the cab, more commonly known as the midship location. Chassis driveline pump provisions shall include an interlock feature for automatic setting of the park brake when the vehicle is shifted into pump mode while the transmission is in neutral, and the transmission output speed translates to less than 1 mph. When the conditions are met the driver side parking brake valve shall activate. Once shifted to road mode the condition for electric automatic brake engagement is no longer present and the driver's parking brake control valve shall function normally.

WATER & FOAM TANK CAPACITY

The chassis shall include a carrying capacity of up to 750 gallons (2839 liters). The water and/or foam tank(s) shall be supplied and installed by the apparatus manufacturer.

CAB STYLE

The cab shall be a custom, fully enclosed, MFD model with a flat roof over the driver, officer, and crew area, designed and built specifically for use as an emergency response vehicle by a company specializing in cab and chassis design for all emergency response applications. The cab shall be designed for heavy-duty service utilizing superior strength and capacity for the application of protecting the occupants of the vehicle. This style of cab shall offer up to eight (8) seating positions.

The cab shall incorporate a fully enclosed design with side wall roof supports, allowing for a spacious cab area with no partition between the front and rear sections of the cab. To provide a superior finish by reducing welds that fatigue cab metal; the roof, the rear wall and side wall panels shall be assembled using a combination of welds and proven industrial adhesives designed specifically for aluminum fabrication for construction.

The cab shall be constructed using multiple aluminum extrusions in conjunction with aluminum plate, which shall provide proven strength and the truest, flattest body surfaces ensuring less expensive paint repairs if needed. All aluminum welding shall be completed to the American Welding Society and ANSI D1.2-96 requirements for structural welding of aluminum.

All interior and exterior seams shall be sealed for optimum noise reduction and to provide the most favorable efficiency for heating and cooling retention.

The cab shall be constructed of 5052-H32 corrosion resistant aluminum plate. The cab shall incorporate tongue and groove fitted 6061-T6 0.13 & 0.19 inch thick aluminum extrusions for extreme duty situations. A single formed, one (1) piece extrusion shall be used for the “A” pillar, adding strength and rigidity to the cab as well as additional roll-over protection. The cab side walls and roof skin shall be 0.13 inch thick; the rear wall skin shall be 0.09 inch thick; the front cab structure shall be 0.19 inch thick.

The exterior width of the cab shall be 99.40 inches wide with a minimum interior width of 91.00 inches. The overall cab length shall be 131.10 inches with 54.00 inches from the centerline of the front of the axle to the back of the cab.

The cab interior shall be designed to afford the maximum usable interior space and attention to ergonomics with hip and legroom while seated which exceeds industry standards. The crew cab floor shall be flat across the entire walking area for ease of movement inside the cab.

The cab shall offer an interior height of 57.50 inches from the front floor to the headliner in the non-raised roof area and a rear floor to headliner height of 55.00 inches at a minimum. The cab shall offer an interior measurement at the floor level from the rear of the engine tunnel to the rear wall of the cab of 49.88 inches. All interior measurements shall include the area within the interior trimmed surfaces and not to any unfinished surface.

The cab shall include a driver and officer area with two (2) cab doors large enough for personnel in full firefighting gear. The front doors shall offer a clear opening of 40.25 inches wide X 53.50 inches high, from the cab floor to the top of the door opening. The cab shall also include a crew area with up to two (2) cab doors, also large enough for personnel in full firefighting gear. The rear doors shall offer a clear opening of 32.25 inches wide X 51.00 inches high, from the cab floor to the top of the door opening.

The cab shall incorporate a progressive two (2) step configuration from the ground to the cab floor at each door opening. The progressive steps are vertically staggered and extend the full width of each step well allowing personnel in full firefighting gear to enter and exit the cab easily and safely.

The first step for the driver and officer area shall measure approximately 11.50 inches deep X 31.13 inches wide. The intermediate step shall measure approximately 8.50 inches deep X 32.50 inches wide. The height from the first step to the intermediate step and the intermediate step to the cab floor shall not exceed 11.00 inches.

The first step for the crew area shall measure approximately 11.50 inches deep X 20.44 inches wide. The intermediate step shall measure approximately 10.25 inches deep X 22.75 inches wide. The height from the first step to the intermediate step and the intermediate step to the cab floor shall not exceed 12.80 inches.

CAB FRONT FASCIA

The front cab fascia shall be constructed of 5052-H32 Marine Grade, 0.13 of an inch thick aluminum plate which shall be an integral part of the cab.

The cab fascia will encompass the entire front of the aluminum cab structure from the bottom of the windshield to the bottom of the cab and shall be the “Classic” design.

The front cab fascia shall include two (2) molded plastic modules on each side accommodating a total of up to four (4) Hi/Low beam headlights and two (2) turn signal lights or up to four (4) warning lights. A chrome plated molded plastic bezel shall be provided on each side around each set of four lamps.

FRONT GRILLE

The front cab fascia shall include a classic box style, 304 stainless steel front grille. The grille shall measure 55.45 wide X 33.50 inches high X 1.50 inches deep. The upper portion of the grille shall be hinged to provide service access behind the grille. The grille shall include a minimum free air intake of 750.00 square inches.

CAB UNDERCOAT

There shall be a rubberized undercoating applied to the underside of the cab that provides abrasion protection, sound deadening and corrosion protection.

CAB SIDE DRIP RAIL

There shall be a drip rail along the top radius of each cab side. The drip rails shall help prevent water from the cab roof running down the cab side.

CAB PAINT EXTERIOR

The cab shall be painted prior to the installation of glass accessories and all other cab trim to ensure complete paint coverage and the maximum in corrosion protection of all metal surfaces.

All metal surfaces on the entire cab shall be ground by disc to remove any surface oxidation or surface debris which may hinder the paint adhesion. Once the surface is machine ground a high

quality acid etching of base primer shall be applied. Upon the application of body fillers and their preparation, the cab shall be primed with a coating designed for corrosion resistance and surface paint adhesion. The maximum thickness of the primer coat shall be 2.00 mils.

The entire cab shall then be coated with an intermediate solid or epoxy surfacing agent that is designed to fill any minor surface defects, provide an adhesive bond between the primer and the paint and improve the color and gloss retention of the color.

The finish to this procedure shall be a sanding of the cab with 360 grit paper followed by sealing the seams with SEM brand seam sealer.

The cab shall then be painted the specific color designated by the customer with an acrylic urethane type system designed to retain color and resist acid rain and most atmospheric chemicals found on the fire ground or emergency scene. The paint shall have a minimum thickness of 2.00 mils, followed by a clear top coat not to exceed 2.00 mils. The entire cab shall then be baked at 180 degrees for one (1) hour to speed the curing process of the coatings.

CAB PAINT MANUFACTURER

The cab shall be painted with Sikkens paint.

CAB PAINT PRIMARY/LOWER COLOR

The lower paint color shall be Sikkens FLNA 32525 Red.

CAB PAINT SECONDARY/UPPER COLOR

The secondary/upper paint color shall be Sikkens FLNA 96920 Metallic Gray.

CAB PAINT EXTERIOR BREAKLINE

The upper and lower paint shall meet at a breakline on the cab which shall be located approximately 1.00 inch below the door windows on each side of the cab. The breakline shall curve down at the front cab corners to approximately 5.00 inches below the windshields on the front of the cab.

CAB PAINT PINSTRIPE

Where the upper and lower paint colors meet a temporary 0.50 inch wide black pinstripe shall be applied over this break line to offer a more finished look prior to the final pinstripe being installed by the OEM.

CAB PAINT WARRANTY

Purchaser shall receive a Paint and Finish (Exterior Clear coated) Ten (10) Years limited warranty in accordance with, and subject to, warranty certificate RFW0710.

The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

CAB PAINT INTERIOR

The visible interior cab structure surfaces shall be painted with a multi-tone onyx black texture finish.

CAB ENTRY DOORS

The cab shall include four (4) entry doors, two (2) front doors and two (2) crew doors designed for ease of entering and egress when outfitted with an SCBA. The doors shall be constructed of extruded aluminum with a nominal thickness of 0.13 inch. The exterior skins shall be constructed of 0.13 inch aluminum plate.

The doors shall include a double rolled style automotive rubber seal around the perimeter of each door frame and door edge which ensures a weather tight fit.

All door hinges shall be hidden within flush mounted cab doors for a pleasing smooth appearance and perfect fit along each side of the cab. Each door hinge shall be piano style with a 0.38 inch pin and shall be constructed of stainless steel.

CAB ENTRY DOOR TYPE

All cab entry doors shall be full length in design to fully enclose the lower cab steps. Entry doors shall include Pollak mechanical plunger style switches for electrical component activation.

CAB INSULATION

The cab ceiling and walls shall include a nonwoven polyester fiber insulation. The insulation shall act as a barrier absorbing noise as well as assisting in sustaining the desired climate within the cab interior.

REAR CAB ROOF MODIFICATION

The cab shall include a rear wall extension. The cab extension shall extend 13.50 inches out from the back wall of the cab.

The cab extension shall measure 47.25 inches down from the raised cab roof. The lower interior flat surface of the entire cab extension shall be 12.00 inches above the cab floor.

The rear wall extension weight limit shall be 1500 pounds.

CAB STRUCTURAL WARRANTY

Purchaser shall receive a Cab Structure (Aluminum) Ten (10) Years or 100,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0602. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

CAB TEST INFORMATION

The cab shall have successfully completed the preload side impact, static roof load application and frontal impact without encroachment to the occupant survival space when tested in

accordance with Section 4 of SAE J2420 COE Frontal Strength Evaluation Dynamic Loading Heavy Trucks, Section 5 of SAE J2422 Cab Roof Strength Evaluation Quasi –Static Loading Heavy Trucks and ECE R29 Uniform Provisions Concerning the Approval of Vehicles with regard to the Protection of the Occupants of the Cab of a Commercial Vehicles Annex 3 Paragraph 5.

The above tests have been witnessed by and attested to by an independent third party. The test results were recorded using cameras, high speed imagers, accelerometers and strain gauges. Documentation of the testing shall be provided upon request.

ELECTRICAL SYSTEM

The chassis shall include a single starting electrical system which shall include a 12 volt direct current multiplexing system, suppressed per SAE J551. The wiring shall be appropriate gauge cross link with 311 degree Fahrenheit insulation. All SAE wires in the chassis shall be color coded and shall include the circuit number and function where possible. The wiring shall be protected by 275 degree Fahrenheit minimum high temperature flame retardant loom. All nodes and sealed Deutsch connectors shall be waterproof.

OEM WIRING

A custom wiring interface and harness shall be provided and designed to meet the requirements provided by the apparatus manufacturer. This shall include the following circuits/features:

- Remote engine start circuit shall be provided to activate the engine starter solenoid from the aerial apparatus and shall utilize existing cab starter interlocks. The input for starter activation shall be provided and programmed by the apparatus manufacturer through the Weldon V-mux system.

- Remote engine stop circuit shall be provided to shut down the chassis engine from the aerial apparatus. The input for chassis engine shutdown shall be provided and programmed by the apparatus manufacturer through the Weldon V-mux system.

- Additional master power circuit located at apparatus manufacturer chassis interface connector at least 12 gauge in size and capable of supplying 20 amps.

- Additional communication connection for Weldon V-Mux multiplex system shall be provided and located near the apparatus manufacturer chassis interface connector.

- Aerial PTO override SPST guarded toggle switch located in the driver's diagnostic panel and labeled "Aerial PTO Override". When activated, the switch will override standard PTO interlocks and supply direct power to the aerial PTO solenoid for emergency activation.

The custom chassis harness shall also include additional inputs/outputs for Pump Engaged, Marker Lights, Neutral, Park Brake, Aerial Warning Lights, PTO Request, PTO Enable (input), PTO Enable (output), Open Door Beacon, and High Idle.

APPARATUS WIRING PROVISION

An apparatus wiring panel shall be installed in the center dash area behind the rocker switch panel which shall include eight (8) open circuits consisting of three (3) 20 amp, one (1) 30 amp,

three (3) 10 amp, and one (1) 15 amp circuit, with relays and breakers with trigger wires which shall be routed to the rocker switch panel.

MULTIPLEX DISPLAY

The multiplex electrical system shall include (2) Weldon Vista IV displays which shall be located one (1) on the right side of the dash in the switch panel and one (1) on the left side of the dash in the switch panel. The Vista IV displays shall feature full color LCD display screens which include a message bar displaying the time of day and important messages requiring acknowledgement by the user which shall all be displayed on the top of the screen in the order they are received. There shall be eight (8) push button virtual controls, four (4) on each side of the display for the on-board diagnostics. The display screens shall be video ready for back-up cameras, thermal cameras, and DVD.

The Vista IV displays shall offer varying fonts and background colors. The displays shall be fully programmable to the needs of the customer and shall offer virtually infinite flexibility for screen configuration options.

MULTIPLEX DISPLAY SPECIAL LAYOUT

The Vista display and control screen shall be configured specifically for a virtual button on the control screen to override the park brake interlocked deactivation of the wiper system. This will reset when the park brake is cycled.

LOAD MANAGEMENT SYSTEM

The apparatus load management shall be performed by the included multiplex system. The multiplex system shall also feature the priority of sequences and shall shed electrical loads based on the priority list specifically programmed.

DATA RECORDING SYSTEM

The chassis shall have a Weldon Vehicle Data Recorder (VDR) system installed. The system shall be designed to meet NFPA 1901 and shall be integrated with the Weldon Multiplex electrical system. The following information shall be recorded:

- Vehicle Speed
- Acceleration
- Deceleration
- Engine Speed
- Engine Throttle Position
- ABS Event
- Seat Occupied Status
- Seat Belt Status
- Master Optical Warning Device Switch Position

- Time
- Date

Each portion of the data shall be recorded at the specified intervals and stored for the specified length of time to meet NFPA 1901 guidelines and shall be retrievable by connecting a laptop computer to the VDR system. The laptop connection shall be a panel mounted female type B USB connection point, remotely mounted in the left side foot well.

ACCESSORY POWER

The electrical distribution panel shall include two (2) power studs. The studs shall be size #10 and each of the power studs shall be circuit protected with a fuse of the specified amperage. One (1) power stud shall be capable of carrying up to a 40 amp battery direct load. One (1) power stud shall be capable of carrying up to a 15 amp ignition switched load. The two (2) power studs shall share one (1) #10 ground stud. A 225 amp battery direct power and ground stud shall be provided and installed on the chassis near the left hand battery box for OEM body connections.

AUXILIARY ACCESSORY POWER

An auxiliary set of power and ground studs with supporting battery cables shall be provided at the apparatus interface location on the chassis transmission cross member location and labeled “Aerial EPU”. The studs and battery cables shall be capable of supplying 600 amps and be wired battery direct.

ADDITIONAL ACCESSORY POWER

An additional six (6) position Blue Sea Systems 5025 blade type fuse panel shall be installed on the side wall of the engine tunnel behind the officer's seat. The fuse panel shall be protected by a 40 amp fuse. The panel shall be capable of carrying up to a maximum 40 amp battery direct load.

EXTRA ACCESSORY POWER

An extra six (6) position Blue Sea Systems 5025 blade type fuse panel shall be installed behind the switch panel. The fuse panel shall be protected by a 40 amp fuse located behind the switch panel. The panel shall be capable of carrying up to a maximum 40 amp battery direct load.

EXTERIOR ELECTRICAL TERMINAL COATING

All terminals exposed to the elements will be sprayed with a high visibility protective rubberized coating to prevent corrosion.

ELECTRICAL SYSTEM WARRANTY

Purchaser shall receive an Electrical System Two (2) Years or 36,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0202. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

ENGINE

The chassis engine shall be a Cummins X15 engine. The X15 engine shall be an in-line six (6) cylinder, four cycle diesel powered engine. The engine shall offer a rating of 565 horsepower at 1800 RPM and shall be governed at 2100 RPM.

The torque rating shall feature 1850 foot pounds of torque at 1000 RPM with 912 cubic inches (14.9 liter) of displacement.

The X15 engine shall feature a VGT™ Turbocharger, a high pressure common rail fuel system, fully integrated electronic controls with an electronic governor, and shall be EPA certified to meet the 2021 emissions standards using cooled exhaust gas recirculation and selective catalytic reduction technology.

The engine shall include an engine mounted combination full flow/by-pass oil filter with replaceable spin on cartridge for use with the engine lubrication system. The engine shall include Citgo brand Citgard 500, or equivalent 15W40 CK-4 low ash engine oil which shall be utilized for proper engine lubrication.

A wiring harness shall be supplied ending at the back of the cab. The harness shall include a connector which shall allow an optional harness for the pump panel. The included circuits shall be provided for a tachometer, oil pressure, engine temperature, hand throttle, high idle and a PSG system. A circuit for J1939 data link shall also be provided at the back of the cab.

CAB ENGINE TUNNEL

The cab interior shall include an integrated engine tunnel constructed of 5052-H32 Marine Grade 0.19 of an inch thick aluminum alloy plate. The tunnel shall be a maximum of 46.50 inches wide X 29.00 inches high.

DIESEL PARTICULATE FILTER CONTROLS

There shall be two (2) controls for the diesel particulate filter. One (1) control shall be for regeneration and one (1) control shall be for regeneration inhibit. The controls shall be located on the digital dash display.

ENGINE PROGRAMMING HIGH IDLE SPEED

The engine high idle control shall maintain the engine idle at approximately 1250 RPM when engaged.

ENGINE HIGH IDLE CONTROL

The vehicle shall be equipped with a virtual Vista button and an automatic high-idle speed control. It shall be pre-set so when activated, it will operate the engine at the appropriate RPM to increase alternator output. This device shall operate only when the engine is running, and the transmission is in neutral with the parking brake set. The device shall disengage when the operator depresses the brake pedal, or the transmission is placed in gear, and shall be available to manually or automatically re-engage when the brake is released, or when the transmission is placed in neutral. There shall be an indicator on the Vista display and control screen for the high idle speed control.

ENGINE PROGRAMMING ROAD SPEED GOVERNOR

The engine shall include programming which will govern the top speed of the vehicle.

AUXILIARY ENGINE BRAKE

A compression brake, for the six (6) cylinder engine shall be provided. A cutout relay shall be installed to disable the compression brake when in pump mode or when an ABS event occurs. The engine compression brake shall activate upon 0% accelerator when in operation mode and actuate the vehicle's brake lights.

The engine shall utilize a variable geometry turbo (VGT) as an integrated auxiliary engine brake to offer a variable rate of exhaust flow, which when activated in conjunction with the compression brake shall enhance the engine's compression braking capabilities.

AUXILIARY ENGINE BRAKE CONTROL

An engine compression brake control device shall be included. The electronic control device shall monitor various conditions and shall activate the engine brake only if all of the following conditions are simultaneously detected:

- A valid gear ratio is detected.
- The driver has requested or enabled engine compression brake operation.
- The throttle is at a minimum engine speed position.
- The electronic controller is not presently attempting to execute an electronically controlled final drive gear shift.

The system shall be activated by an on/off switch and a low/high selector switch.

ELECTRONIC ENGINE OIL LEVEL INDICATOR

The engine oil shall be monitored electronically and shall send a signal to activate a warning in the instrument panel when levels fall below normal. The warning shall activate in a low oil situation upon turning on the master battery and ignition switches without the engine running.

FLUID FILLS

The front of the chassis shall accommodate fluid fill for the engine oil through the grille. This area shall also accommodate a check for the engine oil. The transmission, power steering, and coolant fluid fills and checks shall be under the cab. The windshield washer fill shall be accessible through the front left side mid step.

ENGINE DRAIN PLUG

The engine shall include an original equipment manufacturer installed oil drain plug.

ENGINE WARRANTY

The Cummins engine shall be warranted for a period of five (5) years or 100,000 miles, whichever occurs first.

REMOTE THROTTLE CONTROL

A Fire Research Pump Boss 400 governor with dual pressure sensors shall be provided for the electronic engine. It shall include a remote mountable control head.

The Pump Boss 400 shall regulate the pump pressure and monitor all essential engine parameters.

LED readouts shall display RPM, PSI, pump discharge and intake pressure, engine oil pressure, engine temperature, transmission temperature, and battery voltage. An audible alarm shall also be part of the system.

REMOTE THROTTLE HARNESS

An apparatus interface wiring harness for the engine shall be supplied with the chassis. The harness shall include a connector for connection to the chassis harness which shall terminate in the left frame rail behind the cab for reconnection by the apparatus builder. The harness shall contain connectors for a FRC Pump Boss pressure governor and a multiplexed gauge. Separate circuits shall be included for pump controls, “Pump Engaged” and “OK to Pump” indicator lights, open compartment ground, start signal, park brake ground, ignition signal, master power, customer ignition, air horn solenoid switch, high idle switch and high idle indication light. The harness shall contain interlocks that will prevent shifting to road or pump mode unless the transmission output speed translates to less than 1 mph and the transmission is in neutral. The shift to pump mode shall also require the park brake be set. The harness shall be designed for a side mount pump panel.

An apparatus interface wiring harness shall also be included which shall be wired to the cab harness interface connectors and shall incorporate circuits with relays to control pump functions. This harness shall control the inputs for the transmission lock up circuits, governor/hand throttle controls and dash display which shall incorporate “Pump Engaged” and “OK to Pump” indicator lights. The harness shall contain circuits for the apparatus builder to wire in a pump switch.

ENGINE PROGRAMMING REMOTE THROTTLE

The engine ECM (Electronic Control Module) discreet wire remote throttle circuit shall be turned off for use with a J1939 based pump controller or when the discreet wire remote throttle controls are not required.

ENGINE PROGRAMMING IDLE SPEED

The engine low idle speed will be programmed at 700 rpm.

ENGINE AIR INTAKE

The engine air intake system shall include an ember separator. This ember separator shall be designed to protect the downstream air filter from embers using a combination of unique flat and

crimped metal screens packaged in a heavy duty galvanized steel frame. This multilayered screen shall trap embers and allow them to burn out before passing through the pack.

The engine air intake system shall also include an air cleaner mounted above the radiator. This air cleaner shall utilize a replaceable dry type filter element designed to prevent dust and debris from being ingested into the engine. A service cover shall be provided on the housing, reducing the chance of contaminating the air intake system during air filter service.

The air intake system shall include a restriction indicator light in the warning light cluster on the instrument panel, which shall activate when the air cleaner element requires replacement.

ENGINE FAN DRIVE

The engine cooling system fan shall incorporate a thermostatically controlled, Horton fully variable type fan drive with SmartClutch J-1939 CAN controller. The clutch fan shall override the thermostatic variable speed and function as full on automatically in pump mode.

The variable speed fan clutch only engages at the amount needed for proper cooling to facilitate improved vehicle performance, cab heating in cold climates, and fuel economy. The fan clutch design shall be fail-safe so that if the clutch drive fails the fan shall engage to prevent engine overheating due to the fan clutch failure. The fan speed shall include a J-1939 CAN clutch controller to receive signal from the engine control module to activate at variable rates of speed. Variable speeds shall be set through thermostatic and engine speed signals to run as efficiently and quietly as required to maintain temperature.

ENGINE COOLING SYSTEM

There shall be a heavy-duty aluminum cooling system designed to meet the demands of the emergency response industry. The cooling system shall have the capacity to keep the engine properly cooled under all conditions of road and pumping operations. The cooling system shall be designed and tested to meet or exceed the requirements specified by the engine and transmission manufacturer and all EPA requirements. The complete cooling system shall be mounted to isolate the entire system from vibration or stress. The individual cores of the cooling system shall be mounted in a manner to allow expansion and contraction at various rates without inducing stress into the adjoining cores.

The cooling system shall be comprised of a charge air cooler to radiator serial flow package that provides the maximum cooling capacity for the specified engine as well as serviceability. The main components shall include a surge tank, a charge air cooler bolted to the front of the radiator, recirculation shields, a shroud, a fan, and required tubing.

The radiator shall be a down-flow design constructed with aluminum cores, plastic end tanks, and a steel frame. The radiator shall be equipped with a drain cock to drain the coolant for serviceability.

The cooling system shall include a one piece injected molded polymer fan with a three (3) piece fiberglass fan shroud.

The cooling system shall be equipped with a surge tank that is capable of removing entrained air from the system. The surge tank shall be equipped with a low coolant probe and rearward oriented sight glass to observe coolant in the system. A cold fill and observation line shall be included

within the frame mounted translucent recovery bottle to monitor the level of the coolant. The surge tank shall have a dual seal cap that meets the engine manufacturer's pressure requirements and allows for expansion and recovery of coolant into a separate integral expansion chamber.

All radiator tubes shall be formed from aluminized steel tubing. Recirculation shields shall be installed where required to prevent heated air from reentering the cooling package and affecting performance.

The charge air cooler shall be a crossflow design constructed completely of aluminum with cast tanks. All charge air cooler tubes shall be formed from aluminized steel tubing and installed with silicone hump hoses and stainless steel “constant torque” style clamps meeting the engine manufacturer's requirements.

The radiator and charge air cooler shall be removable through the bottom of the chassis.

ENGINE COOLING SYSTEM PROTECTION

The engine cooling system shall include a recirculation shield designed to act as a light duty skid plate below the radiator to provide additional protection for the engine cooling system from light impacts, stones, and road debris. The skid plate shall be painted to match the frame components.

ENGINE COOLANT

The cooling package shall include Extended Life Coolant (ELC). The use of ELC provides longer intervals between coolant changes over standard coolants providing improved performance. The coolant shall contain a 50/50 mix of ethylene glycol and de-ionized water to keep the coolant from freezing to a temperature of -34 degrees Fahrenheit.

Proposals offering supplemental coolant additives (SCA) shall not be considered, as this is part of the extended life coolant makeup.

ENGINE COOLANT FILTER

An engine coolant filter with a shut-off valve for the inlet and outlet shall be installed on the chassis. The location of the filter shall allow for easy maintenance.

Proposals offering engines equipped with coolant filters shall be supplied with standard non-chemical type particulate filters.

ELECTRONIC COOLANT LEVEL INDICATOR

The instrument panel shall feature a low engine coolant indicator light which shall be located in the center of the instrument panel. An audible tone alarm shall also be provided to warn of a low coolant incident.

ENGINE PUMP HEAT EXCHANGER

A single bundle type coolant to water heat exchanger shall be installed between the engine and the radiator. The heat exchanger shall be designed to prohibit water from the pump from

coming in contact with the engine coolant. This shall allow the use of water from the discharge side of the pump to assist in cooling the engine.

COOLANT HOSES

The cooling systems hose shall be formed silicone hose and formed aluminized steel tubing and include stainless steel constant torque band clamps.

ENGINE COOLANT OVERFLOW BOTTLE

A remote engine coolant overflow expansion bottle shall be provided in the case of over filling the coolant system. The overflow bottle shall capture the expansion fluid or overfill rather than allow the fluid to drain on the ground.

ENGINE EXHAUST SYSTEM

The exhaust system shall include an end-in end-out horizontally mounted single module after treatment device, and downpipe from the charge air cooled turbo. The single module shall include four temperature sensors, diesel particulate filter (DPF), urea dosing module (UL2), and a selective catalytic reduction (SCR) catalyst to meet current EPA standards. The selective catalytic reduction catalyst utilizes a diesel exhaust fluid solution consisting of urea and purified water to convert NOx into nitrogen, water, and trace amounts of carbon dioxide. The solution shall be mixed and injected into the system through the DPF and SCR.

The system shall utilize 0.07 inch thick stainless steel exhaust tubing between the engine turbo and the DPF. Zero leak clamps seal all system joints between the turbo and DPF.

The single module after treatment through the end of the tailpipe shall be connected with zero leak clamps. The discharge shall terminate horizontally on the right side of the vehicle ahead of the rear tires.

The exhaust system after treatment module shall be mounted below the frame in the outboard position.

DIESEL EXHAUST FLUID TANK

The exhaust system shall include a molded cross linked polyethylene tank for Diesel Exhaust Fluid (DEF). The tank shall have a capacity of six (6) usable gallons and shall be mounted on the left hand side of the chassis frame behind the batteries below the frame.

The DEF tank shall be designed with capacity for expansion in case of fluid freezing. Engine coolant, which shall be thermostatically controlled, shall be run through lines in the tank to help prevent the DEF from freezing and to provide a means of thawing the fluid if it should become frozen.

The tank fill tube shall be routed under the rear of the cab with the fill neck and splash guard accessible in the top rear step.

ENGINE EXHAUST ACCESSORIES

An exhaust temperature mitigation device shall be shipped loose for installation by the body manufacturer on the vehicle. The temperature mitigation device shall lower the temperature of the exhaust by combining ambient air with the exhaust gasses at the exhaust outlet.

The tail pipe shall have a 7.00 inch offset shifting the exhaust pipe inboard of the exhaust canister to provide additional clearance from the body and frame mounted brackets.

ENGINE EXHAUST WRAP

The exhaust tubing between the engine turbo and the diesel particulate filter (DPF) shall be wrapped with a thermal cover in order to retain the necessary heat for DPF regeneration. The exhaust wrap shall also help protect surrounding components from radiant heat which can be transferred from the exhaust.

The exhaust flex joint shall not include the thermal exhaust wrap.

EMISSIONS SYSTEMS WARRANTY

Purchaser shall receive a Regulated Emissions Systems Five (5) Years or 100,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0140.

The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

TRANSMISSION

The drive train shall include an Allison model EVS 4000 torque converting, automatic transmission which shall include electronic controls. The transmission shall feature two (2) 10-bolt PTO pads located on the converter housing.

The transmission shall include two (2) internal oil filters which shall offer Castrol TranSynd™ synthetic TES 295 transmission fluid which shall be utilized in the lubrication of the EVS transmission. An electronic oil level sensor shall be included with the readout located in the shift selector.

The transmission gear ratios shall be:

1st	3.51:1
2nd	1.91:1
3rd	1.43:1
4th	1.00:1
5th	0.74:1
6th	0.64:1 (if applicable)
Rev	4.80:1

TRANSMISSION MODE PROGRAMMING

The transmission, upon start-up, will select five (5) speeds of operation. The sixth speed over drive shall be available with the activation of the mode button on the shifting pad.

TRANSMISSION FEATURE PROGRAMMING

The Allison Gen V/VI-E transmission EVS group package number 127 shall contain the 198 vocational package in consideration of the duty of this apparatus as a pumper. This package shall incorporate an automatic neutral with selector override. This feature commands the transmission to neutral when the park brake is applied, regardless of drive range requested on the shift selector. This requires re-selecting drive range to shift out of neutral for the override.

This package shall be coupled with the use of a split shaft PTO and incorporate pumping circuits. These circuits shall be used allowing the vehicle to operate in the fourth range lockup while operating the pump mode due to the 1 to 1 ratio through the transmission, therefore the output speed of the engine is the input speed to the pump. The pump output can be easily calculated by using this input speed and the drive ratio of the pump itself to rate the gallons of water the pump can provide.

A transmission interface connector shall be provided in the cab. This package shall contain the following input/output circuits to the transmission control module. The Gen V/VI-E transmission shall include prognostic diagnostic capabilities. These capabilities shall include the monitoring of the fluid life, filter change indication, and transmission clutch maintenance.

Function ID	Description	Wire assignment
Inputs		
C	PTO Request	142
J	Fire Truck Pump Mode (4th Lockup)	122 / 123
Outputs		
C	Range Indicator	145 (4th)
G	PTO Enable Output	130
	Signal Return	103

ELECTRONIC TRANSMISSION OIL LEVEL INDICATOR

The transmission fluid shall be monitored electronically and shall send a signal to activate a warning in the instrument panel when levels fall below normal.

TRANSMISSION SHIFT SELECTOR

An Allison pressure sensitive range selector touch pad shall be provided and located to the right of the driver within clear view and easy reach. The shift selector shall have a graphical Vacuum Florescent Display (VFD) capable of displaying two lines of text. The shift selector shall provide mode indication and a prognostic indicator (wrench symbol) on the digital display. The prognostics monitor various operating parameters and shall alert you when a specific maintenance function is required.

TRANSMISSION PRE-SELECT WITH AUXILIARY BRAKE

When the auxiliary brake is engaged, the transmission shall automatically shift to second gear to decrease the rate of speed assisting the secondary braking system and slowing the vehicle.

TRANSMISSION COOLING SYSTEM

The transmission shall include a water to oil cooler system located in the cooling loop between the radiator and the engine. The transmission cooling system shall meet all transmission manufacturer requirements. The transmission cooling system shall feature continuous flow of engine bypass water to maintain uninterrupted transmission cooling.

TRANSMISSION DRAIN PLUG

The transmission shall include an original equipment manufacturer installed magnetic transmission fluid drain plug.

TRANSMISSION WARRANTY

The Allison EVS series transmission shall be warranted for a period of five (5) years with unlimited mileage. Parts and labor shall be included in the warranty.

LH PTO

A ten (10) bolt standard duty clutched drive PTO shall be provided by the chassis manufacturer and installed on the transmission. Installation shall include mounting of the PTO and wiring the unit with a control switch.

LH PTO MODEL

A ten (10) bolt Chelsea model 280-GGFJP-B5XD heavy duty transmission driven PTO shall be installed. The clutched shifted PTO is designed specifically for the Allison world transmission and provides an intermittent and continuous torque rating of 360 lb. ft.

PTO LOCATION

The transmission shall have two (2) power take off (PTO) mounting locations, one (1) in the 8:00 o'clock position and one (1) in the 1:00 o'clock position.

LH PTO CONTROL

The left hand power take off shall be controlled by the transmission. The power take off shall be activated by a locking on/off rocker switch which contains an integral light which shall illuminate upon a positive engagement of the power take off. This switch shall be located on dash.

Required operating conditions for enabling this function are:

- Throttle position is low
- Engine speed is within customer specified constant limits
- Transmission output speed is within customer specified constant limits

Park brake set

PTO PROGRAMMING

The power take off shall be programmed for operator control such that it shall only engage at or below 900 engine RPM and a transmission output speed of 250 RPM. The PTO shall operate in a range up to 4000 engine RPM or a transmission output speed of 5000 RPM. The PTO programming shall provide for automatic disengagement set at a specified engine speed of 4000 RPM, or transmission output speed of 5000 RPM. The range shall be programmed to protect equipment driven from the power take off.

DRIVELINE

All drivelines shall be heavy duty metal tube and equipped with MSI 1810 series universal joints for the main drivelines, and 1710 series for the inter-axle shaft. The shafts shall be dynamically balanced prior to installation to alleviate future vibration. In areas of the driveline where a slip shaft is required, the splined slip joint shall be coated with Glide Coat®. The drivelines shall include Meritor brand u-joints with thrust washers.

MIDSHIP PUMP / GEARBOX

A temporary jackshaft driveline and pump mounting brackets shall be installed by the chassis manufacturer to accommodate the midship split shaft pump as specified by the apparatus manufacturer.

MIDSHIP PUMP / GEARBOX MODEL

The midship pump/gearbox provisions shall be for a Waterous CSUC20 pump.

MIDSHIP PUMP GEARBOX DROP

The Waterous pump gearbox shall have a “B” (short) drop length.

MIDSHIP PUMP RATIO

The ratio for the midship pump shall be 2.27:1.

MIDSHIP PUMP LOCATION C/L SUCTION TO C/L REAR AXLE

The midship pump shall be located so the dimension from the centerline of the suction to the centerline of the rear axle is 141.00 inches.

PUMP SHIFT CONTROLS

One (1) air pump shift control panel shall be located on the left hand side of the engine tunnel, integrated with the shifter pod. The following shall be provided on the panel: a three (3) position control lever; an engraved PUMP ENGAGED identification light; and an engraved OK TO PUMP identification light. The pump shift control panel shall be black with a yellow border outline and shall include pump instructions. An instruction plate describing the transmission shift selector position used for pumping shall be provided and located so it can be read from the driver’s position per NFPA **16.10.1.3**. The road mode shall be selected when the control lever is in the forward position and pump mode shall be selected when the control lever is in the rearward position.

The control lever center position shall exhaust air from both pump and roadsides of the pump gear box shift cylinder.

PUMP SHIFT CONTROL PLUMBING

Air connections shall be provided from the air supply tank to the pump shift control valve and from the pump shift control valve to the frame mounted bracket. The frame mounted bracket shall include labeling identifying the pump and road connection points with threaded 0.25 inch NPT fittings on the solenoid for attaching the customer installed pump. The air supply shall be pressure protected from service brake system.

FUEL FILTER/WATER SEPARATOR

The fuel system shall have a Racor GreenMAX 6600R fuel filter/water separator as a primary filter. The fuel filter shall have a drain valve and a see-through cover to allow visual inspection of fuel and filter condition. The Racor 6600R shall meet engine requirements for particulate size, collection capacity, removal efficiency, and water removal efficiency. The filter shall be capable of handling a maximum flow rate of 150 gallons per hour.

A secondary fuel filter shall be included as approved by the engine manufacturer.

An instrument panel lamp and audible alarm which indicates when water is present in the fuel-water separator shall also be included.

FUEL LINES

The fuel system supply and return lines installed from the fuel tank to the engine shall be black textile braided lines which are reinforced with braided high tensile steel wire. The fuel lines shall be connected with reusable steel fittings.

FUEL SHUTOFF VALVE

A fuel shutoff valve shall be installed in the fuel draw line at the primary fuel filter to allow the fuel filter to be changed without loss of fuel to the fuel pump.

ELECTRIC FUEL PRIMER

Integral to the engine assembly is an electric lift pump that serves the purpose of pre-filter fuel priming.

FUEL COOLER

An aluminum cross flow air to fuel cooler shall be provided to lower fuel temperature allowing the vehicle to operate at higher ambient temperatures. The fuel cooler shall be located behind the rear axle.

FUEL TANK

The fuel tank shall have a capacity of sixty-eight (68) gallons and shall measure 35.00 inches in width X 17.00 inches in height X 29.00 inches in length.

The baffled tank shall have a vent port to facilitate venting to the top of the fill neck for rapid filling without "blow-back" and a roll over ball check vent for temperature related fuel expansion and draw.

The tank is designed with dual draw tubes and sender flanges. The tank shall have 2.00 inch NPT fill ports for right or left hand fill. A 0.50 inch NPT drain plug shall be centered in the bottom of the tank.

The fuel tank shall be mounted below the frame, behind the rear axle. Two (2) three-piece strap hanger assemblies with “U” straps bolted midway on the fuel tank front and rear shall be utilized to allow the tank to be easily lowered and removed for service purposes. Rubber isolating pads shall be provided between the tank and the upper tank mounting brackets. Strap mounting studs through the rail, hidden behind the body shall not be acceptable.

FUEL TANK MATERIAL AND FINISH

The fuel tank shall be constructed of 12 gauge aluminized steel. The exterior of the tank shall be powder coated black and then painted to match the frame components.

All powder coatings, primers and paint shall be compatible with all metals, pretreatments and primers used. The cross hatch adhesion test per ASTM D3359 Method B, results to be 5B minimum. The pencil hardness test per ASTM D3363 shall have a final post-curved pencil hardness of H-2H. The direct impact resistance test per ASTM D2794, results to be 5B minimum.

Any proposals offering painted fuel tanks with variations from the above process shall not be accepted. The film thickness of vendor supplied parts shall also be sufficient to meet the performance standards as stated above.

FUEL TANK STRAP MATERIAL

The fuel tank straps shall be constructed of ASTM A-36 steel. The fuel tank straps shall be powder coated black and then painted to match the frame components if possible.

FUEL TANK FILL PORT

The fuel tank fill ports shall be provided with two (2) left fill ports located one (1) in the forward position and one (1) in the middle position and the right fill port located in the middle position of the fuel tank.

FUEL TANK SERVICEABILTY PROVISIONS

The chassis fuel lines, and sender wiring shall have additional length provided so the tank can be easily lowered and removed for service purposes. The additional 12.00 feet of length shall be located above the fuel tank and shall be coiled and secured. The fuel line fittings shall be pointed towards the right side (curbside) of the chassis.

FUEL TANK DRAIN PLUG

A 0.5 inch NPT magnetic drain plug shall be centered in the bottom of the fuel tank.

FRONT AXLE

The front axle shall be a Hendrickson STEERTEK Non-drive front axle, NXT Fire/Rescue model. The axle shall include a 3.74 inch drop and a 70.87 inch king pin intersection (KPI). The axle shall be a box-shaped fabricated beam with integrated suspension. The axle shall include a conventional style hub with a standard knuckle. The weight capacity for the axle shall be rated to 24,000 pounds.

FRONT WHEEL BEARING LUBRICATION

The front axle wheel bearings shall be lubricated with oil. The oil level can be visually checked via clear inspection windows in the front axle hubs.

FRONT SHOCK ABSORBERS

Shock absorbers shall be supplied by the suspension manufacturer and installed on the front axle suspension.

FRONT SUSPENSION

The front suspension shall include a parabolic leaf spring pack integrated into the Hendrickson STEERTEK NXT axle consisting of 58.40 inches long and 4.00 inches wide tapered leaf springs and shall feature a military double wrapped front eye. Spring eyes shall have Hendrickson's proprietary threaded pin bushings to increase roll stiffness. The spring capacity shall be rated specifically to the axle configuration from 18,000 and up to 24,000 pounds.

STEERING COLUMN/ WHEEL

The cab shall include a Douglas Autotech steering column which shall include a seven (7) position tilt, a 2.25 inch telescopic adjustment, and an 18.00 inch, four (4) spoke steering wheel located at the driver's position. The steering wheel shall be covered with black polyurethane foam padding.

The steering column shall contain a horn button, self-canceling turn signal switch, four-way hazard switch and headlamp dimmer switch.

ELECTRONIC POWER STEERING FLUID LEVEL INDICATOR

The power steering fluid shall be monitored electronically and shall send a signal to activate an audible alarm and visual warning in the instrument panel when fluid level falls below normal.

POWER STEERING PUMP

The hydraulic power steering pump shall be a TRW PS and shall be gear driven from the engine. The pump shall be a balanced, positive displacement, sliding vane type. The power steering system shall include an oil to air passive cooler.

FRONT AXLE CRAMP ANGLE

The chassis shall have a front axle cramp angle of 45-degrees to the left and 43-degrees to the right.

POWER STEERING GEAR

The power steering gear shall be a TRW model TAS 85 with an assist cylinder.

CHASSIS ALIGNMENT

The chassis frame rails shall be measured to ensure the length is correct and cross checked to make sure they run parallel and are square to each other. The front and rear axles shall be laser aligned. The front tires and wheels shall be aligned and toe-in set on the front tires by the chassis manufacturer.

REAR AXLE

The rear axle shall be a Meritor model RT-52-185 tandem drive axle. The axle shall include precision forged, single reduction differential gearing, and shall have a fire service rated capacity of 54,000 pounds.

The axle shall be built of superior construction and quality components to provide the rugged dependability needed to stand up to the fire industry's demands. The axle shall include rectangular shaped, hot-formed housing with a standard wall thickness of 0.56 of an inch for extra strength and rigidity and a rigid differential case for high axle strength and reduced maintenance.

The axle shall have heavy-duty Hypoid gearing for longer life, greater strength and quieter operation. Industry-standard wheel ends for compatibility with both disc and drum brakes, and unitized oil seal technology to keep lubricant in and help prevent contaminant damage will be used.

REAR AXLE DIFFERENTIAL LUBRICATION

The rear axle differential shall be lubricated with oil.

REAR AXLE WARRANTY

The rear axle shall be warranted by Meritor for five (5) years with unlimited miles under the general service application. Details of the Meritor warranty are provided on the PDF document attached to this option.

REAR WHEEL BEARING LUBRICATION

The rear axle wheel bearings shall be lubricated with oil.

REAR AXLE DIFFERENTIAL CONTROL

The tandem axle chassis shall include an inter-axle differential lock, which shall allow both axles to be engaged as drive axles. The inter-axle differential lock shall be controlled by a locking rocker switch on the switch panel. The light on the switch shall illuminate with positive engagement of the inter-axle differential lock.

VEHICLE TOP SPEED

The top speed of the vehicle shall be approximately 65 MPH +/-2 MPH at governed engine RPM.

REAR SUSPENSION

The tandem rear axle shall feature a Neway AD-254 air suspension. Each axle shall be independently suspended for optimum performance. The suspension shall include optimized air springs which shall be mounted to the equalizing beams and integral transverse beams. Adjustable torque rods and adjustable track bars shall also be included. The rear tandem suspension shall include 54.00 inch axle centers.

Dual air height control valves shall be installed to ensure equal frame height on both sides of the vehicle regardless of the load.

The rear suspension shall be run flat compatible at reduced speeds.

The rear suspension capacity shall be rated at 48,000 to 54,000 pounds.

REAR SHOCK ABSORBERS

Shock absorbers shall be supplied by the suspension manufacturer and installed on the rear axle suspension.

TIRE INTERMITTENT SERVICE RATING

The chassis shall be rated using Intermittent Service ratings provided to the emergency vehicle market by the tire manufacturers as the basis for determining the maximum vehicle load and speed.

FRONT TIRE

The front tires shall be Michelin 425/65R-22.5 20PR "L" tubeless radial XZY3 mixed service tread.

The front tire stamped load capacity shall be 22,800 pounds per axle with a nominal speed rating of 65 miles per hour when properly inflated to 120 pounds per square inch.

The Michelin Intermittent Service Rating maximum load capacity shall be 24,396 pounds per axle with a maximum speed of 65 miles per hour when properly inflated to 120 pounds per square inch.

The Michelin Intermittent Service Rating maximum speed capacity shall be 22,800 pounds per axle with a speed rating of 75 miles per hour when properly inflated to 120 pounds per square inch.

The Michelin Intermittent Service Rating limits the operation of the emergency vehicle to no more than fifty (50) miles of continuous operation under maximum recommended payload, or without stopping for at least twenty (20) minutes. The emergency vehicle must reduce its speed to no more than 50 MPH after the first fifty (50) miles of travel.

REAR TIRE

The rear tires shall be Michelin 12R-22.5 16PR "H" tubeless radial XZE regional tread.

The rear tire stamped load capacity shall be 27,120 pounds per axle with a speed rating of 75 miles per hour when properly inflated to 120 pounds per square inch.

The Michelin Tire Intermittent Service Rating load capacity shall be 28,880 pounds per axle with a speed rating of 75 miles per hour when properly inflated to 120 pounds per square inch. The Michelin Intermittent Service Rating limits the operation of the emergency vehicle to one (1) hour of loaded travel with a one (1) hour cool down prior to another loaded run.

REAR AXLE RATIO

The rear axle ratio shall be 5.38:1.

TIRE PRESSURE INDICATOR

There shall be electronic chrome LED valve caps shipped loose for installation by the OEM which shall illuminate with a red LED when tire pressure drops 8psi provided. The valve caps are self-calibrating and set to the pressure of the tire upon installation.

FRONT WHEEL

The front wheels shall be Alcoa hub piloted, 22.50 inch X 12.25 inch aluminum wheels. The outer face of the wheels shall feature Alcoa's Dura-Bright® finish as an integral part of the wheel surface. Alcoa Dura-Bright® wheels keep their shine without polishing. Brake dust, grime and road debris are easily removed by simply cleaning the wheels with soap and water. The hub piloted mounting system shall provide easy installation and shall include two-piece flange nuts.

REAR WHEEL

The rear wheels shall be Alcoa hub piloted, 22.50 inch X 8.25 inch LvL One™ aluminum wheels with a polished outer surface and Alcoa Dura-Bright® wheel treatment as an integral part of the wheel. The hub piloted mounting system shall provide easy installation and shall include two-piece flange nuts.

WHEEL TRIM

The front wheels shall include stainless steel lug nut covers and stainless steel baby moons shipped loose with the chassis for installation by the apparatus builder. The baby moons shall have cutouts for oil seal viewing when applicable.

The rear wheels shall include stainless steel lug nut covers and band mounted spring clip stainless steel high hats shipped loose with the chassis for installation by the apparatus builder.

The lug nut covers, baby moons, and high hats shall be RealWheels® brand constructed of 304L grade, non-corrosive stainless steel with a mirror finish. Each wheel trim component shall meet D.O.T. certification.

BRAKE SYSTEM

A rapid build-up air brake system shall be provided. The air brake system shall include, at a minimum, a three (3) air tank, four (4) reservoir system with a total of 6236 cubic inch of air capacity. A floor mounted treadle valve shall be mounted inside the cab for graduated control of applying and releasing the brakes. An inversion valve shall be installed to provide a service brake application in the unlikely event of primary air supply loss. All air reservoirs provided on the chassis shall be labeled for identification.

The tandem rear axle spring brakes shall automatically apply in any situation when the air pressure falls below 25 PSI and shall include a mechanical means for releasing the spring brakes when necessary. An audible alarm shall designate when the system air pressure is below 60 PSI.

A six (6) sensor, six (6) modulator Anti-lock Braking System (ABS) shall be installed on the front and tandem rear axles in order to prevent the brakes from locking or skidding while braking during hard stops or on icy or wet surfaces. This in turn shall allow the driver to maintain steering control under heavy braking and in most instances, shorten the braking distance. The electronic monitoring system shall incorporate diagonal circuitry which shall monitor wheel speed during braking through a sensor and tone ring on each wheel. A dash mounted ABS lamp shall be provided to notify the driver of a system malfunction. The ABS system shall automatically disengage the auxiliary braking system device when required. The speedometer screen shall be capable of reporting all active defaults using PID/SID and FMI standards.

Additional safety shall be accommodated through Automatic Traction Control (ATC) which shall be installed on the tandem rear axle. The ATC system shall apply the ABS when the drive wheels loose traction. The system shall scale the electronic engine throttle back to prevent wheel spin while accelerating on ice or wet surfaces.

A momentary rocker style switch shall be provided and properly labeled “mud/snow”. When the switch is pressed once, the system shall allow a momentary wheel slip to obtain traction under extreme mud and snow conditions. During this condition the ATC light and the light on the rocker switch shall blink continuously notifying the driver of activation. Pressing the switch again shall deactivate the mud/snow feature.

The Electronic Stability Control (ESC) unit is a functional extension of the electronic braking system. It is able to detect any skidding of the vehicle about its vertical axis as well as any rollover tendency.

The control unit comprises an angular-speed sensor that measures the vehicle’s motion about the vertical axis, caused, for instance, by cornering or by skidding on a slippery road surface. An acceleration sensor measures the vehicle’s lateral acceleration. The Controller Area Network (CAN) bus provides information on the steering angle. On the basis of lateral acceleration and steering angle, an integrated microcontroller calculates a theoretical angular speed for the stable vehicle condition.

FRONT BRAKES

The front brakes shall be Meritor EX225 Disc Plus disc brakes with 17.00 inch vented rotors.

REAR BRAKES

The rear brakes shall be Meritor EX225 Disc Plus disc brakes with 17.00 inch vented rotors.

PARK BRAKE

Upon application of the push-pull valve in the cab, the rear brakes will engage via mechanical spring force. This is accomplished by dual chamber rear brakes, satisfying the FMVSS parking brake requirements.

SUPPLEMENTAL BRAKE

A supplemental brake engagement shall be supplied that can only be engaged while the rear spring brakes are engaged. In addition to the mechanical rear brake engagement, the front service brakes shall also be engaged via air pressure, providing additional braking capability. Front service brake activation shall be accomplished with activation of the rear mechanical park brake valve.

PARK BRAKE CONTROL

A Meritor-Wabco manual hand control push-pull style valve shall operate the parking brake.

The parking brake actuation valve shall be mounted to the left side of the engine tunnel integrated into the transmission shift pod console within easy access of the driver.

The control shall include a protective guard which shall prevent accidental activation of the parking brake and still allow proper actuation of the control.

AIR DRYER

The brake system shall include a Wabco System Saver 1200 air dryer with an integral heater with a Metri-Pack sealed connector. The air dryer incorporates an internal turbo cutoff valve that closes the path between the air compressor and air dryer purge valve during the compressor "unload" cycle. The turbo cutoff valve allows purging of moisture and contaminants without the loss of turbo boost pressure. The air dryer shall be mounted to the frame behind the battery box on the left hand side outboard on an aerial apparatus bracket.

FRONT BRAKE CHAMBERS

The front brakes shall be provided with type 24 brake chambers as supplied with the Hendrickson STEERTEK NXT axle.

REAR BRAKE CHAMBERS

The rear axle shall include MGM 24/30 brake chambers shall convert the energy of compressed air into mechanical force and motion. This shall actuate the brake camshaft, which in turn shall operate the foundational brake mechanism forcing the brake pads against the brake rotor.

AIR COMPRESSOR

The air compressor provided for the engine shall be a Wabco® SS318 single cylinder pass-through drive type compressor which shall be capable of producing 18.7 CFM at 1200 engine RPMs. The air compressor shall feature a higher delivery efficiency translating to more air delivery per horsepower absorbed. The compressor shall include an aluminum cylinder head which shall improve cooling, reduce weight and decrease carbon formation. Superior piston and bore finishing technology shall reduce oil consumption and significantly increasing the system component life.

AIR GOVERNOR

An air governor shall be provided to control the cut-in and cut-out pressures of the engine mounted air compressor. The governor shall be calibrated to meet FMVSS requirements. The air governor shall be located on the air dryer bracket.

AUXILIARY AIR RESERVOIR

One (1) auxiliary air reservoir with a 2084 cubic inch capacity shall be installed on the chassis to act as an additional reserve supply to the air system for air horn, air tool, or other non-service brake use. The reservoir shall be isolated with a 90 PSI pressure protection valve on the reservoir supply side to prevent depletion of the air to the air brake system.

MOISTURE EJECTORS

An automatic moisture ejector with a manual drain provision shall be installed on the wet tank of the air supply system. Manual pet-cock type drain valves shall be installed on all remaining reservoirs of the air supply system.

AIR SUPPLY LINES

The air system on the chassis shall be plumbed with color coded reinforced nylon tubing air lines. The primary (rear) brake line shall be green, the secondary (front) brake line red, the parking brake line orange and the auxiliary (outlet) will be blue.

Push to connect type fittings shall be used on the nylon tubing. All drop hoses shall include fiber reinforced neoprene covered hoses.

AIR TANK SPACERS

There shall be spacers included with the air tank mounting. The spacers shall move the air tanks 1.50 inches inward towards the center of the chassis. This shall provide clearance between the air tanks and the frame for body U-bolt clearance.

REAR AIR TANK MOUNTING

If a combination of wheelbase, air tank quantity, or other requirements necessitate the location of one or more air tanks to be mounted rear of the fuel tank, these tank(s) will be mounted perpendicular to frame.

WHEELBASE

The chassis wheelbase shall be 224.5 inches.

REAR OVERHANG

The chassis rear overhang shall be 106.00 inches.

FRAME

The frame shall consist of triple side rails and cross members forming a ladder style frame. The side rails shall be formed in the shape of a "C" channel, with the outer rail measuring 10.25 inches high X 3.50 inches deep X 0.38 inches thick, with an inner channel 9.44 inches high X 3.13 inches deep X 0.38 inches thick, and a second inner channel, 8.55 inches high X 2.75 inches deep X 0.25 inches thick which shall be provided extending from the rear of the cab to the forward rear suspension cross member. Each rail shall be constructed of 110,000 psi minimum yield high strength low alloy steel. The triple rail section shall be rated by a Resistance Bending Moment (RBM) minimum of 3,921,500 inch pounds and have a minimum section modulus of 35.65 cubic inches. The frame shall measure 35.00 inches in width.

Proposals calculating the frame strength using the “box method” shall not be considered.

Proposals including heat treated rails shall not be considered. Heat treating frame rails produces rails that are not uniform in their mechanical properties throughout the length of the rail. Rails made of high strength, low alloy steel are already at the required yield strength prior to forming the rail.

A minimum of seven (7) fully gusseted 0.25 inch thick cross members shall be installed. The inclusion of the body mounting, or bumper mounting shall not be considered as a cross member. The cross members shall be attached using zinc coated grade 8 fasteners.

The bolt heads shall be flanged type, held in place by distorted thread flanged lock nuts. Each cross member shall be mounted to the frame rails utilizing a minimum of 0.25 inch thick gusset reinforcement plates at all corners balancing the area of force throughout the entire frame.

Any proposals not including additional reinforcement for each cross member shall not be considered.

All relief areas shall be cut in with a minimum 2.00 inch radius at intersection points with the edges ground to a smooth finish to prevent a stress concentration point.

FRAME CLEAR AREA

The chassis frame shall be left clear of chassis mounted components inside or outside the frame rails within the first 30.00 inches behind the cab to allow space for OEM installed components. Cross members may be installed in the clear area if required for proper frame or driveline configuration.

FRAME PAINT

The frame shall be hot dip galvanized prior to assembly and attachment of any components. The components that shall be galvanized shall include:

- Main frame “C” channel or channels
- Front splayed rails and fish plates
- Cross members (excluding suspension cross members)
- Cross member gussets
- Fuel tank mounting brackets
- Fuel tank straps (unless material/finish is specified in 3130 subcat)
- Air tank mounting brackets (unless material/finish is specified in 3205, 3305, or 2232 subcat)
- Exhaust mounting brackets
- Air cleaner skid plate
    - Radiator skid plate
- Battery supports
- Battery trays (unless material/finish is specified in 5106 subcat)
- Battery covers (unless material/finish is specified in 5107 subcat)

The frame parts which are not galvanized shall be powder coated prior to any attachment of components. Parts which shall be powder coated shall include but are not limited to:

- Bumper extensions
- Steering gear bracket
- Air tanks (unless color coded tanks are specified in 3205 subcat)

Other non-galvanized under carriage components which are received from the suppliers with coatings already applied shall include but are not limited to:

- Suspension components
- Front and rear axles

All powder coatings, primers and paint used on the non-galvanized components shall be compatible with all metals, pretreatments and primers used. The cross hatch adhesion test per ASTM D3359 shall not have a failure of more than ten (10) squares. The pencil hardness test per ASTM D3363 shall have a final post-curved pencil hardness of H-2H. The direct impact resistance test per ASTM D2794 shall have an impact resistance of 120.00 inches per pound at 2 mils.

FRAME PAINT - MISCELLANEOUS

There shall be an RTV type sealant applied to the seams between the frame rail and the frame liner(s) to help prevent water intrusion between the frame rails. The sealant shall be applied to all seams along the length of the frame and at the top, front, and rear ends of the liner(s). The sealant shall be applied after the frame rails have been assembled and painted.

FRAME ASSEMBLY STRUCTURAL

Purchaser shall receive a Frame Assembly Structural Twenty (20) Years or 100,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0304. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

FRAME RAIL CORROSION

Purchaser shall receive a Frame Rail Corrosion (Zinc Plate and Powder Coat) Twenty Five (25) Years or 150,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0316. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

FRAME COMPONENTS CORROSION

Purchaser shall receive a Frame Components Corrosion (Zinc Plate) Twenty (20) Years or 132,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0314. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

REAR MUD FLAP

The unit shall be equipped with a temporary wooden fender and mud flap assembly for transport to the body manufacturer.

FRONT BUMPER

The chassis shall be equipped with a severe duty front bumper constructed from structural steel channel. The bumper material shall be 0.38 thick ASTM A36 steel which shall measure 12.00 inches high with a 3.05 inch flange and shall be 104.50 inches wide with angled front corners.

The bumper shall be primed and painted as specified.

FRONT BUMPER EXTENSION LENGTH

The front bumper shall be extended approximately 18.00 inches ahead of the cab.

FRONT BUMPER PAINT

The front bumper shall be painted the same as the lower cab color.

FRONT BUMPER APRON

The 18.00 inch extended front bumper shall include an apron constructed of 0.19 inch thick embossed aluminum tread plate.

The apron shall be installed between the bumper and the front face of the cab affixed using stainless steel bolts attaching the apron to the top bumper flange.

FRONT BUMPER DISCHARGE

The chassis shall include frame mounted 2.00 inch diameter plumbed pipe intended for use as a discharge trash line. The discharge pipe shall be routed from the left hand front splay rail area behind the bumper to the area rear of the front axle, ahead of the battery box.

The discharge shall pipe shall be a 2.00 inch stainless steel schedule 10 tube. The discharge shall include a Victaulic groove for connecting to the pump and discharge hose plumbing on each end of the tube.

The apparatus manufacturer shall plumb the discharge pipe to the pump and shall provide all valves as required.

FRONT BUMPER COMPARTMENT CENTER

The front bumper shall include a compartment in the bumper apron located in the center between the frame rails which may be used as a hose well. The compartment shall be constructed of 0.13 inch 5052-H32 grade aluminum and shall include drain holes in the bottom corners to allow excess moisture to escape. The compartment shall include a notched cover constructed of 0.19 inch thick bright embossed aluminum tread plate. The notch shall be located in the left front portion of the cover and shall be 4.00 inches in length with a 2.00 inches wide radius.

FRONT BUMPER COMPARTMENT COVER HARDWARE

The front bumper compartment cover(s) shall include gas cylinder stays which shall hold the cover open. Each cover shall be held in the closed position via a flush push button style latch.

MECHANICAL SIREN

The front bumper shall include an electromechanical Federal Q2B™ siren, which shall be streamlined, chrome-plated and shall produce 123 decibels of sound at 10.00 feet. The Q2B™ siren produces a distinctive warning sound that is recognizable at long distances. A unique clutch design provides a longer coast down sound while reducing the amp draw to 100 amps. The siren shall measure 10.50 inches wide X 10.00 inches high X 14.00 inches deep. The siren shall include mounting hardware designed to recess or flush mount.

MECHANICAL SIREN LOCATION

The siren shall be recess mounted on the left side of the front fascia of the bumper approximately in the center of the flat surface between the bumper radius and the frame rail. The siren shall be mounted completely behind the face of the bumper to protect the siren from damage.

AIR HORN

The front bumper shall include two (2) Hadley brand E-Tone air horns which shall measure 21.00 inches long with a 6.00 inch round flare. The air horns shall be trumpet style with a chrome finish on the exterior and a painted finish deep inside the trumpet.

AIR HORN LOCATION

The air horns shall be recess mounted in the front bumper face on the right side of the bumper in the inboard and outboard positions relative to the right hand frame rail.

AIR HORN RESERVOIR

One (1) air reservoir, with a 2084 cubic inch capacity, shall be installed on the chassis to act as a supply tank for operating air horns.

The reservoir shall be isolated with a 90 PSI pressure protection valve on the reservoir supply side to prevent depletion of the air to the air brake system.

ELECTRONIC SIREN SPEAKER

There shall be one (1) Cast Products Inc. model SA4301, 100 watt speaker provided. The speaker shall measure 6.20 inches tall X 7.36 inches wide X 3.06 inches deep. The speaker shall include a flat mounting flange which shall be polished aluminum.

ELECTRONIC SIREN SPEAKER LOCATION

The electronic siren speaker shall be located on the front bumper face between the frame rails in the left side outboard position.

FRONT BUMPER TOW HOOKS

Two (2) heavy duty tow hooks, painted to match the frame components, shall be installed in the rearward position out of the approach angle area, bolted directly to the side of each chassis frame rail with grade 8 bolts.

CAB TILT SYSTEM

The entire cab shall be capable of tilting approximately 45-degrees to allow for easy maintenance of the engine and transmission. The cab tilt pump assembly shall be located on the right side of the chassis above the battery box.

The electric-over-hydraulic lift system shall include an ignition interlock and red cab lock down indicator lamp on the tilt control which shall illuminate when holding the “Down” button to indicate safe road operation.

It shall be necessary to activate the master battery switch and set the parking brake in order to tilt the cab. As a third precaution the ignition switch must be turned off to complete the cab tilt interlock safety circuit.

Two (2) spring-loaded hydraulic hold down hooks located outboard of the frame shall be installed to hold the cab securely to the frame. Once the hold-down hooks are set in place, it shall take the application of pressure from the hydraulic cab tilt lift pump to release the hooks.

Two (2) cab tilt cylinders shall be provided with velocity fuses in each cylinder port. The cab tilt pivots shall be 1.90 inch ball and be anchored to frame brackets with 1.25 inch diameter studs.

A steel safety channel assembly painted safety yellow shall be installed on the right side cab lift cylinder to prevent accidental cab lowering. The safety channel assembly shall fall over the lift cylinder when the cab is in the fully tilted position. A cable release system shall also be provided to retract the safety channel assembly from the lift cylinder to allow the lowering of the cab.

CAB TILT AUXILIARY PUMP

A manual cab tilt pump module shall be attached to the cab tilt pump housing.

CAB TILT LIMIT SWITCH

A cab tilt limit switch shall be installed. The switch will effectively limit the travel of the cab when being tilted. The limit adjustment of the switch shall be preset by the chassis manufacturer to prevent damage to the cab, or any bumper mounted option mounted in the cab tilt arc. Further adjustment to the limit by the apparatus manufacturer shall be available to accommodate additional equipment.

CAB TILT CONTROL RECEPTACLE

The cab tilt control cable shall include a receptacle which shall be temporarily located on the right hand chassis rail rear of the cab to provide a place to plug in the cab tilt remote control pendant. The tilt pump shall include 8.00 feet of cable with a six (6) pin Deutsch receptacle with a cap.

The remote control pendant shall include 20.00 feet of cable with a mating Deutsch connector. The remote control pendant shall be shipped loose with the chassis.

CAB TILT LOCK DOWN INDICATOR

The cab dash shall include a message located within the dual air pressure gauge which shall alert the driver when the cab is unlocked and ajar. The alert message shall cease to be displayed when the cab is in the fully lowered position and the hold down hooks are secured and locked to the cab mounts.

In addition to the alert message an audible alarm shall sound when the cab is unlocked and ajar and the parking brake is released.

CAB WINDSHIELD

The cab windshield shall have a surface area of 2969.88 square inches and be of a two (2) piece wraparound design for maximum visibility.

The glass utilized for the windshield shall include standard automotive tint. The left and right windshield shall be fully interchangeable thereby minimizing stocking and replacement costs.

Each windshield shall be installed using black self-locking window rubber.

GLASS FRONT DOOR

The front cab doors shall include a window which is 27.00 inches in width X 26.00 inches in height. These windows shall have the capability to roll down completely into the door housing. This shall be accomplished using electric actuation. The left and right front door windows shall be controlled using a switch on each respective side inner door panel. The driver's door shall include a switch for each powered door window in the cab.

There shall be an irregular shaped fixed window which shall measure 2.50 inches wide at the top, 8.00 inches wide at the bottom X 26.00 inches in height, more commonly known as "cozy glass" ahead of the front door roll down windows.

The windows shall be mounted within the frame of the front doors trimmed with a black anodized ring on the exterior.

GLASS TINT FRONT DOOR

The windows located in the left and right front doors shall include a dark gray automotive tint which shall allow forty-five percent (45%) light transmittance. The dark tint shall aid in cab cooling and help protect passengers from radiant solar energy.

GLASS REAR DOOR RH

The rear right hand side crew door shall include a window which is 27.00 inches in width X 26.00 inches in height. The window shall be a powered type and shall be controlled by a switch on the door panel ledge and on the driver's control panel.

GLASS TINT REAR DOOR RIGHT HAND

The window located in the right hand side rear window shall include a dark gray automotive tint which shall allow forty-five percent (45%) light transmittance. The dark tint shall aid in cab cooling and help protect passengers from radiant solar energy.

GLASS REAR DOOR LH

The rear left hand side crew door shall include a window which is 27.00 inches in width X 26.00 inches in height. The window shall be a powered type and shall be controlled by a switch on the door panel ledge and on the driver's control panel.

GLASS TINT REAR DOOR LEFT HAND

The window located in the left hand side rear door shall include a dark gray automotive tint which shall allow forty-five percent (45%) light transmittance. The dark tint shall aid in cab cooling and help protect passengers from radiant solar energy.

GLASS SIDE MID RH

The cab shall include a window on the right side behind the front and ahead of the crew door which shall measure 16.00 inches wide X 26.00 inches high. This window shall be fixed within this space and shall be rectangular in shape. The window shall be mounted using self-locking window rubber. The glass utilized for this window shall include a green automotive tint unless otherwise noted.

GLASS TINT SIDE MID RIGHT HAND

The window located on the right hand side of the cab between the front and rear doors shall include a dark gray automotive tint which shall allow forty-five percent (45%) light transmittance. The dark tint shall aid in cab cooling and help protect passengers from radiant solar energy.

GLASS SIDE MID LH

The cab shall include a window on the left side behind the front door and ahead of the crew door and above the wheel well which shall measure 16.00 inches wide X 26.00 inches high. This window shall be fixed within this space and shall be rectangular in shape. The window shall be mounted using self-locking window rubber. The glass utilized for this window shall include a green automotive tint unless otherwise noted.

GLASS TINT SIDE MID LEFT HAND

The window located on the left hand side of the cab between the front and rear doors shall include a dark gray automotive tint which shall allow forty-five percent (45%) light transmittance. The dark tint shall aid in cab cooling and help protect passengers from radiant solar energy.

CLIMATE CONTROL

A ceiling mounted combination defroster and cabin heating and air conditioning system shall be located above the engine tunnel area. The system covers and plenums shall be of severe duty design made of aluminum which shall be coated with a customer specified interior paint. The design of the system's covers shall provide quick access to washable air intake filters as well as easy access to other serviceable items.

The air delivery plenums provide targeted airflow directly to the vehicle occupants. Six (6) adjustable louvers will provide comfort for the front seat occupants and ten (10) adjustable louvers will provide comfort for the rear crew occupants.

The system shall be capable of producing up to 12 FPM of air velocity at all occupant seating positions. Separate front and rear blower motors shall be of brushless design and shall be controlled independently. It shall be capable of reducing the interior cabin air temperature from 122˚ F (+/- 3˚ F) to 80˚ F in thirty minutes with 50% relative humidity and full solar load as described in SAE J2646.

The system shall also provide heater pull up performance which meets or exceeds the performance requirements of SAE J1612 as well as defrost performance that meets or exceeds the performance requirements of SAE J381.

A gravity drain system shall be provided that is capable of evacuating condensate from the vehicle while on a slope of up to a 13% grade in any direction.

The air conditioning system plumbing shall be a mixture of custom bent zinc coated steel fittings and Aeroquip flexible hose with Aeroquip EZ-Clip fittings.

The overhead heater/defroster plumbing shall include an electronic flow control valve that re-directs hot coolant away from the evaporator, via a bypass loop, as the temperature control is moved toward the cold position.

Any component which needs to be accessed to perform system troubleshooting shall be accessible by one person using basic hand tools. Regularly serviced items shall be replaceable by one person using basic hand tools.

The chassis manufacturer recommends that the overall climate system performance be based off third-party testing in accordance with the Society of Automotive Engineering standards as a complete system.

Individual component level BTU ratings is not an accurate indicator of the performance capability of the completed system. System individual component BTU ratings:

- Air conditioning evaporator total BTU/HR: 82,000
- Air conditioning condenser total BTU/HR: 59,000
- Heater coil total BTU/HR: 98,000

Performance data specified is based on testing performed by an independent third-party test facility using a medium four-door 10" raised roof cab equipped with an ISL engine.

CLIMATE CONTROL DRAIN

The climate control system shall include a gravity drain for water management. The gravity drain shall remove condensation from the air conditioning system without additional mechanical assistance. Drain tubes located on the left and right side of the air conditioning system shall run outward towards the cab wall and down thru the cab floor near the "B" pillar area to assist with the removal of condensation.

CLIMATE CONTROL ACTIVATION

The heating, defrosting and air conditioning controls shall be in the center dash center switch panel, in a position which is easily accessible to the driver. The climate control shall be activated by a rotary switch.

HVAC OVERHEAD COVER PAINT

The overhead HVAC cover shall be painted with a multi-tone onyx black texture finish.

A/C CONDENSER LOCATION

A roof mounted A/C condenser shall be installed on the left side of the cab, mid-roof.

A/C COMPRESSOR

The air-conditioning compressor shall be a belt driven, engine mounted compressor. The compressor shall be compatible with R134-a refrigerant.

The chassis manufacturer recommends that the overall climate system performance be based off third-party testing in accordance with the Society of Automotive Engineering standards as a complete system.

Individual component level ratings are not an accurate indicator of the performance capability of the completed system.

Refrigerant Compressor displacement: 19.1 cubic inches per revolution.

UNDER CAB INSULATION

The underside of the cab tunnel surrounding the engine shall be lined with multi-layer insulation, engineered for application inside diesel engine compartments.

The insulation shall act as a noise barrier, absorbing noise thus keeping the decibel level in the cab well within NFPA recommendations. As an additional benefit, the insulation shall assist in sustaining the desired temperature within the cab interior.

The engine tunnel insulation shall measure approximately 0.30 inch thick including a multi-layer foil faced glass cloth and polyester fiber layer.

The foil surface acts as protection against heat, moisture and other contaminants. The insulation shall meet or exceed FMVSS 302 flammability test.

The cab floor insulation shall measure 0.56 inch thick including a 1.0#/sf PVC barrier and a moisture and heat reflective foil facing, reinforced with fiberglass strands. The foil surface acts as protection against moisture and other contaminants. The insulation shall meet or exceed MVSS 302 flammability test.

The insulation shall be cut precisely to fit each section and sealed for additional heat and sound deflection. The insulation shall be held in place by acrylic pressure sensitive adhesive. In addition, the insulation shall have an expanded aluminum overlay installed to assist in retaining the insulation tight against the engine tunnel surfaces and the underside of the cab floor. The cab floor overlay shall use aluminum pins with hard hat, hold in place fastening heads.

INTERIOR TRIM FLOOR MAT

The floor of the cab shall be covered with a multi-layer mat consisting of 0.25 inch thick sound absorbing closed cell foam with a 0.06 inch thick non-slip vinyl surface with a pebble grain finish. The covering shall be held in place by a pressure sensitive adhesive.

The floor shall have an overlay of 3003-H22 aluminum tread plate which shall feature a bedliner spray on bedliner coating. The aluminum plate shall be held down with screws and shall feature a flange wrapping downward into each stepwell, eliminating the need for any additional trim

where the cab floor and the step wells meet. All exposed seams shall be sealed with silicone caulk matching the color of the floor mat to reduce the chance of moisture and debris retention.

INTERIOR TRIM

The cab interior shall include trim on the front ceiling, rear crew ceiling, and the cab walls. It shall be easily removable to assist in maintenance. The trim shall be constructed of insulated vinyl over a hard board backing.

REAR WALL INTERIOR TRIM

The rear wall of the cab shall be trimmed with vinyl.

HEADER TRIM

The cab interior shall feature header trim over the driver and officer dash constructed of 5052-H32 Marine Grade, 0.13 inch thick aluminum.

TRIM CENTER DASH

The main center dash area shall be constructed of 5052-H32 Marine Grade, 0.13 inch thick aluminum plate. There shall be four (4) holes located on the top of the dash near each outer edge of the electrical access cover for ventilation. The center dash electrical access cover shall include a gas cylinder stay which shall hold the cover open during maintenance.

TRIM LH DASH

The left hand dash shall be constructed of 5052-H32 Marine Grade, 0.13 inch thick aluminum plate for a perfect fit around the instrument panel. For increased occupant protection the extreme duty left hand dash utilizes patent pending break away technology to reduce rigidity in the event of a frontal crash. The left hand dash shall offer lower vertical surface area to the left and right of the steering column to accommodate control panels.

TRIM RH DASH

The right hand dash shall be constructed of 5052-H32 Marine Grade, 0.13 of an inch thick aluminum plate and shall include a glove compartment with a hinged door and a Mobile Data Terminal (MDT) provision. The glove compartment size will measure 14.00 inches wide X 6.38 inches high X 5.88 inches deep. The MDT provision shall be provided above the glove compartment.

ENGINE TUNNEL TRIM

The cab engine tunnel shall be covered with a multi-layer mat consisting of 0.25 inch closed cell foam with a 0.06 inch thick non-slip vinyl surface with a pebble grain finish. The mat shall be held in place by pressure sensitive adhesive. The engine tunnel mat shall be trimmed with anodized aluminum stair nosing trim for an aesthetically pleasing appearance.

POWER POINT DASH MOUNT

The cab shall include two (2) dual universal serial bus (USB) charging receptacles in the cab dash switch panel to provide a power source for USB chargeable electrical equipment. Each dual USB receptacle shall include two ports and shall be capable of up to a 5 Volt 2.1 amp output. Port 1 is optimized for fast charging at 1 amp. Port 2 is optimized for fast charging up to 2.1 amps, when used individually. The receptacles shall be wired battery direct.

STEP TRIM

Each cab entry door shall include a three step entry. The first step closest to the ground shall be constructed of SAE 304 stainless steel with embossed perforations and diamond shaped cutout. The perforations and cutouts shall allow water and other debris to flow through rather than becoming trapped within the stepping surface. The step shall feature a splash guard to reduce water and debris from splashing in to the step. The splash guard shall have drainage holes beneath the back of the step to allow debris and water to flow through rather than becoming trapped within the stepping surface. The stainless steel material shall have a number 8 mirror finish. The lower step shall be mounted to a frame which is integral with the construction of the cab for rigidity and strength. The middle step shall be integral with the cab construction and shall be trimmed in 0.08 inch thick 3003-H22 embossed aluminum tread plate.

UNDER CAB ACCESS DOOR

The cab shall include an aluminum access door in the left crew step riser painted to match the cab interior paint with a push and turn latch. The under cab access door shall provide access to the diesel exhaust fluid fill.

INTERIOR DOOR TRIM

The interior trim on the doors of the cab shall consist of an aluminum panel constructed of Marine Grade 5052-H32 0.13 of an inch thick aluminum plate. The door panels shall include a painted finish.

DOOR TRIM CUSTOMER NAMEPLATE

The interior door trim on the front doors shall include a customer nameplate which states the vehicle was custom built for their Department.

CAB DOOR TRIM REFLECTIVE

The interior of each door shall include high visibility reflective tape. A white reflective tape shall be provided vertically along the rear outer edge of the door. The lowest portion of each door skin shall include a reflective tape chevron with red and white stripes and a Spartan logo. The chevron tape shall measure 6.00 inches in height.

INTERIOR GRAB HANDLE "A" PILLAR

There shall be two (2) rubber covered 11.00 inch grab handles installed inside the cab, one on each “A” post at the left and right door openings. The left handle shall be located 7.88 inches above the bottom of the door window opening and the right handle shall be located 2.88 inches

above the bottom of the door window opening. The handles shall assist personnel in entering and exiting the cab.

INTERIOR GRAB HANDLE FRONT DOOR

Each front door shall include one (1) ergonomically contoured 9.00 inch cast aluminum handle mounted horizontally on the interior door panels. The handles shall feature a DA sand finish to assist personnel entering and exiting the cab.

INTERIOR GRAB HANDLE REAR DOOR

A DA sanded cast aluminum assist handle shall be provided on the inside of each rear crew door. A 30.00 inch long handle shall extend horizontally the width of the window just above the window sill. The handle shall assist personnel in exiting and entering the cab.

INTERIOR SOFT TRIM COLOR

The cab interior soft trim surfaces shall be black in color.

INTERIOR TRIM SUNVISOR

The header shall include two (2) sun visors, one each side forward of the driver and officer seating positions above the windshield. Each sun visor shall be constructed of Masonite and covered with padded vinyl trim.

INTERIOR FLOOR MAT COLOR

The cab interior floor mat shall be black in color.

CAB PAINT INTERIOR DOOR TRIM

The inner door panel surfaces shall be painted with multi-tone onyx black texture finish.

HEADER TRIM INTERIOR PAINT

The metal surfaces in the header area shall be coated with multi-tone onyx black texture finish.

TRIM CENTER DASH INTERIOR PAINT

The entire center dash shall be coated with multi-tone onyx black texture finish. Any accessory pods attached to the dash shall also be painted this color.

TRIM LH DASH INTERIOR PAINT

The left hand dash shall be painted with a multi-tone onyx black texture finish.

TRIM RIGHT HAND DASH INTERIOR PAINT

The right hand dash shall be painted with multi-tone onyx black texture finish.

FLOOR INTERIOR PAINT

The metal surfaces on the floor of the cab shall feature a black spray on bedliner coating.

DASH PANEL GROUP

The main center dash area shall include three (3) removable panels located one (1) to the right of the driver position, one (1) in the center of the dash and one (1) to the left of the officer position. The center panel shall be within comfortable reach of both the driver and officer.

SWITCHES CENTER PANEL

The center dash panel shall include five (5) rocker switch positions in a single row configuration in the center panel and one (1) switch in the panel in customer specified location.

A rocker switch with a blank legend installed directly above shall be provided for any position without a switch and legend designated by a specific option. The non-specified switches shall be two-position, black switches with a green indicator light. Each blank switch legend can be custom engraved by the body manufacturer. All switch legends shall have backlighting provided.

SWITCHES LEFT PANEL

The left dash panel shall include five (5) switches. There shall be three (3) across the top of the panel with two (2) below. Two (2) of the top row of switches shall be rocker type and the left one (1) shall be the windshield wiper/washer control switch. The lower switches shall be a rocker type switch.

A rocker switch with a blank legend installed directly above shall be provided for any position not designated by a specific option. The non-designated switches shall be two-position, black switches with a green indicator light. Each blank switch legend can be custom engraved by the body manufacturer. All switch legends shall have backlighting provided.

SWITCHES RIGHT PANEL

The right dash panel shall include no rocker switches or legends.

SEAT BELT WARNING

A Weldon seat belt warning system, integrated with the Vehicle Data Recorder system, shall be installed for each seat within the cab. The system shall provide a visual warning indicator in the Vista display and control screen(s).

The warning system shall activate when any seat is occupied with a minimum of 60 pounds, the corresponding seat belt remains unfastened, and the park brake is released.

The warning system shall also activate when any seat is occupied, the corresponding seat belt was fastened in an incorrect sequence, and the park brake is released. Once activated, the visual indicators and applicable audible alarm shall remain active until all occupied seats have the seat belts fastened.

SEAT MATERIAL

The Bostrom Firefighter seats shall include a covering of extra high strength, tear resistant, and waterproof fabric made of durable Durawear Plus™ 1800 denier ballistic polyester. A PVC coating shall be bonded to the back side of the material to help protect the seats from UV rays and from being saturated or contaminated by fluids. Durawear Plus shall include low seam stitching to eliminate seam wear. Durawear Plus™ meets or exceeds specification of the common trade name Imperial 1800. The material meets FMVSS 302 flammability requirements.

Seats shall be Foam Block™ encapsulated foam with Zip Clean covers. The encapsulated Foam Block™ feature shall resist gas and liquid absorption in the cushion. Seat cushions, head rest and side bolsters shall zip off using a heavy duty skirted zipper to allow for quick removal and easy cleaning. All Zip off covers are designed for machine washing and air drying.

One (1) extra seat cushion and applicable back cover(s) shall be provided per seating position.

If applicable, Theatre style seats located in the cab shall be high strength, wear resistant fabric made of durable ballistic polyester. A PVC coating shall be bonded to the back side of the material to help protect the seats from UV rays and from being saturated or contaminated by fluids. Common trade names for this material are Imperial 1200 and Durawear.

SEAT COLOR

All seats supplied with the chassis shall be black in color. All seats shall include red seat belts.

SEAT BACK LOGO

The seat back shall include the “Spartan” logo. The logo shall be centered on the standard headrest of the seat back and on the left side of a split headrest.

SEAT DRIVER

The driver's seat shall be an H.O. Bostrom 500 Series Firefighter Sierra model seat. The seat shall feature eight-way electric positioning. The eight positions shall include up and down, fore and aft with 8.00 inches of travel, back angle adjustment and seat rake adjustment. The seat shall feature integral springs to isolate shock.

The seat shall feature an all belts to seat (ABTS) style of safety restraint. The ABTS feature shall include a three-point shoulder harness with the lap belt, automatic retractor and buckle as an integral part of the seat assembly. The ABTS feature shall also include the RiteHite™ shoulder adjustment feature to provide enhanced comfort and safety by allowing customized seat belt fit.

The minimum vertical dimension from the seat H-point to the ceiling for this belted seating position shall be 35.00 inches measured with the seat height adjusted to the lowest position of travel.

This model of seat shall have successfully completed the static load tests set forth by FMVSS 207, 209, and 210 in effect at the time of manufacture. This testing shall include a simultaneous forward load of 3000 pounds each on the lap and shoulder belts and twenty (20) times the weight through the center of gravity.

The materials used in construction of the seat shall also have successfully completed testing with regard to the flammability of materials used in the occupant compartments of motor vehicles as outlined in FMVSS 302, of which dictates the allowable burning rate of materials in the occupant compartments of motor vehicles.

SEAT BACK DRIVER

The driver's seat shall include a standard seat back incorporating the all belts to seat feature (ABTS). The seat back shall feature a contoured head rest.

SEAT MOUNTING DRIVER

The driver's seat shall be installed in an ergonomic position in relation to the cab dash.

ADDITIONAL SEAT COVER DRIVER

One (1) set of additional seat cushion and seat back covers shall be provided for the driver's position. The seat back cover shall either be a single piece for non-SCBA backs or a set of covers for bolsters and head cushions around the SCBA backs, dependent on seat back style.

SEAT OFFICER

The officer's seat shall be a H.O. Bostrom 500 Series Sierra seat model. The seat shall feature a tapered and padded seat, and cushion. The seat shall be mounted in a fixed position.

The seat shall feature an all belts to seat (ABTS) style of safety restraint. The ABTS feature shall include a three-point shoulder harness with the lap belt and automatic retractor as an integral part of the seat assembly. The buckle portion of the seat belt shall extend from the seat base towards the driver position within easy reach of the occupant. The ABTS feature shall also include the RiteHite™ shoulder adjustment feature to provide enhanced comfort and safety by allowing customized seat belt fit.

The minimum vertical dimension from the seat H-point to the ceiling for this belted seating position shall be 35.00 inches.

This model of seat shall have successfully completed the static load tests by FMVSS 207/210. This testing shall include a simultaneous forward load of 3000 pounds each on the lap and shoulder belts and twenty (20) times the weight through the center of gravity. This model of seat installed in the cab model, as specified, shall have successfully completed the dynamic sled testing using FMVSS 208 as a guide with the following accommodations. In order to reflect the larger size outfitted firefighters, the test dummy used shall be a 95th percentile hybrid III male weighing 225 pounds rather than the 50th percentile male dummy weighing 165 pounds as referenced in FMVSS 208. The model of seats shall also have successfully completed the flammability of materials used in the occupant compartments of motor vehicles as outlined in FMVSS 302, of which decides the burning rate of materials in the occupant compartments of motor vehicles.

SEAT BACK OFFICER

The officer's seat back shall include an IMMI brand SmartDock® Gen 2 hands-free self-contained breathing apparatus (SCBA) holder. The hands-free holder shall meet NFPA 1901-03 9G

dynamic requirements for cylinder restraint systems for use in crew compartments of emergency response vehicles. The bracket shall accommodate and secure most types of self-contained breathing apparatus cylinders.

The hands-free holder shall consist of a back plate, bottom cradle, non-marring top claws, and claw height adjustment knob. The height adjustment knob shall allow for easy adjustment of the claws to the SCBA. The hands-free holder's claws shall lock from inertial forces to prevent the SCBA from becoming a projectile in the event of a crash to meet the NFPA 1901-03 standard for SCBA retention. The SCBA holder shall offer single-motion insertion into the claws and hands-free release when the SCBA fitted seat occupant rises.

The seat back shall include a removable padded cover which shall be provided over the SCBA cavity.

SEAT MOUNTING OFFICER

The officer's seat shall be installed in an ergonomic position in relation to the cab dash.

ADDITIONAL SEAT COVER OFFICER

One (1) set of additional seat cushion and seat back covers shall be provided for the officer's position. The seat back cover shall either be a single piece for non-SCBA backs or a set of covers for bolsters and head cushions around the SCBA backs, dependent on seat back style.

POWER SEAT WIRING

The power seat or seats installed in the cab shall be wired directly to battery power.

SEAT BELT ORIENTATION CREW

The crew position seat belts shall follow the standard orientation which extends from the outboard shoulder extending to the inboard hip.

SEAT REAR FACING OUTER LOCATION

The crew area shall include two (2) rear facing crew seats, which include one (1) located directly behind the left side front seat and one (1) located directly behind the right side front seat.

SEAT CREW REAR FACING OUTER

The crew area shall include a seat in the rear facing outboard position which shall be a H.O. Bostrom 500 Series Firefighter model seat. The seat shall feature a tapered and padded seat, and cushion. The seat and cushion shall be spring load hinged and compact in design for additional room. The seat shall include a "Fold and Hold" feature so that the cushion shall remain in the seated position and simply touched to flip up.

The seat shall feature an all belts to seat (ABTS) style of safety restraint. The ABTS feature shall include a three-point shoulder harness with the lap belt and automatic retractor as an integral part of the seat assembly. The buckle portion of the seat belt shall extend from the seat base towards the driver position within easy reach of the occupant. The ABTS feature shall also include the

RiteHite™ shoulder adjustment feature to provide enhanced comfort and safety by allowing customized seat belt fit.

The minimum vertical dimension from the seat H-point to the ceiling for each belted seating position shall be 35.00 inches.

This model of seat shall have successfully completed the static load tests by FMVSS 207/210. This testing shall include a simultaneous forward load of 3000 pounds each on the lap and shoulder belts and twenty (20) times the weight through the center of gravity. This model of seat installed in the cab model, as specified, shall have successfully completed the dynamic sled testing using FMVSS 208 as a guide with the following accommodations. In order to reflect the larger size outfitted firefighters, the test dummy used shall be a 95th percentile hybrid III male weighing 225 pounds rather than the 50th percentile male dummy weighing 165 pounds as referenced in FMVSS 208. The model of seats shall also have successfully completed the flammability of materials used in the occupant compartments of motor vehicles as outlined in FMVSS 302, of which decides the burning rate of materials in the occupant compartments of motor vehicles.

SEAT BACK REAR FACING OUTER

The crew area seat backs shall include an IMMI brand SmartDock® Gen 2 hands-free self-contained breathing apparatus (SCBA) holder. The hands-free holder shall meet NFPA 1901-03 9G dynamic requirements for cylinder restraint systems for use in crew compartments of emergency response vehicles. The bracket shall accommodate and secure most types of self-contained breathing apparatus cylinders.

The hands-free holder shall consist of a back plate, bottom cradle, non-marring top claws, and claw height adjustment knob. The height adjustment knob shall allow for easy adjustment of the claws to the SCBA. The hands-free holder's claws shall lock from inertial forces to prevent the SCBA from becoming a projectile in the event of a crash to meet the NFPA 1901-03 standard for SCBA retention. The SCBA holder shall offer single-motion insertion into the claws and hands-free release when the SCBA fitted seat occupant rises.

The seat back shall include a removable padded cover which shall be provided over the SCBA cavity.

SEAT MOUNTING REAR FACING OUTER

The rear facing outer seats shall offer special mounting positions which shall be 2.00 inches towards the rear wall offering additional space between the front seats and the outer rear facing seats.

ADDITIONAL SEAT COVER RFO

One (1) set of additional seat cushion and seat back covers shall be provided for each rear facing outer position. The seat back cover shall either be a single piece for non-SCBA backs or a set of covers for bolsters and head cushions around the SCBA backs, dependent on seat back style in each position.

SEAT FORWARD FACING CENTER LOCATION

The crew area shall include two (2) forward facing center crew seats with both located at the center of the rear wall.

SEAT CREW FORWARD FACING CENTER

The forward facing center seat shall be a H.O. Bostrom 500 Series Firefighter model seat. The seat shall feature a tapered and padded seat, and cushion. The seat shall be mounted in a fixed position. The seat and cushion shall be hinged and compact in design for additional room. The seat shall include a “Fold and Hold” feature so that the cushion shall remain in the seated position and simply touched to flip up.

The seat shall feature an all belts to seat (ABTS) style of safety restraint. The ABTS feature shall include a three-point shoulder harness with the lap belt and automatic retractor as an integral part of the seat assembly. The buckle portion of the seat belt shall extend from the seat base towards the driver position within easy reach of the occupant. The ABTS feature shall also include the RiteHite™ shoulder adjustment feature to provide enhanced comfort and safety by allowing customized seat belt fit.

The minimum vertical dimension from the seat H-point to the ceiling for each belted seating position shall be 35.00 inches.

This model of seat shall have successfully completed the static load tests by FMVSS 207/210. This testing shall include a simultaneous forward load of 3000 pounds each on the lap and shoulder belts and twenty (20) times the weight through the center of gravity. This model of seat installed in the cab model, as specified, shall have successfully completed the dynamic sled testing using FMVSS 208 as a guide with the following accommodations. In order to reflect the larger size outfitted firefighters, the test dummy used shall be a 95th percentile hybrid III male weighing 225 pounds rather than the 50th percentile male dummy weighing 165 pounds as referenced in FMVSS 208. The model of seats shall also have successfully completed the flammability of materials used in the occupant compartments of motor vehicles as outlined in FMVSS 302, of which decides the burning rate of materials in the occupant compartments of motor vehicles.

SEAT BACK FORWARD FACING CENTER

The crew area seat backs shall include an IMMI brand SmartDock® Gen 2 hands-free self-contained breathing apparatus (SCBA) holder. The hands-free holder shall meet NFPA 1901-03 9G dynamic requirements for cylinder restraint systems for use in crew compartments of emergency response vehicles. The bracket shall accommodate and secure most types of self-contained breathing apparatus cylinders.

The hands-free holder shall consist of a back plate, bottom cradle, non-marring top claws, and claw height adjustment knob. The height adjustment knob shall allow for easy adjustment of the claws to the SCBA. The hands-free holder's claws shall lock from inertial forces to prevent the SCBA from becoming a projectile in the event of a crash to meet the NFPA 1901-03 standard for SCBA retention. The SCBA holder shall offer single-motion insertion into the claws and hands-free release when the SCBA fitted seat occupant rises.

The seat back shall include a removable padded cover which shall be provided over the SCBA cavity.

ADDITIONAL SEAT COVER FFC

One (1) set of additional seat cushion and seat back covers shall be provided for each forward-facing center position. The seat back cover shall either be a single piece for non-SCBA backs or a set of covers for bolsters and head cushions around the SCBA backs, dependent on seat back style in each position.

SEAT FRAME FORWARD FACING

The forward facing crew area seating positions shall include a full width, integrated seat mounting surface which shall be the lower interior surface of the rear cab roof modification extension. The seat mounting area shall span the full width of the cab and the full depth of the cab roof modification extension. The seat mounting area shall be painted with the same color as the remaining interior of the cab.

SEAT MOUNTING FORWARD FACING CENTER

The forward facing center seats shall be installed facing the front of the cab.

CAB FRONT UNDERSEAT STORAGE ACCESS

The left and right under seat storage areas shall have a solid aluminum hinged door with non-locking latch.

SEAT COMPARTMENT DOOR FINISH

All underseat storage compartment access doors shall have a multi-tone onyx black texture finish.

WINDSHIELD WIPER SYSTEM

The cab shall include a triple arm linkage wiper system which shall clear the windshield of water, ice and debris. There shall be two (2) windshield wipers; each shall be affixed to a radial arm. The wiper motor shall be activated by an intermittent wiper control located within easy reach of the driver's position. The windshield wipers shall be interlocked with the park brake allowing activation only when the park brake is released.

There shall be virtual button on the Vista display and control screen to override the park brake deactivation. This will reset when the park brake is cycled.

ELECTRONIC WINDSHIELD FLUID LEVEL INDICATOR

The windshield washer fluid level shall be monitored electronically. When the washer fluid level becomes low the yellow "Check Message Center" indicator light on the instrument panel shall illuminate and the message center in the dual air pressure gauge shall display a "Check Washer Fluid Level" message.

CAB DOOR HARDWARE

The cab entry doors shall be equipped with exterior pull handles, suitable for use while wearing firefighter gloves. The handles shall be made of aluminum with a chrome plated finish.

The interior exit door handles shall be flush paddle type with a black finish, which are incorporated into the upper door panel.

All cab entry doors shall include locks which are keyed alike. The door locks shall be designed to prevent accidental lockout.

The exterior pull handles shall include a scuff plate behind the handle constructed of polished stainless steel to help protect the cab finish.

DOOR LOCKS

Each cab entry door shall include a manually operated door lock. Each door lock may be actuated from the inside of the cab by means of a red knob located on the paddle handle of the respective door or by using a TriMark key from the exterior. The door locks are designed to prevent accidental lock out.

GRAB HANDLES

The cab shall include one (1) 18.00 inch three-piece knurled aluminum anti-slip exterior grab handle behind each cab door. The Hansen Anti-Slip Rails shall be mounted in bright anodized aluminum 4000 Series II stanchions, complete with weep holes to prevent the buildup of moisture.

The grab rails shall include red reflective tape.

LIGHTED GRAB HANDLES

The grab rails shall include a 12 volt, 17.00 inch long clear LED light to provide an increased margin of safety for nighttime cab entry and egress.

AUXILIARY GRAB HANDLE

There shall be a 7.00 inch molded stainless steel grab handle with a bright finish attached to the front fascia of the cab in the center below the windshield.

REARVIEW MIRRORS

Retrac Aerodynamic West Coast style dual vision mirror heads model 613315 shall be provided and installed each of the front cab doors.

The mirrors shall be mounted via 1.00 inch diameter tubular stainless steel arms to provide a rigid mounting to reduce vibration.

The mirrors shall measure 8.00 inches wide X 19.00 inches high and shall include an integral convex mirror in the mirror head below the flat glass to provide wider field of vision. The flat and convex mirrors shall be motorized with remote horizontal and vertical adjustment. The control

switches shall be mounted within easy reach of the driver. The flat and convex mirrors shall be heated for defrosting in severe cold weather conditions.

The mirror backs shall be constructed of vacuum formed chrome plated ABS plastic housings that are corrosion resistant and shall include an amber marker light. The mirrors shall be manufactured with the finest quality non-glare glass.

REARVIEW MIRROR HEAT SWITCH

The heat for the rearview mirrors shall be controlled through a virtual button on the Vista display and control screen.

EXTERIOR TRIM REAR CORNER

There shall be mirror finish stainless steel scuff plates on the outside corners at the back of the cab. The stainless steel plate shall be affixed to the cab using two sided adhesive tape.

CAB FENDER

Full width wheel well liners shall be installed on the extruded cab to limit road splash and enable easier cleaning. Each two-piece liner shall consist of an inner liner 16.00 inches wide made of vacuum formed ABS composite and an outer fenderette 3.50 inches wide made of SAE 304 polished stainless steel.

MUD FLAPS FRONT

The front wheel wells shall have mud flaps installed on them.

CAB EXTERIOR FRONT & SIDE EMBLEMS

The cab shall include three (3) Spartan emblems. There shall be one (1) installed on the front air intake grille and one (1) emblem on each of the cab sides. The cab shall also include one (1) Advanced Protection System shield emblem on each front door.

IGNITION

A master battery system with a keyless start ignition system shall be provided. Each system shall be controlled by a one-quarter turn Cole Hersee switch, both of which shall be mounted to the left of the steering wheel on the dash. A chrome push type starter button shall be provided adjacent to the master battery and ignition switches.

Each switch shall illuminate a green LED indicator light on the dash when the respective switch is placed in the “ON” position.

The starter button shall only operate when both the master battery and ignition switches are in the “ON” position.

BATTERY

The single start electrical system shall include six (6) Harris BCI 31 925 CCA batteries with a 210 minute reserve capacity and 4/0 welding type dual path starter cables per SAE J541.

BATTERY TRAY

The batteries shall be installed within two (2) steel battery trays located on the left side and right side of the chassis, securely bolted to the frame rails. The battery trays shall be coated with the same material as the frame.

The battery trays shall include drain holes in the bottom for sufficient drainage of water. A durable, non-conducting, interlocking mat made by Dri-Dek shall be installed in the bottom of the trays to allow for air flow and help prevent moisture build up. The batteries shall be held in place by non-conducting phenolic resin hold down boards.

BATTERY BOX COVER

Each battery box shall include a steel cover which protects the top of the batteries. Each cover shall include flush latches which shall keep the cover secure as well as a black powder coated handle for convenience when opening.

BATTERY CABLE

The starting system shall include cables which shall be protected by 275 degree F. minimum high temperature flame retardant loom, sealed at the ends with heat shrink and sealant.

BATTERY JUMPER STUD

The starting system shall include battery jumper studs. These studs shall be located in the forward most portion of the driver's side lower step, 8.00 inches apart. The studs shall allow the vehicle to be jump started, charged, or the cab to be raised in an emergency in the event of battery failure.

ALTERNATOR

The charging system shall include a 320 amp Leece-Neville 12 volt alternator. The alternator shall include a self-exciting integral regulator.

STARTER MOTOR

The single start electrical system shall include a Delco brand starter motor.

BATTERY CONDITIONER

A Kussmaul Auto Charge 40 LPC battery conditioner shall be supplied. The battery conditioner shall provide a 40 amp output for the chassis batteries and a 15 amp output circuit for accessory loads. The battery conditioner shall be mounted in the cab in the LH rear facing outer seating position.

BATTERY CONDITIONER DISPLAY

A Kussmaul battery conditioner display shall be supplied. The battery conditioner display shall be mounted in the cab, viewable through the cab mid side window behind the left front door.

AUXILIARY AIR COMPRESSOR

A Kussmaul Pump 12V air compressor shall be supplied. The air compressor shall be installed behind the driver's seat. The air compressor shall be plumbed to the air brake system to maintain air pressure.

ELECTRICAL INLET LOCATION

An electrical inlet shall be installed on the left hand side of cab over the wheel well.

ELECTRICAL INLET

A Kussmaul 20 amp super auto-eject electrical receptacle shall be supplied. It shall automatically eject the plug when the starter button is depressed.

A single item or an addition of multiple items must not exceed the rating of the electric inlet that it's connected to.

Amp Draw Reference List:
Kussmaul 40 LPC Charger - 5 Amps
Kussmaul 40/20 Charger - 8.5 Amps
Kussmaul 80 LPC Charger - 13 Amps
Kussmaul EV-40 - 6.2 Amps
Blue Sea P12 7532 - 7.5 Amps
Iota DLS-45/IQ4 - 11 Amps
1000W Engine Heater - 8.33 Amps
1500W Engine Heater - 12.5 Amps
120V Air Compressor - 4.2 Amps
120V Dometic HVAC - 15 Amps

ELECTRICAL INLET CONNECTION

The electrical inlet shall be connected to the battery conditioner.

ELECTRICAL INLET COLOR

The electrical inlet connection shall include a red cover.

HEADLIGHTS

The cab front shall include two (2) FireTech rectangular LED headlamps with high/low beam in the same housing and two (2) separate FireTech LED high beam only headlamps mounted in bright chrome bezels.

HEADLIGHT LOCATION

The headlights shall be located on the front fascia of the cab directly below the front warning lights.

FRONT TURN SIGNALS

The front fascia shall include two (2) Whelen model M6 4.00 inch X 6.00 inch amber LED turn signals which shall be installed in a chrome radius mount housing above and outboard of the front warning and head lamps.

SIDE TURN/MARKER LIGHTS

The sides of the cab shall include two (2) Tecniq S170 LED side marker lights which shall be provided just behind the front cab radius corners. The lights shall be amber with chrome bezels.

MARKER AND ICC LIGHTS

In accordance with FMVSS, there shall be five (5) Tecniq S170 LED cab marker lamps designating identification, center and clearance provided. These lights shall be installed on the face of the cab within full view of other vehicles from ground level. The lights shall be amber with chrome bezels.

HEADLIGHT AND MARKER LIGHT ACTIVATION

The headlights and marker lights shall be controlled via a virtual button on the Vista display. The rotary/joystick control of the Graphical Instrument Cluster shall function as a dimmer to adjust the brightness of the dash lights. The headlamps shall be equipped with the "Daytime Running" light feature, which shall illuminate the headlights when the ignition switch is in the "On" position and the parking brake is released.

LIGHTBAR SWITCH

The light bar shall be controlled through a virtual button on the Vista display and control screen. There shall be an additional button located on the Vista display and control screen to control the clear lights.

INTERIOR OVERHEAD LIGHTS

The cab shall include a LED dome lamp located over each door. The lights shall include push switches on each lamp to activate both the clear and red portions of the light individually.

INTERIOR OVERHEAD LIGHTS ACTIVATION

The clear portion of each lamp shall be activated by opening the respective door and via the multiplex display.

LIGHTBAR PROVISION

There shall be two (2) light bars installed on the cab roof. The light bars shall be provided and installed by the chassis manufacturer. The light bar installation shall include mounting and wiring to a control switch on the cab dash.

CAB FRONT LIGHTBAR MODEL

The cab shall be provided with two (2) Whelen model F4NMINI light bars. Each light bar shall be 21.50 inches in length and feature eight (8) customizable pods.

See the light bar layout for specific details.

FRONT SCENE LIGHTS

The front of the cab shall include two (2) HiViz model Firetech FT-MB-12-FT-W scene lights installed on the brow of the cab.

Each lamp head shall operate on 12 volt DC and incorporate a 12 LED optic that combines both spot and flood lighting. Each lamp head shall draw 5.0 amps, generate 6,336 total lumens, and measure approximately 2.00 inches in height X 16.00 inches in width. The lamp heads and brackets shall be powder coated white.

FRONT SCENE LIGHT LOCATION

There shall be two (2) scene lights mounted to the front brow of the cab in the outboard position centered over the outer front marker lights.

FRONT SCENE LIGHTS ACTIVATION

The front scene lighting shall be activated by a virtual button on the Vista display and control screen.

SIDE SCENE LIGHTS

The cab shall include two (2) Whelen M9 LED scene lights, one (1) each side which shall be surface mounted. The Whelen lights shall provide directional lighting from twenty four (24) Super-LEDs and a clear gradient lens. The scene light shall have specialized TIR optics for ideal scene illumination.

SIDE SCENE LIGHT LOCATION

The scene lighting located on the left and right sides of the cab shall be mounted in the upper forward portion of the cab between the front and rear crew doors.

SIDE SCENE ACTIVATION

The scene lights shall be activated by two (2) rocker switches located in the switch panel, one (1) for each light.

GROUND LIGHTS

Each door shall include a Tecniq T44 LED ground light mounted to the underside of the cab step below each door. The lights shall include a polycarbonate lens, a housing which is vibration welded and LEDs which shall be shock mounted for extended life.

GROUND LIGHTS

The ground lighting shall be activated when the parking brake is set, by the opening of the door on the respective cab side, and through a virtual button on the Vista display and control screen.

UNDER BUMPER LIGHTS

There shall be two (2) 4.00 inch round LED NFPA compliant light heads mounted under the bumper. The lights shall include a polycarbonate lens, a housing which is vibration welded, and LED's which shall be shock mounted for extended life. The under bumper ground lighting shall be activated with the park brake, when any cab door opens, or when the vehicle is placed in reverse.

LOWER CAB STEP LIGHTS

The middle step located at each door shall include a Tecniq T44 LED light which shall activate with the opening of the respective door. The lights shall include a polycarbonate lens, a housing which is vibration welded and LEDs which shall be shock mounted for extended life.

INTERMEDIATE STEP LIGHTS

The intermediate step well area at each door shall include a TecNiq D06 LED light within a chrome housing. The egress step lights shall provide visibility to the step well area for the first step exiting the vehicle. The egress step lights shall activate with entry step lighting.

MAP LIGHTS

A Roxter gooseneck style map light shall be provided. The light shall have a clear bulb and a control switch on the base. The light shall be located on the right hand side of the dash.

ENGINE COMPARTMENT LIGHT

There shall be a LED NFPA compliant light mounted under the engine tunnel for area work lighting on the engine. The light shall include a polycarbonate lens, a housing which is vibration welded and a bulb which shall be shock mounted for extended life. The light shall activate automatically when the cab is tilted.

DO NOT MOVE APPARATUS LIGHT

The front headliner of the cab shall include a flashing red TecNiq K50 LED light clearly labeled "Do Not Move Apparatus". In addition to the flashing red light, an audible alarm shall be included which shall sound while the light is activated.

The flashing red light shall be located centered left to right for greatest visibility.

The light and alarm shall be interlocked for activation when either a cab door is not firmly closed, or an apparatus compartment door is not closed, and the parking brake is released.

MASTER WARNING SWITCH

A master switch shall be included, as a virtual button on the Vista display and control screen which shall be labeled “E Master” for identification. The button shall feature control over all devices wired through it. Any warning device switches left in the “ON” position when the master switch is activated shall automatically power up.

HEADLIGHT FLASHER

An alternating high beam headlight flashing system shall be installed into the high beam headlight circuit which shall allow the high beams to flash alternately from left to right.

Deliberate operator selection of high beams will override the flashing function until low beams are again selected. Per NFPA, these clear flashing lights will also be disabled “On Scene” when the park brake is applied.

HEADLIGHT FLASHER SWITCH

The flashing headlights shall be activated through a virtual button on the Vista display and control screen.

INBOARD FRONT WARNING LIGHTS

The cab front fascia shall include two (2) Whelen M6 Super LED front warning lights in the left and right inboard positions. The lights shall feature multiple flash patterns including steady burn. The lights shall be mounted to the front fascia of the cab within a chrome bezel. The lights shall be programmed to emit the "PinWheel Variable" non-flashing pattern.

INBOARD FRONT WARNING LIGHTS COLOR

The warning lights mounted on the cab front fascia in the inboard positions shall be red with a clear lens.

OUTBOARD FRONT WARNING LIGHTS

The cab front fascia shall include two (2) Whelen M6 Super LED front warning lights in the left and right outboard positions. The lights shall feature multiple flash patterns including steady burn. The lights shall be mounted to the front fascia of the cab within a chrome bezel. The lights shall be programmed to emit the "PinWheel Variable" non-flashing pattern.

OUTBOARD FRONT WARNING LIGHTS COLOR

The warning lights mounted on the cab front fascia in the outboard position shall be red.

FRONT WARNING SWITCH

The front warning lights shall be controlled through a virtual control on the Vista display and control screen. This switch shall be clearly labeled for identification.

INTERSECTION WARNING LIGHTS

The chassis shall include two (2) Whelen M6 V-Series LED intersection warning lights with a chrome bezel, one (1) each side. The lights shall feature multiple flash patterns including steady burn.

INTERSECTION WARNING LIGHTS COLOR

The intersection lights shall be red with a clear lens.

INTERSECTION WARNING LIGHTS LOCATION

The intersection lights shall be mounted centered front to rear on the flat portion of the side of the bumper tail.

SIDE WARNING LIGHTS

The cab sides shall include two (2) Whelen M6 Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors. The lights shall be mounted to the sides of the cab within a chrome bezel.

SIDE WARNING LIGHTS COLOR

The warning lights located on the side of the cab shall be red with clear lens.

SIDE WARNING LIGHTS LOCATION

The warning lights on the side of the cab shall be mounted over the front wheel well directly over the center of the front axle.

SIDE AND INTERSECTION WARNING SWITCH

The side warning lights shall be controlled through a virtual button on the Vista display and control screen. This button shall be clearly labeled for identification.

REAR WARNING LIGHTS

The cab shall be prewired and contain a cutout for a Whelen TACTL5 Traffic Advisor control head to be installed by the body builder. The prewire shall be coiled under the center dash panel.

Wiring provisions shall be provided routed to the rear of the frame for OEM installation of up to eight (8) individual traffic advisor warning lights rated at no more than one (1) amp each.

The power to the control head shall be ignition switched and activation dependent upon the state of the controllers switched position upon ignition.

AUXILIARY GROUND/PERIMETER LIGHTS

There shall be two (2) ground/perimeter lights integrated with the V-Series intersection warning lights. The ground/perimeter function of the V-series lights shall be activated with the vehicle ground lighting activation circuit and with respective turn signal.

INTERIOR DOOR OPEN WARNING LIGHTS

The interior of each door shall include one (1) 15.87 inch long X 0.73 inch tall amber Weldon LED warning light. The light shall be located on the upper portion of the door frame to be visible when a person is standing in front of the door while entering or exiting the cab. Each light shall activate with a scrolling directional flash pattern which moves from inside to outside when the door is in the open position. This shall serve as a warning to oncoming traffic.

SIREN CONTROL HEAD

A Whelen 295HFS2 electronic siren control head with remote amplifier shall be provided and flush mounted in the switch panel with a location specific to the customer's needs. The siren shall feature 200-watt output, hands free mode and shall be in "standby" mode awaiting instruction.

The siren shall offer radio broadcast, public address, wail, yelp, or piercer tones and hands free operation which shall allow the operator to turn the siren on and off from the horn ring if a horn/siren selector switch option is also selected.

STEERING WHEEL HORN BUTTON SELECTOR SWITCH

A virtual button on the Vista display and control screen shall be provided to allow control of either the electric horn or the air horn from the steering wheel horn button. The electric horn shall sound by default when the selector switch is in either position to meet FMCSA requirements.

AUDIBLE WARNING RH FOOT SWITCH

A foot switch wired to actuate the mechanical siren(s) shall be supplied for installation in the front section of the cab for officer actuation.

MECHANICAL SIREN FOOT SWITCH RH

The mechanical siren foot switch shall be a Linemaster model 491-S.

MECHANICAL SIREN FOOT SWITCH RH LOCATION

The mechanical siren foot switch shall be temporarily tied up with a coiled wire drop at the firewall inboard for installation by the customer on the right hand side accessible to the officer.

AUDIBLE WARNING RH FOOT SWITCH BRACKET

An individual 30.00 degree angled bracket shall be shipped loose with the chassis for installation of each officer accessible foot switch by the customer.

AIR HORN AUXILIARY ACTIVATION

The air horn activation shall be accomplished by a single right hand side lanyard cable accessible to the officer. An air horn activation circuit shall be provided to the chassis harness pump panel harness connector.

MECHANICAL SIREN BRAKE/AUXILIARY ACTIVATION

A red momentary siren brake rocker switch shall be provided in the switch panel on the dash.

MECHANICAL SIREN INTERLOCK

The siren shall only be active when master warning switch is on to prevent accidental engagement.

BACK-UP ALARM

An ECCO model 575 backup alarm shall be installed at the rear of the chassis with an output level of 107 dB. The alarm shall automatically activate when the transmission is placed in reverse.

INSTRUMENTATION

An ergonomically designed Graphical Instrument Cluster (GIC) shall be provided that combines gauges, telltales, warning messages, and advanced diagnostic capabilities into a single 12.3 inch digital display. The display screen shall have an anti-reflective coating and include a rotary/joystick control for user interaction with the display.

The GIC shall include a vehicle odometer which displays total vehicle distance traveled. The GIC shall also include two vehicle trip odometers (TRIP A and TRIP B) which indicate the distance traveled and average fuel economy for each respective trip. The operator may select which odometer is displayed and may reset either trip odometer through the on-screen display. The GIC shall include an engine hour meter which displays the total engine hours of operation.

The gauges shall have high-contrast white scales with orange pointers. The following gauges shall be included on the display:

- Speedometer that indicates vehicle speed. The scale on the speedometer shall read from 0 to 100 MPH. A numerical display of vehicle speed shall also be shown on the gauge.
- Tachometer that indicates engine speed. The scale of the tachometer shall read from 0 to 3000 RPM.
- Primary and secondary air pressure gauges that indicate the pressure in the primary and secondary air systems. The scale of the air pressure gauges shall read from 0 to 160 pounds per square inch (PSI). The gauge icon and scale shall turn amber when the system pressure drops below 70 PSI. The icon and scale shall turn red when the system pressure drops below 62 PSI. An audible alarm shall also sound when air pressure is low.
- Fuel gauge. The fuel gauge shall read from empty to full as a fraction of full tank capacity. The gauge icon and scale shall turn amber when the fuel level is below 1/8th tank capacity (1/4th tank in pump mode). An audible alarm shall also sound with low fuel level.

- Diesel exhaust fluid (DEF) gauge. The DEF gauge shall read from empty to full as a fraction of full tank capacity. The gauge icon and scale shall turn amber, and an audible alarm shall sound to indicate low DEF level.

- Engine oil pressure gauge. The scale of the engine oil pressure gauge shall read from 0 to 100 PSI. The gauge icon and scale shall turn red, and an audible alarm shall sound to indicate low oil pressure.

- Engine coolant temperature gauge. The scale of the coolant temperature shall read from 100 to 250 degrees Fahrenheit (°F). The gauge icon and scale shall turn red, and an audible alarm shall sound to indicate high coolant temperature.

- Voltmeter indicating chassis system voltage. The scale of the voltmeter shall be from 10 to 18 volts. The gauge icon and scale shall turn red, and an audible alarm shall sound when the system voltage drops below 11.8 volts for more than 120 seconds in accordance with the requirements of NFPA 1901. The gauge icon and scale shall turn red, and an audible alarm shall sound when the system voltage rises above 15.5 volts for more than 5 seconds.

- Transmission temperature gauge. The scale of the transmission temperature shall read from 100 to 300 degrees Fahrenheit (°F). The gauge icon and scale shall turn amber, and an audible alarm shall sound to indicate high transmission temperature.

The GIC shall include thirty-six (36) colored telltales to indicate vehicle operating conditions. The GIC shall provide text-based warning messages to accompany all telltales. The GIC shall contain an audible alarm capable of providing different alert sounds based on the type of warning. The audible alarm shall be capable of being heard from all seating positions in the cab.

The operator shall be able to silence active alarms that are permitted to be silenced by applicable regulations. The GIC shall contain the following indicators and produce the following audible alarms when supplied in conjunction with applicable configurations:

RED TELLTALES

- Air Filter Restriction - indicates restriction of the engine air intake filter
- Air Pressure (Primary) – indicates critically low primary system air pressure
- Air Pressure (Secondary) – indicates critically low secondary system air pressure
- Cab Tilt Warning - indicates the cab tilt system locks are not engaged
- Coolant Temperature – indicates high engine coolant temperature
- Low Coolant - indicates critically low engine coolant
- Oil Pressure – indicates critically low engine oil pressure
- Park Brake - indicates parking brake is set
- Seat Belt - indicates a seat belt violation
- Stop Engine - indicates critical engine fault
- Voltage – indicates critically low or high system voltage

AMBER TELLTALES

- Anti-Lock Brake System (ABS) - indicates anti-lock brake system fault
- Check Engine - indicates engine fault
- Check Transmission - indicates transmission fault
- Diesel Exhaust Fluid (DEF) level – indicates low DEF level
- Diesel Particulate Filter (DPF) - indicates restriction of the diesel particulate filter
- Electronic Stability Control (ESC) – indicates active electronic stability control system
- Fuel Level – indicates low fuel
- High Exhaust System Temperature (HEST) – indicates elevated exhaust temperature
- Malfunction Indicator Lamp (MIL) - indicates an engine emissions system fault
- Regen Inhibit - indicates regeneration of the DPF has been inhibited by the operator
- Transmission Temperature – indicates high transmission or transmission retarder temperature
- Transmission Range Inhibit - indicates a transmission operation is prevented and requested shift into gear may not occur
- Wait to Start - indicates active engine air preheat cycle
- Water in Fuel - indicates presence of water in fuel filter
- Windshield Washer Fluid – indicates low washer fluid

GREEN TELLTALES

- Automatic Traction Control (ATC) - indicates low wheel traction for automatic traction control equipped vehicles. Also indicates mud/snow mode is active for ATC system
- Auxiliary Brake - indicates secondary braking device is active
- Cruise Control - indicates cruise control is enabled
- High Idle - indicates engine high idle is active
- OK to Pump - indicates that conditions have been met for pump operations
- Left and Right Turn Signal – indicates active turn signal
- Pump Engaged - indicates the pump transmission is currently in pump gear

BLUE TELLTALES

- High Beam indicator

AUDIBLE ALARMS

- ABS System Fault
- Air Filter Restriction
- Cab Tilt Warning
- Check Engine
- Check Transmission
- Do Not Move Apparatus (open door/compartment)
- DPF Restriction
- High Coolant Temperature
- High or Low System Voltage
- High Transmission Temperature
- Idle Shutdown
- Low Air Pressure
- Low Coolant Level
- Low DEF Level
- Low Engine Oil Pressure
- Low Fuel
- Seatbelt Warning
- Stop Engine
- Turn Signal On
- Water in Fuel

The GIC shall allow the user to configure settings through an on-screen menu. The following settings shall be adjustable by the user:

- Distance/Speed Units – English (miles/MPH) or metric (kilometers/KPH)
- Temperature Units – degrees Fahrenheit (°F) or degrees Celsius (°C)
- Pressure Units – pounds per square inch (PSI) or kilopascals (kPA)
- Odometer/Trip odometer–chose which odometer is displayed and reset trip odometers
- Display Brightness – adjust brightness levels for both day and night settings
- Volume – adjust volume of display speaker

- Auxiliary Gauges – configure location of auxiliary gauges

The GIC shall include on-screen control of the diesel particulate filter (DPF). The GIC shall be capable of initiating and halting a manual DPF regeneration cycle. Also, the GIC shall be capable of inhibiting DPF regeneration when not desired by the operator.

The GIC shall be capable of displaying detailed diagnostic information. Diagnostic information screens shall only be accessible when the park brake is set to prevent unsafe operation of the vehicle. The following information shall be available through the on-screen menu:

- On-Board Diagnostics (OBD) faults – display of all active OBD faults, including the system reporting the fault, the suspect parameter number (SPN), and the failure mode identifier (FMI)
- Messages– display a list of all active warning messages and the status of alarms
- Vehicle Info – display of broadcast chassis information, including Vehicle Identification Number (VIN)
- Pump Interlocks – display pump interlocks status, engine speed, and transmission output speed
- Input/Output Diagnostics – display the state of all wired inputs and outputs to the GIC, as well as rotary/joystick control diagnostics
- Symbol Legend – display a glossary of all symbols and icons used on the GIC
- J1939 Databus Info – display a list of all electronic control units (ECUs) communicating on the vehicle J1939 databus and display a list of all current message data on J1939

BACKLIGHTING COLOR

The digital dash instrumentation gauges shall display in white, and the switch panel legends shall be backlit using red LED backlighting.

HOUR METER

An hour meter shall be included within the digital dash display which shall measure the amount of hours the PTO has been operated. The hour meter shall be wired to the left hand PTO.

RADIO

A Jensen radio with weather band, AM/FM stereo receiver, and four (4) speakers shall be installed in the cab. The radio shall include rear RCA input pigtail connector, satellite radio capability, and a covered front auxiliary mini stereo input with iPod ready USB jack. The radio shall be installed in the left hand overhead position. The speakers shall be installed inside the cab with two (2) speakers recessed overhead in the front portion of the cab rearward of the windshields and two (2) speakers on the upper rear wall of the cab.

AM/FM ANTENNA

A small antenna shall be located on the left hand side of the cab roof for AM/FM and weather band reception.

CAMERA RIGHT HAND

One (1) Audiovox Voyager heavy duty rearview HD box shaped camera shall be mounted on the officer side of the cab above the front door. The camera display shall activate when the right side turn signal is activated.

CAMERA REAR

One (1) Audiovox Voyager heavy duty box shaped HD camera shall be shipped loose for OEM installation in the body to afford the driver a clear view to the rear of the vehicle.

The rear camera display shall activate when the vehicle's transmission is placed in reverse.

CAMERA DISPLAY

The camera system shall display on the digital dash and a Weldon Vista display located on the officer's side dash. The camera system display can be activated through the digital dash control knob or through the Vista display panel.

COMMUNICATION ANTENNA

An antenna base, for use with an NMO type antenna, shall be mounted on the right hand front corner of the cab roof so not to interfere with light bars or other roof mounted equipment installed by chassis builder. The antenna base shall be an Antenex model MABVT8 made for either a 0.38 inch or 0.75 inch receiving hole in the antenna and shall include 17.00 foot of RG58 A/U cable with no connector at the radio end of the cable. The antenna base design provides the most corrosion resistance and best power transfer available from a high temper all brass construction and gold plated contact design. The antenna base shall be chassis builder supplied.

COMMUNICATION ANTENNA CABLE ROUTING

The antenna cable shall be routed from the antenna base mounted on the roof to the area inside the center rocker switch console.

CAB EXTERIOR PROTECTION

The cab face shall have a removable plastic film installed over the painted surfaces to protect the paint finish during transport to the body manufacturer.

FIRE EXTINGUISHER

A 2.50 pound D.O.T approved fire extinguisher with BC rating shall be shipped loose with the cab.

ROAD SAFETY KIT

The cab and chassis shall include one (1) emergency road safety triangle kit.

DOOR KEYS

The cab and chassis shall include a total of four (4) door keys for the manual door locks.

DIAGNOSTIC SOFTWARE OCCUPANT PROTECTION

Diagnostic software for the Spartan Advanced Protection System shall be available for free download from the Spartan Chassis website to Spartan authorized OEMs, dealers and service centers, as well as the vehicle owner.

The software has been validated to be compatible with the following RP1210 interface adapters:

- Dearborn Group DPA4 Plus
- Noregon Systems JPRO® DLA+
- Cummins INLINE5
- Cummins INLINE6
- NexIQ™ USB-Link™

The software and adapter utilize the SAE J1939-13 heavy duty nine (9) pin connector which is located below the driver's side dash to the left of the steering column.

WARRANTY

Purchaser shall receive a Custom Chassis Two (2) Years or 36,000 Miles limited warranty in accordance with, and subject to, warranty certificate RFW0102. The warranty certificate is incorporated by reference into this proposal and included with this proposal or available upon request.

CHASSIS OPERATION MANUAL

There shall be two (2) digital copies of the chassis operation manual provided with the chassis. The digital data shall include a parts list specific to the chassis model.

ENGINE AND TRANSMISSION OPERATION MANUALS

The following manuals specific to the engine and transmission models ordered will be included with the chassis in the ship loose items:

(1) Hard copy of the Engine Operation and Maintenance manual with digital copy

(1) Digital copy of the Transmission Operator's manual

(1) Digital copy of the Engine Owner's manual

CAB/CHASSIS AS BUILT WIRING DIAGRAMS

The cab and chassis shall include two (2) digital copies of wiring schematics and option wiring diagrams.

APPARATUS INFORMATION LABEL

There shall be a high-visibility label installed in a location clearly detectable to the driver while in the seated position.

The label shall indicate the following specified information.

Overall Height (feet and inches)
Overall Length (feet and inches)
Overall GVWR (tons or metric tons)

CAB TILT CONTROL

There shall be a cab tilt pendant control quick-connect coupler provided and installed on the right side of the apparatus. The pendant shall be located directly on the lower portion of the officer's side discharge panel

There shall also be a cab tilt instruction plate located as close as possible to the control pendant for ease of operation.

HEAT EXCHANGER

The supplementary heat exchanger cooling system shall be provided and installed to the discharge side of the fire pump through to the engine compartment without intermixing, for absorption of excess heat.

The heat exchanger shall be adequate in size to maintain safe operating temperature of the coolant in the pump drive engine and not in excess of the engine manufacturer's temperature rating, under all pumping conditions. Appropriate drains shall be provided to allow draining the heat exchanger to prevent damage from freezing.

HELMET RESTRAINTS

Six (6) Ziamatic UHH-1 Universal Helmet Holders shall be provided and shipped loose with the apparatus.

MUD FLAPS

Heavy-duty black rubber mud flaps with manufactures logo shall be provided behind the rear wheels. The mud flaps shall be bolted in place.

PUMP LOCATION

The pump shall be installed in a midship location behind the chassis cab, below the rear cab and speedlay overhang, forward of the body. When the cab is tilted, the pump is completely accessible. The side discharge panels, as described later, surrounding the pump discharge and intake ports shall be located ahead of the body compartments. The pump shall be accessed for rebuilding by either removal from the bottom of the frame or from the top of the frame to allow fast and simple service in various conditions.

PUMP MOUNTING

The pump assembly shall be mounted on angle brackets attached to the outside of the chassis frame rails. There shall be no structural framework surrounding the pump. The pump brackets shall use a three (3)-point mounting technique using a minimum of grade 5 hardware per the pump manufacturer's installation guidelines to allow chassis frame rails to flex independently without damage to the fire pump.

PUMP/PLUMBING WORK LIGHT

Two (2) 4" round LED work lights shall be installed on the underside of the speedlay compartment module to illuminate the internal piping and plumbing components.

The lights shall be activated by a switch on the control panel.

OPERATOR CONTROLS

The pump operators control station shall be completely enclosed and located in the forward area of the L-2 body compartment, to protect against road debris and weather elements.

The pump operator’s module shall be constructed of the same materials as the apparatus body and finish painted to match the compartment interior.

The controls shall be positioned at a height easily accessible from ground level and ergonomically efficient to provide user-friendly operation. The display shall accommodate all operational controls for maintaining and monitoring pump and engine system operations and foam controls (if applicable), for additional ease of operation and visibility. An access panel, equipped with mechanical fasteners, shall be provided for ease of removal and service.

VALVE CONTROL - ELECTRIC

Unless specified otherwise, all discharge valves shall be electrically controlled from the operators control panel. The valve operating mechanism will indicate the position of the valve at all times.

DISCHARGE PANEL LIGHTS

There shall be adequate illumination provided at the side discharge panels with the installation of two (2) 4" round LED lights recessed in the underside of the Speedlay compartment on each side of the apparatus.

The lights shall be activated by the setting of the park brake.

PUMP SERVICE ACCESS

Ease of access to the pump and plumbing shall be provided at the front of the pump by raising the cab to allow service and maintenance. The pump shall be positioned such that maintenance and overhaul work can be performed above the frame, and under the tilted cab.

DISCHARGE PANEL WIDTH

The width of the pump discharge panel (front to back) shall be 41.00 inches (1.04 m).

SIDE DISCHARGE PUMP PANEL FINISH SSTL

The left and right side discharge panels shall be fabricated from 14 gauge “Brushed Stainless Steel” capable of withstanding the conditions and effects of extreme weather and temperature changes. The panels shall be easily removable with mechanical fasteners to provide a large access area to the pump for service.

The side discharge panels shall have items that include but are not limited to:

- Test Ports
- Warning Labels
- Data Plates

SOFT SUCTION HOSE STORAGE

There shall be a recessed cavity on the left side of the apparatus, integrated into the side discharge panel to store a roll of 25 feet of 5.00 inch suction hose. The cavity shall be located below the frame rail and be approximately 10.00 inches (254 mm) wide. The floor area shall have a light taper downward so assist in restraining the hose. Drain holes shall be provided in the rear corners.

There shall be two (2) Velcro strap type hold downs installed to secure the stored equipment in place during transit.

STORAGE CAVITY INTERIOR FINISH

The interior of the storage compartment shall feature a painted black Line-X finish.

LEFT SIDE SLIDE OUT PUMP OPERATOR'S PLATFORM

There shall be a pull-out Pump Operator's platform installed under the L2 body compartment. The platform shall be as wide as possible to fit the compartment and shall be approximately 16.00 inches (406.40 mm) deep when extended.

The platform shall lock into place while in the extended and stowed positions. The platform surface shall be constructed of "Aluminum Diamond Grip Strut" material covering the framework.

There shall be a reinforcement channel on the back of the step.

If the slide out step is not properly stowed and the transmission is placed into drive or reverse mode with the parking brake released, the hazard light in the cab shall be activated to alert the crew.

APPARATUS PLUMBING LABELING

Innovative Controls verbiage tag bezels shall be installed where applicable for components specified. The bezel assemblies will be used to identify apparatus components. These tags shall be designed and manufactured to withstand the specified apparatus service environment and shall be backed by a warranty equal to that of the exterior paint and finish. The verbiage tag bezel assemblies shall include a chrome-plated panel-mount bezel with durable easy-to-read UV

resistant polycarbonate inserts featuring the specified verbiage and color coding (if selected). These UV resistant polycarbonate verbiage and color inserts shall be subsurface screen printed to eliminate the possibility of wear and protect the inks from fading. Both the insert labels and bezel shall be backed with 3M permanent adhesive, which meets UL969 and NFPA standards.

BEZELS FOR DISCHARGES AND INLETS

Innovative Controls chrome finish die cast metal bezels shall be supplied around the openings in the pump panels for all discharge & auxiliary suction inlet fittings.

Chrome finish polycarbonate bezels shall be supplied around the openings for the main steamer inlets.

PRESSURE GOVERNOR

The Pressure Governing System provided with the chassis shall be installed on the pump operator's panel.

PRESSURE RELIEF VALVE

A Task Force Tips model #A18XX pressure relief valve shall be provided. The valve shall have an easy to read adjustment range from 90 to 300 PSI with 90, 125, 150, 200, 250 and 300 PSI adjustment settings and an "OFF" position. Pressure adjustments shall be made utilizing a 1/4" hex key, 9/16" socket or 14mm socket.

For corrosion resistance the cast aluminum valve shall be a hardcoat anodized with a powder coat interior and exterior finish. The valve shall meet (NFPA) 1901, Standard for Automotive Fire Apparatus, requirements for pump inlet relief valves. The unit shall be covered by a five year warranty. The valve shall be preset at 125 PSI (860 kPa) suction inlet pressure. The valve shall be installed inside the pump compartment where it will be easily accessible for future adjustment. The excess water shall be plumbed to the atmosphere via the unloader pipe and shall dump on the opposite side of the pump operator.

For normal pumping operations, the relief valve shall not be capped and there shall be a placard stating "DO NOT CAP" installed.

The relief valve shall have no stainless steel plumbing extension installed.

TESTING PORTS

Test port connections for pressure and vacuum shall be provided at the pump discharge panel. One shall be connected to the intake side of the pump, and the other to the discharge manifold side of the pump. They shall have 0.25 in. standard pipe thread connections and be manufactured of non-corrosive polished stainless steel or brass plugs.

TANK LEVEL GAUGE

Fire Research TankVision Pro model WLA400-A00 tank indicator kit shall be installed. The kit shall include an electronic indicator module, a pressure sensor, and a 20.00 foot sensor cable. The indicator shall 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 shall provide for a viewing angle of 180 degrees. The

indicator case shall be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a datalink to connect remote indicators. Low water warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty. The indicator shall have an output for an audio alarm, warning indicator signal, valve/actuator control signal and an input for a silence button.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water tank near the bottom. No probe shall be placed on the interior of the tank. Wiring shall be weather resistant and have automotive type plug-in connectors.

AIR HORN SWITCH

There shall be a red rocker switch provided for air horn activation installed on the pump operator's gauge panel. The air horn switch shall be of weather resistance type and labeled “AIR HORN”.

MIDSHIP PUMP

The pump shall have a capacity of 2250 gallons per minute, measured in U.S. Gallons. The pump shall be a Waterous model CSU, single stage midship pump.

The pumps impellers shall be bronze with double suction inlets, accurately balanced (mechanically and hydraulically), of mixed flow design with reverse-flow, labyrinth-type, wear rings that resist water bypass and loss of efficiency due to wear. The impeller shall have flame plated hub to assure maximum pump life and efficiency despite the presence of abrasive particles, such as fine sand, in the water being pumped. The wear rings shall be bronze and easily replaceable to restore original pump efficiency and eliminate the need for replacing the entire pump casing due to wear.

Pump casing shall be close grained gray iron, bronze fitted and horizontally split in two sections for easy removal of entire impeller assembly, including wear rings, without disturbing setting of pump in chassis or pump piping. The pump, for ease and rapid servicing in the future, shall have the separable impeller shaft which allows true separation of transmission or pump without disassembly or disturbing the other component. This shall be accomplished by using a two piece shaft. This feature will allow field service to accomplish in much less time since each component (pump or transmission) can be repaired independently. The impeller shaft shall be stainless steel, accurately ground to size and polished. Shaft shall be supported at each end by ball type oil grease lubricated bearings. Sleeve bearings or bushings will not be acceptable. The bearings shall be protected from water at each end of the impeller shaft.

The discharge manifold shall be cast as an integral part of the pump body assembly and shall provide at least three full 3.50 inch openings for ultimate flexibility in providing various discharge outlets for maximum efficiency, and shall be located as follows:

one outlet on the right side of the pump body, one outlet on the left side of the pump body, and one outlet directly on top of the pump discharge manifold.

The entire pump shall be cast, manufactured and tested at the pump manufacturer's factory. The

pump transmission housing shall be high strength aluminum, three pieces and horizontally split. Power transfer to the pump shall be through a Morse Hy-Vo drive chain. Chain shall be pressure lubricated through oil pump. Chain sprockets shall be cut from carbonized, hardened alloy steel. Spur gears will not be acceptable.

The drive shafts shall be 2.35 inches in diameter, made of hardened and ground alloy steel. All shafts shall be ball bearing supported. Case shall be designed to eliminate the need of water cooling.

The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI. A certificate documenting this test shall be provided with the completed apparatus. The pump shall be fully tested at the pump manufacturer's factory to the performance requirements as outlined by the latest (NFPA) 1901, Standard for Automotive Fire Apparatus. Pump shall be free from objectionable pulsation and vibration.

The pump shall be the Class "A" type and shall deliver the percentage of rated discharge at pressures indicated below.

100% of rated capacity at 150 PSI net pump pressure.
100% of rated capacity at 165 PSI net pump pressure.
70% or rated capacity at 200 PSI net pump pressure.
50% of rated capacity at 250 PSI net pump pressure.

PUMP SEALS

The pump shall be equipped with self-adjusting, maintenance free mechanical shaft seals that shall not require manual adjustment. These seals shall be designed in a manner that they will remain functional enough to permit continued use of the pump in the unlikely event of a seal failure.

AIR PRIMER SYSTEM

The priming system shall be a Trident Emergency Products compressed air powered high efficiency, multi-stage, venturi based Air Prime System.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction. A single panel mounted control will activate the priming pump and open the priming valve to the pump.

The primer shall be mounted above the pump impeller so that the priming line will automatically drain back to the pump. The primer shall also automatically drain when the panel control actuator is not in operation. The inlet side of the primer shall include a brass ‘wye’ type strainer with removable stainless steel fine mesh strainer to prevent entry of debris into the primer body.

The system shall employ an 80 PSI (5.5 bar) pressure protection valve, located on the chassis auxiliary air tank.

The primer shall be covered by a five (5) year parts warranty.

PRIMER CONTROL

There shall be one (1) push button control to actuate the primer control valve at the operator's panel.

MAIN PUMP INLET-LEFT SIDE

A 6.00 inch (150 mm) pump manifold inlet shall be provided on the left side of the pump. The shorter style inlet shall protrude less than 2.00 inches (50 mm) away from the side panel, allowing an external valve to be connected and not protrude past the apparatus body sides while maintaining a low connection height.

The main pump inlet shall have National Standard Threads and includes a removable screen designed to provide cathodic protection for reducing deterioration in the pump.

EXTERNAL INTAKE VALVE

There shall be one (1) external valve with cap provided and installed on the steamer inlet by the Dealership.

MAIN PUMP INLET-RIGHT SIDE

A 6.00 inch (150 mm) pump manifold inlet shall be provided on the right side of the pump. The shorter style inlet shall protrude less than 2.00 inches (50 mm) away from the side panel, allowing an external valve to be connected and not protrude past the apparatus body sides while maintaining a low connection height.

The main pump inlet shall have National Standard Threads and includes a removable screen designed to provide cathodic protection for reducing deterioration in the pump.

EXTERNAL INTAKE VALVE

There shall be one (1) external valve with cap provided and installed on the steamer inlet by the Dealership.

MASTER DRAIN VALVE

A Trident manifold type drain valve shall be installed in the pump compartment. All pump drains shall be connected to the master drain valve. The drain valve shall be controlled from the left side lower pump house sill. The control shall be a hand wheel knob marked “open” and “closed”.

The drain shall be located such that it shall not interfere with pumping operations or function such as soft suction hoses, etc. nor shall it protrude past the outer edge of the apparatus, to prevent damage to the valve.

In some cases, it is necessary to locate the master drain in a secondary location to ensure proper draining. If no lower or vertical sill exists, the drain shall be located below the bottom outside edge of the hose body near the forward most corner on the driver’s side hose body. The drain shall not protrude past the outer edge of the body, thus preventing damage to the valve.

PUMP COOLING LINE

There shall be a 3/8 inch (9.5 mm) line running from the pump to the water tank to assist in keeping the pump water from overheating. A valve shall be installed on the left side discharge panel.

PUMP ANODES

Two (2) pump anodes shall be installed in the plumbing system, one (1) on the discharge side and one (1) on the suction side, to prevent damage from galvanic corrosion within the pump system.

FIRE PUMP PAINTED

The fire pump shall be painted as specified:

PLUMBING COLOR

The color shall be the same as the lower body color.

STAINLESS STEEL PLUMBING

All auxiliary suction and discharge plumbing related fittings, and manifolds shall be fabricated with schedule 40 stainless steel pipe; brass or high pressure flexible piping with stainless steel couplings. Galvanized components and/or iron pipe shall NOT be accepted to ensure long life of the plumbing system without corrosion or deterioration of the waterway system. Where waterway transitions are critical (elbows, tees, etc.), no threaded fittings shall be allowed to promote the smooth transition of water flow to minimize friction loss and turbulence. All piping components and valves shall be non-painted, unless otherwise specified. All piping welds shall be wire brushed and cleaned for inspection and appearance.

The high pressure flexible piping shall be black SBR synthetic rubber hose with 300 PSI working pressure and 1200 PSI burst pressure for flexible piping sizes 1.50 inch through 4.00 inch. Sizes .75 inch, 1.00 inch and 5.00 inch are rated at 250 PSI working pressure and 1000 PSI burst pressure. All sizes are rated at 30 in HG vacuum. Reinforcement consists of two plies of high tensile strength tire cord for all sizes and helix wire installed in sizes 1.00 inch through 5.00 inch for maximum performance in tight bend applications. The material has a temperature rating of -40 degrees Fahrenheit to +210 degrees Fahrenheit.

The stainless steel full flow couplings are precision machined from high tensile strength stainless steel. All female couplings are brass. Mechanical grooved and male 3/4 inch and 1 inch couplings are brass. A high tensile strength stainless steel ferrule with serrations on the I. D. is utilized to assure maximum holding power when fastening couplings to hose.

PUMP HOUSE LINE PROTECTION

All drain lines for the discharges, suctions, ABS discharge gauge lines and any other appropriate connections in the pump house area shall have a protective cover provided on the lines in the required areas of the lines to prevent the lines from rubbing on any other components in the pump house area.

All drain lines, ABS lines, high pressure discharge lines and electrical wiring in the pump house area shall be properly and neatly routed, wire tied and rubber coated “P” clamped, to keep the items secured.

DRAIN VALVES

An Innovative Controls 3/4" quarter turn drain valve shall be included on each discharge, gated intake, and steamer valve (if applicable). A side stem, long stroke chrome plated lift handle shall be provided on the drain valve to facilitate use with a gloved hand. The drain valve shall have an ergonomically designed handle with a recessed verbiage tag area easily read by the operator before opening.

The drain valve shall be connected to the valve with a flexible hose that is routed in such a manner as to assure complete drainage to below the apparatus.

LEFT SIDE INLET

There shall be one (1) gated suction inlet with .75 inch (19mm) bleeder installed on the left side of the apparatus with the following specified components.

INTAKE VALVE

A 2.50 inch (65 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9333 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9333 Navigator Pro™ 2.0 Valve Controller. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation.

The controller must have up to three preset locations that can be user set and easily recalled upon each use. The unit must be capable of being used in conjunction with at least two additional displays to control one valve. The unit must provide position indication through a full color backlit LCD display. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. The unit must carry a five year warranty.

INTAKE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

SUCTION/INTAKE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST swivel female straight adapter with screen

One (1) 2.50 inch (65 mm) self-venting plug, secured by a chain

INLET LOCATION

The inlet shall be located on the pump panel in the rearward position.

LEFT SIDE DISCHARGE

There shall be one (1) gated discharge installed on the left side of the apparatus with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9333 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9333 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting.

The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation. The controller must have up to three preset locations that can be user set and easily recalled upon each use. The unit must be capable of being used in conjunction with at least two additional displays to control one valve. The unit must provide position indication through a full color backlit LCD display. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. The unit must carry a five year warranty.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

Each discharge termination shall include the following components:

One (1) 2.50 inch (65 mm) Male NST adapter

One (1) 2.50 inch (65 mm) NST female swivel by male with 45 degree polished elbow

One (1) 2.50 inch (65 mm) female self-venting cap, secured by a chain

LEFT SIDE DISCHARGE

There shall be one (1) gated discharge installed on the left side of the apparatus with the following specified components.

DISCHARGE VALVE

A 3.00 inch (77 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location.

The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 3.00 inch (77 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The discharge termination shall include the following components:

One (1) 3.00 inch (77 mm) NST Straight adapter

One (1) 3.00 inch (77 mm) NST female by 4.00 inch (100 mm) Storz with 30 degree elbow

One (1) 4.00 inch (100 mm) Storz cap, secured by a chain

RIGHT SIDE DISCHARGE

There shall be one (1) gated discharge installed on the right side of the apparatus with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be

completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

Each discharge termination shall include the following components:
One (1) 2.50 inch (65 mm) Male NST adapter
One (1) 2.50 inch (65 mm) NST female swivel by male with 45 degree polished elbow
One (1) 2.50 inch (65 mm) female self-venting cap, secured by a chain

RIGHT SIDE MASTER DISCHARGE

There shall be one (1) master discharge installed on the right side of the apparatus provided with the following specified components.

DISCHARGE VALVE

A 3.00 inch (77 mm) Akron Brass 8000 series 'electric valve' with a bronze flat ball and 4.00 inch (100 mm) discharge threads.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 3.00 inch (77 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The discharge termination shall include the following components:

One (1) 4.00 inch (100 mm) NST adapter

One (1) 4.00 inch (100 mm) NST female by 5.00 inch (125 mm) Storz with 30 degree elbow

One (1) 5.00 inch (125 mm) Storz cap, secured by a chain

INTERNAL BODY SPEEDLAY MODULE

The apparatus body shall include the addition of a horizontal transverse speedlay compartment assembly approximately twenty-eight 28.00 inch (711.2 mm) front to back. This assembly shall be forward of the apparatus body, above the rearward portion of the water pump and the side discharge panels.

The speedlay compartment shall be constructed utilizing a combination of the same structural tubing and formed sheet metal as used on the structural body module. The structure shall be welded conforming to the same A.W.S. Certified welding procedure as used on the structural body module. These processes shall ensure the quality of structural stability of the speedlay compartment module. This assembly shall be and shall span the body transversely side to side.

The forward area of this compartment shall be recessed to accommodate the aerial travel rest with the speedlays (described elsewhere within these specifications) located to the rear.

The speedlay module shall be attached to the upper portion of the forward most body compartment using a minimum of grade 5 hardware and shall be separated from the apparatus cab with a gap. This gap is necessary to accommodate the flexing of the chassis frame rails that is encountered while the vehicle is in transit so that harmful torsional forces are not transmitted into the structural framework.

The floors of the speedlay bays shall be removable to allow simple access to the plumbing manifolds for complete plumbing service and valve maintenance. Access to valves shall not require removal of operator panels or pump panels.

Chicksan swivels shall be installed above each speedlay hose bed to allow removal of the speedlay trays and accessible enough for hose couplings to be tightened on to chicksans. Chicksan swivels shall swing from left to right to allow attached hose to be deployed from either

side.

Any exposed area of the assembly shall be finished to match the body configuration matching body job color paint and diamond plate surfaces where applicable.

A removable speedlay hose bed tray shall be provided for each bay specified.

ALUMINUM SPEEDLAY TRAYS

The three (3) removable speedlay trays shall be made of .188-inch aluminum material with a DA finish.

Each tray shall have vertical and horizontal hand holds for ease of handling. Slots shall be provided in the floor of the tray for hose drainage.

1 3/4" SPEEDLAY

A speedlay with the following specified components shall be provided for up to 200 feet (60 m) of 1.75 inch (44.4 mm) hose.

There shall be a total of two (2) provided.

DISCHARGE VALVE

A 2.00 inch (50 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 2.00 inch (50 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

Each discharge termination shall include the following components:

One (1) 2.00 inch (50 mm) NPT x 1.50 inch (38 mm) NST brass chicksan swivel

2 1/2" SPEEDLAY

A speedlay with the following specified components shall be provided for up to 200 feet (60 m) of 2.50 inch (63.5 mm) hose.

There shall be a total of one (1) provided.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location.

The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

Each discharge termination shall include the following components:

One (1) 2.50 inch (65 mm) NPT x 2.50 inch (65 mm) NST brass chicksan swivel

SPEEDLAY DOORS

The speedlay compartment doors shall be roll-up style doors.

R·O·M ROLL-UP DOOR

A R•O•M Corporation Series IV roll-up shutter door shall be installed. Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum.

Shutter slats shall feature a double wall extrusion 0.315 inches thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slats must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design shall be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double “V” seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece “D” shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125 inches. Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counterbalance system. Counterbalance system shall be 4.00 inches in diameter and held in place by 2 heavy duty 18 gauge zinc plated plates. Counterbalance system shall have 2 over-molded rubber guide wheels to provide a smooth transition from vertical track to counterbalance system.

SIDE COMPARTMENT DOORS/TRACK/TRIM/WET PAINTED

The side compartment roll up doors, track and trim shall be wet finish painted to color match the apparatus body.

ROLL-UP DOOR PROTECTORS

There shall be a protective cover installed under two (2) speedlay compartment door rolls to protect the door in the rolled up position.

ROLL-UP DOOR PROTECTOR FINISH

The roll-up door protector shall be left Natural finish.

DOOR ASSIST STRAPS

There shall be nylon straps installed on both the left and right side 'Speedlay' compartment doors to assist in closing the door.

DOOR OPEN INDICATOR

Each roll up door shall have an integral door open indicator magnet in the lift bar.

If the door is not properly closed and the parking brake is released, it shall activate the “hazard light” in the cab to alert the crew.

SPEEDLAY COMPARTMENT LIGHTING

Interior lighting shall be provided as specified below in each of the Speedlay compartments.

Two (2) ROM LED strip lights shall be installed in two (2) mid height compartment(s).

FRONT BUMPER DISCHARGE OUTLET

One (1) front bumper discharge outlet shall be provided and installed in the location specified.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a pressure sensor and provide an LCD display showing pressure as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

DISCHARGE PLUMBING

The plumbing shall consist of 2.00 inch (50 mm) piping and incorporate a manual drain control installed below the pump area for ease of access. Auto-drain(s) shall be installed in the discharge piping at lowest point of the plumbed system.

DISCHARGE TERMINATION

Each discharge termination shall include the following components:

One (1) 2.00 inch (50 mm) NPT x 1.50 inch (38 mm) NST, polished stainless steel chicksan swivel

FRONT BUMPER DISCHARGE LOCATION

The front bumper discharge shall be mounted on top of the gravel shield of the front bumper extension. The discharge shall be placed outboard of the frame rail extensions on the left side.

The discharge shall terminate with a chicksan swivel to accommodate deployment of hose in different directions.

AERIAL FEED /PUMP - REAR INLET

There shall be an aerial feed waterway provided and installed on the apparatus.

The aerial waterway feed shall be supplied from the discharge valve on the water pump and by the auxiliary rear inlet. The rear inlet shall be installed in a recessed stainless steel inlet box located on the lower rear of the apparatus, centered.

One (1) Tecniq model #E03-W000 series hooded light shall be installed to illuminate the inlet.

The following specified components shall be provided:

DISCHARGE VALVE

A 4.00 inch (100 mm) Akron Brass 8000 series 'electric valve' with a bronze flat ball.

STYLE 9335 NAVIGATOR PRO 2.0 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9335 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controller must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation (if provided), and menu activation.

The unit must be capable of being connected to a Flow Sensor or Pressure Sensor and provide an LCD display showing pressure and flow as well as valve position indication.

Valve position indication must be determined from true position feedback and indicate the exact position of the valve.

The unit must be able to be programmed to GPM or LPM for flow as well as PSI, kPa, or Bar for pressure. The unit must be capable of turning on and off a solenoid used in a CAFS system (if provided). The only calibration required is to set the unit to the valve during the initial set up. No other calibration shall be required.

The display shall be a full color LCD display with a backlight. It shall have a manual adjustment of the brightness as well as an auto-dimming option.

AERIAL PLUMBING

The aerial feed shall be plumbed from the discharge valve on the pump, located on the center 8-bolt flange, to the base of the aerial turntable. A 'tee' connection shall be provided below the turntable to extend the piping to the rear of the apparatus so that it may serve as a rear discharge or an aerial feed port at the rear of the apparatus. The plumbing shall be drained with a 1.50 inch (38 mm) drain valve system.

AERIAL INLET TERMINATION

The aerial waterway inlet shall include the following components:

One (1) 4.00 inch (100 mm) NST female swivel by 5.00 inch (125 mm) Storz with 30 degree elbow

One (1) 5.00 inch (125 mm) Storz cap, secured by a chain

AERIAL FEED GAUGE

One (1) gauge shall be installed at the aerial inlet for reading inlet pressure.

The gauge(s) shall be Innovative Controls Inc., 2.50 inch (65 mm), unless otherwise specified.

GAUGE SCALE

Each gauge shall be marked for reading a pressure range of 0-400 PSI.

GAUGE FACE COLOR

Each gauge shall have black markings on a white face.

LED BACKLIT GAUGE(S)

One (1) gauge(s) shall be LED backlit, Red.

BEZEL FOR 2.5" PRESSURE GAUGE

There shall be a chrome finish, die cast metal bezel around the 2.50 inch (65 mm) Aerial Inlet and/or aerial discharge pressure gauge(s) as specified. The bezel shall be equipped with an easily identifiable recessed label for color-coding for the gauge and color-coding and verbiage on the handle.

There shall be a total of one (1).

TANK TO PUMP LINE

The connection between the tank and the pump shall be capable of the flow recommendations as set forth in (NFPA) 1901, Standard for Automotive Fire Apparatus, latest revision and shall be tested to those standards when the pump is being certified.

One (1) non-collapsible flexible hose and valve shall be incorporated into the tank to pump plumbing to allow movement in the line as the chassis flexes to avoid damage during normal road operation. Three (3) inch SSTL piping shall be used to complete the connection from the tank to pump valve to the water tank.

TANK TO PUMP CHECK VALVE

There shall be a tank to pump check valve, conforming to NFPA standard requirements to prevent water from back flowing at an excessive rate if the pump is being supplied from a pressurized source. The check valve shall be mounted as an integral part of the pump suction extension. A hole up to .25 inch (6.00 mm) is allowable in the check valve to release steam or other pressure buildup so that the void between the valve and check valve may drain of water that could be subject to freezing.

TANK TO PUMP VALVE

A 3.00 inch (77 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9333 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9333 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation. The controller must have up to three preset locations that can be user set and easily recalled upon each use. The unit must be capable of being used in conjunction with at least two additional displays to control one valve. The unit must provide position indication through a full color backlit LCD display. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. The unit must carry a five year warranty.

TANK FILL LINE

One (1) 2.00 inch (50.80 mm) tank fill/recirculating line shall be installed from the pump directly to the booster tank.

TANK FILL VALVE

A 2.00 inch (50 mm) Akron Brass 8000 series 'electric valve' with stainless steel ball.

STYLE 9333 VALVE CONTROLLER

The controller shall be an Akron Brass Style 9333 Navigator Pro™ 2.0 Valve Controller and shall be installed at the pump operator's panel location. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation. The controller must have up to three preset locations that can be user set and easily recalled upon each use. The unit must be capable of being used in conjunction with at least two additional displays to control one valve.

The unit must provide position indication through a full color backlit LCD display. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. The unit must carry a five year warranty.

FORMED ALUMINUM BODY

The apparatus body shall be a formed aluminum design, which serves as the structural skeleton to support the body and its contents. The entire formed structure shall be welded together utilizing an A.W.S. Certified welding procedure.

BODY STRUCTURE MEMBERS

The body shall have structural members in certain areas of the body. The body shall be designed for maximum strength to weight ratio, therefore the gauge of sheet metal and structural members varies from .125 inches (3.18 mm) to .250 inches (6.35 mm) throughout, dependent on the design requirement.

BODY MATERIAL TYPE

All body structural members shall be Aluminum 6061-T6 alloy material. All .125 inch (3.18 mm) sheet material and .188 inch (4.78 mm) sheet materials shall be Aluminum Alloy 5052-H32. These alloys are required because it provides optimum all-around performance for strength, manufacturing properties, and corrosion resistance.

ECK® ANTI-CORROSION PROCESS

Absolutely no dissimilar metals shall be used in the body and its supporting substructure without being separated by Eck®, which prevents corrosion by providing a barrier between dissimilar metals, sealing out moisture and absorbing energy created by a dissimilar metal reaction.

FRONT BODY COMPARTMENT WALLS

The front compartment walls of both forward most compartments shall be sheet finished. No overlay material shall be visible from the interior of the compartments.

REAR BODY COMPARTMENT WALLS

The rear compartment walls of both rearward most compartments shall be sheet finished. No overlay material shall be visible from the interior of the compartments. Access panels from the rear walls shall be strategically placed to ensure access to the rear taillight clusters for any servicing that may be completed.

BODY COMPARTMENT ACCESS PANELS

Removable panels shall be provided in the apparatus body, where needed, to access shut off valves and connection points within the hydraulic system.

COMPARTMENT TOP

The top of the compartments shall be an integral portion of the body. No overlay material shall be visible from the interior of the compartments.

COMPARTMENT FLOORS

The body compartments shall be enclosed with aluminum sheet metal as specified above. The compartment floors shall have a 1.00 inch (25.40 mm) lip downward at the door opening side of the compartment. This lip shall integrate with a structural member on the bottom edge and form a “sweep-out” compartment. This design shall also allow for a structural flush fitting door frame and a complete door/weather seal or a roll up type door as specified.

COMPARTMENT LOAD CAPACITY

Each compartment shall have a minimum of one additional structural compartment floor support centered on the underside of the compartment floor. This additional member shall be integral with the body. Each compartment must be designed to carry a working load of:

Full depth side compartment: 1,000 lbs. (453.59 kg) per compartment
Half depth side compartment: 750 lbs. (340.19 kg) per compartment

NOTE: These values are for design purposes only for individual compartment construction and are not meant to be used as an actual overall weight rating for equipment load per compartment for the specified apparatus. The apparatus shall be engineered such that the completed unit, when loaded to its estimated in-service weight, shall comply with the gross axle weight ratings {GAWR}, the overall gross vehicle weight rating {GVWR}, and the chassis manufacturer's load balance guidelines per NFPA.

FASTENERS

All bolts and nuts used in the finish construction of the apparatus shall be stainless steel. Any bolt extending into a compartment or into the hose bed area shall have an acorn nut attached or be protected in such manner where sharp edges are avoided.

PAINT SPECIFICATIONS

All bright metal fittings, if unavailable in stainless steel, shall be heavily chrome plated.

Critical body and sub-frame area which cannot be primed after assembly shall be pre-painted.

All welded metal surfaces shall be ground to a smooth surface prior to a degreasing and high pressure, high temperature phosphatizing process. The entire surface shall be sprayed with a non-chromate sealing compound to prevent formulation of stains or flash rust on previously phosphatized parts.

The paint applied to the apparatus shall be AkzoNobel, Sikkens brand, LVBT650 basecoat, applied throughout a multi-step process including at least two coats of each color and clear coat finish.

The coating shall be an infra-red, baked air dried. The coatings shall provide full gloss finished suitable for application by high-pressure airless or conventional low pressure air atomizing spray.

The coatings shall not contain lead, cadmium or arsenic. The polyisocyanate component shall consist of only aliphatic isocyanates, with no portion being aromatic isocyanates in character. The solvents used in all components and products shall not contain ethylene glycol mono-ethyl ethers

or their acetates (commercially recognized as cello solves), nor shall they contain any chlorinated hydrocarbons.

The products shall have no adverse effects on the health or nor present any unusual hazard to personnel when used according to manufacturer's recommendations for handling and proper protective safety equipment, and for its intended use.

The coating system, as supplied and recommended for application, shall meet all applicable federal, state and local laws and regulations now in force or at any time during the courses of the bid.

The manufacturer shall supply (upon request) for each product and component of the system, a properly complete OSHA "Safety Data Sheet".

The following documents of the issue in effect on the date of the invitation to quote form a part of this document to the extent specified herein:

Federal Standards: Number 141A and 141B paint, varnish, lacquer and related material: methods of inspection, sampling, and testing.

Military Standard: MIL-C 83486B Coating, Urethane, Aliphatic Isocyanates, for Aerospace applications.

Industry Methods and Standards: ASTM Method of Analysis (American Society for testing and Materials). BMS 10-72A (Boeing Material Specifications).

The entire exterior body structure (excluding roll-up doors) shall receive the primer coats and the finish coats. The apparatus body will be painted in a down draft type paint booth to reduce dust, dirt or impurities in the finish paint. The painted surfaces shall have a finish with no runs, sags, craters, pinholes or other defects. The coating will meet the following test performance properties as a minimum standard.

BODY PAINT COLOR

The apparatus body shall be painted FLNA 32525 Red to match PPG 910853.

LINE-X COMPARTMENT FINISH

The compartment interiors shall be coated with Line-X.

COMPARTMENT FINISH COLOR

The Line-X Color shall be Medium Gray.

UNDERCOATING

The underside of the apparatus body shall be cleaned and prepared for the application of a sprayed on automotive type undercoating for added corrosion resistance.

The undercoating is to be of a quick dry rubberized, solvent based coating that is (black) in color. Resists rust and abrasion as it seals out dust and moisture.

The application does not include any additional underbody components.

FRONT AND REAR OVERLAYS

The lower front face of the apparatus body shall have overlay panels installed to match those provided on the adjacent pump discharge panels.

The entire rear face of the apparatus body shall have raw aluminum overlays installed for the installation of chevron striping.

All overlay materials shall be coated with 3M adhesive sealant on the back portion to provide an insulating barrier between dissimilar metals.

CATWALKS

The catwalks shall be constructed with materials of a non-slip .125 inch embossed aluminum diamond plate.

BODY ROOF COVER

The roof of the body shall be overlaid with materials of an embossed aluminum diamond plate.

AERIAL BODY MOUNTING SYSTEM

The complete apparatus body shall be modular in construction and built separately from the chassis. The apparatus body shall be mounted to the chassis framework. The body shall be combination bolted and welded to hangers to reduce fatigue of the body material in mounting locations.

Rubber isolators, of a specific durometer to carry the necessary loads of the apparatus body, shall be provided at various points where needed to help reduce vibration and minimize the stress absorbed by the body caused from chassis frame rail flexing.

BODY STRUCTURE WIDTH

The width of the apparatus body from the outside of the left compartments to the outside of the right compartments shall be 98" excluding any attached peripherals such as rub rails, fenderettes, grab handles, etc.

COMPARTMENT DRAINS

Two (2) .50" diameter drain holes shall be provided in all exterior apparatus compartments. Drains shall be protected from dust, dirt, and moisture by the stiffener channel on the underside of the compartment.

COMPARTMENT VENTILATION

To allow for proper air circulation & flow, each compartment shall have a venting route. The venting locations shall be determined by best fit for each body configuration. Louvered plate vents shall be installed appropriately on the compartment interior walls.

COMPARTMENTATION

The following compartments shall be supplied on the apparatus:

Compartment "L1"

There shall be one (1) compartment located above the forward outriggers on the left side of the apparatus.

The approximate interior dimensions of this compartment shall be 23.50" wide x 21.25" high with a depth of 24.75".

The framed opening shall measure approximately 23.50" wide x 19.50" high.

This compartment shall have a painted lift up hinged door with a D ring handle latch and gas shock hold open device. A single TecNiq LED light shall be installed in the ceiling of this compartment.

Compartment "L2"

There shall be one (1) full height compartment ahead of the rear wheels on the left side of the apparatus.

The approximate interior dimensions of this compartment shall be 36.75" wide by 70.75" high with a depth of 24.75".

The framed opening shall measure approximately 36.50" wide by 67.25" high.

Compartment "L3"

There shall be one (1) compartment located above the rear wheels on the left side of the apparatus.

The approximate interior dimensions of this compartment shall be 55.00" wide by 40.50" high with a depth of 24.75”.

The framed opening shall measure approximately 55.25" wide by 37.25" high.

Compartment "L4"

There shall be one (1) compartment located above the rear wheels on the left side of the apparatus.

The approximate interior dimensions of this compartment shall be 55.50" wide by 32.25" high with a depth of 24.00”.

The framed opening shall measure approximately 55.25" wide by 29.00" high.

Compartment "L5"

There shall be one (1) compartment behind the rear wheels on the left side of the apparatus.

The approximate interior dimensions of this compartment shall be 44.25" wide by 59.25" high with a depth of 24.00".

The framed opening shall measure approximately 44.00" wide by 59.00" high.

Compartment "R1"

There shall be one (1) compartment located above the forward outriggers on the right side of the apparatus.

The approximate interior dimensions of this compartment shall be 23.50" wide x 21.25" high with a depth of 24.75".

The framed opening shall measure approximately 23.50" wide x 19.50" high.

This compartment shall have a painted lift up hinged door with a D ring handle latch and gas shock hold open device. A single TecNiq LED light shall be installed in the ceiling of this compartment.

Compartment "R2"

There shall be one (1) full height compartment ahead of the rear wheels on the right side of the apparatus.

The approximate interior dimensions of this compartment shall be 36.75" wide by 70.75" high with a depth of 24.75".

The framed opening shall measure approximately 36.50" wide by 67.25" high.

Compartment "R3"

There shall be one (1) compartment located above the rear wheels on the right side of the apparatus.

The approximate interior dimensions of this compartment shall be 55.00" wide by 40.50" high with a depth of 24.75".

The framed opening shall measure approximately 55.25" wide by 37.25" high.

Compartment "R4"

There shall be one (1) compartment located behind the rear wheels on the right side of the apparatus.

The approximate interior dimensions of this compartment shall be 44.25" wide by 30.00" high with a depth of 24.00".

The framed opening shall measure approximately 44.00" wide by 25.50" high.

ROLL-UP DOOR CONSTRUCTION

All horizontal and vertical side compartment doors shall be roll-up style doors unless otherwise specified.

R·O·M ROLL-UP DOOR

A R•O•M Corporation Series IV roll-up shutter door shall be installed. Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum.

Shutter slats shall feature a double wall extrusion 0.315 inches thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slats must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design shall be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double “V” seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece “D” shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125 inches. Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counterbalance system. Counterbalance system shall be 4.00 inches in diameter and held in place by 2 heavy duty 18 gauge zinc plated plates. Counterbalance system shall have 2 over-molded rubber guide wheels to provide a smooth transition from vertical track to counterbalance system.

SIDE COMPARTMENT DOORS/TRACK/TRIM/WET PAINTED

The side compartment roll up doors, track and trim shall be wet finish painted to color match the apparatus body.

ROLL-UP DOOR PROTECTORS

There shall be a protective cover installed under Seven (7) body side compartment door roll(s) to protect the door in the rolled up position.

ROLL-UP DOOR PROTECTOR FINISH

The roll-up door protector shall be left Natural finish.

DOOR OPEN INDICATOR

Each roll up door shall have an integral door open indicator magnet in the lift bar.

If the door is not properly closed and the transmission is placed into drive or reverse mode with the parking brake released, it shall activate the “hazard light” in the cab to alert the crew.

HINGED DOOR CONSTRUCTION

The compartment doors above the front outriggers shall be flat overlap, double seal style with double panel construction. Outer door panel shall be 3/16" aluminum with an inner door panel of 1/8" aluminum. Compartment door seals shall be closed cell rubber, attached to the perimeter of the door to seal to the surface of the body and attached to the inner door flange to seal the inner pan of the door.

Compartment door latches shall be Eberhard #206 with Hansen stainless steel bent "D" ring outer latch assembly. The compartment door latches shall be dual catch slam action type. The second door of a double door compartment shall have an internal slam-action latch.

Automatic, gas-filled cylinder type, door stay arms shall be provided - two (2) per horizontally hinged door. The stay arms shall cushion door movement.

Compartment door hinges shall be full-length polished stainless steel piano type with 1/4" stainless steel pin. Hinges shall be bolted to the body and to the doors.

DOOR ASSIST STRAPS

There shall be nylon straps installed on Two (2) compartment doors to assist in closing the door.

DOOR OPEN INDICATOR

Two (2) body compartment hinged doors shall be provided with an auto door switch. The switch shall be installed on the primary compartment door and activate the open door indicator when the door is opened.

The switch shall be of a magnetic style reed indicator type. Each switch shall be hermetically sealed rated to 10,000,000 cycles. The contact and magnetic housing shall snap-lock in the body material, one on the body and one in the door.

If the door is not properly closed and the transmission is placed into drive or reverse mode with the parking brake released, it shall activate the “hazard light” in the cab to alert the driver.

REAR SUPPLEMENTAL STORAGE COMPARTMENT

A supplemental storage compartment shall be provided on the rear vertical face of the apparatus on the driver's side. The compartment shall be as large as is practical within the space available.

The compartment shall be provided with a vertically hinged door constructed from the same material as the rear body overlay. The door shall be provided with a Hansen stainless steel bent "D" ring outer latch assembly with single quarter turn latch assembly. The door shall be connected to the "Door Open" circuit in the cab.

A single TecNiq LED light shall be installed in the ceiling of this compartment.

SILL PLATES

Mirrored stainless steel sill plates shall be installed at the bottom of Nine (9) body compartment door openings as specified.

ROM COMPARTMENT STRIP LIGHTING

ROM LED strip lighting shall be installed in the compartments as specified. Each light strip shall be of maximum length available to fit the opening.

The lighting in each compartment shall be on a separate circuit, and only illuminate when the compartment doors are open.

Two (2) ROM LED strip lights shall be installed in three (3) over wheel compartment(s).
Two (2) ROM LED strip lights shall be installed in one (1) low side compartment(s).
Two (2) ROM LED strip lights shall be installed in two (2) full height compartment(s).
Two (2) ROM LED strip lights shall be installed in the rear ladder compartment.

FLUSH FLAT BACK

The rear of the apparatus shall be equipped with a flush back construction with no tailboard extension.

The rear body shall be constructed such that the angle of departure shall be no less than 8 degrees at the rear of the apparatus when fully loaded, per (NFPA) 1901, Standard for Automotive Fire Apparatus.

WHEEL WELLS

Wheel wells shall have semicircular black polymer composite inner liners that are bolted to the wheel well panel and supported inboard by brackets that are connected to the body framework. Each wheel well shall be a continuous piece with no breaks or ledges where road grime or debris may accumulate. This liner shall be removable for access to suspension assembly for repairs. There shall be no exception to the bolted wheel well inner liner requirement.

WHEEL WELL PANELS

The body panel in the wheel well area on each side of the body shall be fabricated of same material type as the body and finish painted.

SCBA BOTTLE COMPARTMENTS

Cylindrical SCBA storage compartments shall be installed in the wheel well area above the wheel well liner, protected from dirt, rocks, and other debris.

The storage compartments shall be made of a tube that interfaces with a door and housing - fastened to the wheel well panel for a secure installation. The inside of each compartment shall be lined with material (if required) to protect the air bottles from being damaged.

The storage compartments shall be installed in the apparatus at an inclined angle and incorporate a 1" nylon safety loop to be attached to the top of the bottle, to prevent the bottles from sliding forward when stored. There shall be holes drilled in the tubes for drainage in the event that water enters the compartment. Each SCBA compartment shall be a minimum internal diameter of 7.5" and be at least 25" deep.

There shall be storage provided for three (3) bottles on the driver's side of the apparatus with one forward and two (2) between the tandem axle wheel wells. There shall be storage provided for four (4) bottles on the officer's side of the apparatus with one forward and one rearward and two (2) between the tandem axle wheel wells.

A polished finish stainless steel door with a push button latch shall be provided for each location.

FUEL FILL ASSEMBLY

There shall be a fuel fill assembly located on the driver's side rear wheel well panel accessing the chassis supplied fuel tank. The assembly shall be located in the area rearward of the axle that best suits efficient fuel filling with the space appropriated on the left side of the apparatus.

The fuel fill assembly will have a drain to allow overflow to drain on the back side of the apparatus body. The fuel fill cap shall be removable, manufactured of plastic materials, green in color.

The fuel fill cap shall be labeled "DIESEL FUEL". The fuel fill neck shall have a .375 inch inside diameter vent line installed from the top of the fuel tank to the fill tube.

Each fuel fill compartment shall be provided with a polished finish stainless steel door with a magnetic latch.

FENDERETTES

Four (4) polished stainless steel fenderettes shall be provided on body rear wheel well openings, two (2) each side. A rubber welting shall be provided between the body and the crown to seal the seam and restrict moisture from entering. A dielectric barrier shall be provided between the fender crown fasteners (screws) and the fender sheet metal to resist deterioration.

RIGHT SIDE EZ HOSE LOAD

There shall be one (1) hose bed area provided on the apparatus on the right side of the aerial turntable area. The hose bed shall be capable of holding 1000 feet of 5 inch hose in a flat lay. Access shall be from the rear of the apparatus for ease of deployment.

VINYL COATED NYLON HOSE BED COVER

A hose bed cover constructed of vinyl coated nylon material shall be provided and installed on the apparatus.

The cover shall be held in place by extruded aluminum channel on the front and an elastic shock cord sewn into the tarp with brass grommets where the shock cord passes through the hose bed cover on the sides. Hooks shall be provided on the sides to provide a means of attaching the cover to the apparatus. The hooks shall be made of cast aluminum.

HOSE BED COVER COLOR

The hose bed cover shall be red in color.

REAR HOSEBED RESTRAINT

There shall be a vinyl flap that extends down over the rear of the hose bed provided and installed with the apparatus. The cover shall be fastened by an elastic shock cord sewn into the tarp with brass grommets where the shock cord passes through the hose bed cover. Hooks shall be provided on the lower corners to provide a means of attaching the cover to the apparatus. The hooks shall be made of cast aluminum.

THE COVER WILL BE HELD IN PLACE BY AN EXTRUDED ALUMINUM CHANNEL AT THE TOP.

REAR FLAP COLOR

The rear flap shall be red.

HOSE BED LIGHT

There shall be one (1) 4.00 inch round LED light provided to illuminate the hose bed.

The light shall be recess mounted in the upper forward wall of the hose bed area.

HOSE BED LIGHT ACTIVATION

The hose bed light shall be activated when the park brake is set.

TANK CAPACITY

The tank shall be 500 gallons (1893 liters) in capacity.

UPF POLY TANK III

The booster tank shall be constructed of PT3™ polypropylene material. This material shall be a non-corrosive stress relieved thermoplastic and UV stabilized for maximum protection. The booster and/or foam tank shall be of a specific configuration and is so designed to be completely independent of the body and compartments.

All joints and seams shall be fused using nitrogen gas as required and tested for maximum strength and integrity. The tank construction shall include PolyProSeal™ technology wherein a sealant shall be installed between the plastic components prior to being fusion welded. This sealing method will provide a liquid barrier offering leak protection in the event of a weld compromise. The top of the booster tank is fitted with removable lifting assembly designed to facilitate tank removal. The transverse and longitudinal swash partitions shall be manufactured of a minimum of 3/8" PT3™ polypropylene. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All swash partitions interlock with one another and are completely fused to each other as well as to the walls of the tank. All partitions and spacing shall comply with (NFPA) 1901, Standard for Automotive Fire Apparatus. The walls shall be welded to the floor of

the tank providing maximum strength as part of the tank's unique Full Floor Design™. Tolerances in design allow for a maximum variation of .125 on all dimensions.

WATER FILL TOWER AND COVER

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of .50 inch (12.7 mm) PT3™ polypropylene. The fill tower shall be blue in color indicating that it is a water-only fill tower. The tower shall be located in the best suitable location. This is usually in the right front corner of the tank unless an alternate location is required. The tower shall have a .25 inch (6.4 mm) thick removable polypropylene screen and a PT3™

Polypropylene hinged cover. The capacity of the tank shall be engraved on the top of the fill tower lid. Inside the fill tower there shall be a combination vent/overflow pipe. The vent overflow shall be a minimum of schedule 40 polypropylene pipe with a minimum

I. D. of 4.00 inch (100 mm) that is designed to run through the tank and shall be piped to discharge water behind the rear wheels as required in (NFPA) 1901, Standard for Automotive Fire Apparatus, so as to not interfere with rear tire traction.

The tank cover shall be constructed of .50 inch (12.7 mm) thick PT3™ polypropylene and UV stabilized, to incorporate a multi-piece locking design, which allows for individual removal and inspection if necessary. The tank cover(s) shall be flush or recessed 3/8" from the top of the tank and shall be fused to the tank walls and longitudinal partitions for maximum integrity. Each one of the covers shall have hold downs consisting of 2.00 inch (50 mm) minimum polypropylene dowels spaced a maximum of 40.00 inch (1016 mm) apart. These dowels shall extend through the covers and will assist in keeping the covers rigid under fast filling conditions. A minimum of two lifting dowels shall accommodate the necessary lifting hardware.

MOUNTING

The UPF Poly-Tank® III shall rest on the body cross members in conjunction with such additional cross members, spaced at a distance that would not allow for more than 530 square inches of unsupported area under the tank floor. In cases where overall height of the tank exceeds 40.00 inch (1016 mm), cross member spacing must be decreased to allow for not more than 400 square inches of unsupported area. The tank must be isolated from the cross members through the use of hard rubber strips with a minimum thickness and width dimension of .25 inch (6.4 mm) x 1.00 inch (25 mm) and a "Shore A" scale hardness of approximately 60 durometer. The rubber must be installed so it will not become dislodged during normal operation of the vehicle. Additionally, the tank must be supported around the entire bottom outside perimeter and captured both in the front and rear as well as side to side to prevent tank from shifting during vehicle operation.

A picture frame type cradle mount with a minimum of 2.00 inch (50 mm) x 2.00 inch (50 mm) x .25 inch (6.4 mm) mild steel, stainless steel, or aluminum angle shall be provided or the use of corner angles having a minimum dimension of 4.00 inch (100 mm) x 4.00 inch (100 mm) x 4.00 inch (100 mm) by 6.00 inch (150 mm) high are permitted for the purpose of capturing the tank.

Although the tank is designed on a free floating suspension principle, it is required that the tank have adequate vertical hold down restraints to minimize movement during vehicle operation.

If proper retention has not been incorporated into the apparatus hose floor structure, an optional mounting restraint system shall be located on top of the tank, halfway between the front and the rear on each side of the tank. These stops can be constructed of steel, stainless steel or aluminum angle having minimum dimensions of 3.00 inch (77 mm) x 3.00 inch (77 mm) x .25 inch (6.4 mm) and shall be approximately 6.00 inch (150 mm) to 12.00 inch (304.80 mm) long. These brackets must incorporate rubber isolating pads with a minimum thickness of .25 inch and a hardness of 60 durometer affixed on the underside of the angle. The angle should then be bolted to the body side walls of the vehicle while extending down to rest on the top outside edge of the upper side wall of the tank. Hose beds floors must be so designed that the floor slat supports extend full width from side wall to side wall and are not permitted to drop off the edge of the tank or in any way come in contact with the individual covers where a puncture could occur. Tank top must be capable of supporting loads up to 200 lbs. per sq. foot when evenly distributed. Other equipment such as generators, portable pumps, etc. must not be mounted directly to the tank top unless provisions have been designed into the Poly-Tank® III for that purpose. The tank shall be completely removable without disturbing or dismantling the apparatus structure. The tank must be designed and fabricated by a tank manufacturer that is ISO 9001:2008 certified. The ISO certification must be to the current standard in effect at the time of the design and fabrication of the tank.

TANKNOLOGY™ TAG

A tag shall be installed on the apparatus in a convenient location and contain pertinent information including a QR code readable by commercially available smart phones. The information contained on the tag shall include the capacity of the water and foam(s), the maximum fill and pressure rates, the serial number of the tank, the date of manufacture, the tank manufacturer, and contact information. The QR code will allow the user to connect with the tank manufacturer for additional information and assistance.

FILL TOWER

The fill opening shall be approximately 10.00 inches (254.00 mm) x 10.00 inches (254.00 mm). The tower will have a .25 inch (6.40 mm) thick removable polyprene screen and a polyprene hinged type cover that will open if the tank is filled at an excess rate.

There shall be a removable .25 inch (6.40 mm) thick polyprene screen to prevent debris from falling into the tank.

The fill tower shall have a 3.00 inch (75.00 mm) overflow that will discharge from the rear of the tank to the ground behind the rear wheels. The overflow shall terminate above the tank water level when filled to the rated capacity.

TANK CLEANOUT

There shall be a 3.00 inch (77 mm) plug located at the front of the tank for use in draining and cleaning out the tank.

OUTLETS

In addition to the tank suction valve outlet located at the front of the tank, there shall be an outlet provided for the tank fill valve. If there are any additional options selected (such as direct tank inlets), there shall be additional outlets provided to accommodate these items.

REAR CENTER LADDER STORAGE AREA

There shall be a rear center storage area constructed for ladder storage. The ladder storage area shall utilize the area enclosed by the torque box of the aerial device. The ladder storage area shall be constructed as large as possible within the confines of the torque box area.

The ladder storage area shall be used to store ground ladders on edge. The area shall be divided to allow removal of any such ladder without disturbing the storage of any other. The ladders shall be stored on slides to separate the ladders from each other. The lower slides shall be fabricated of extruded polyester structural angles for low friction and prevention of damage to ground ladder rails. The upper slides shall be fabricated of formed aluminum laminated with polypropylene wear pads to hold the ladders in alignment and prevent metal to metal contact between the ladders and slides. The ladder slides shall be bolted in place for easy removal.

Ladder stops shall be provided at the front of the ladder slides to prevent the ladders from sliding forward. A hinged ladder stop shall be provided at the rear to prevent the ladders from sliding rearward and fouling the roll-up door.

Storage for up to six (6) standard hook type pike poles shall be provided in the rear ground ladder storage area, unless otherwise noted. Each pike pole shall be stored in an individual, properly labeled, 2.25" diameter aluminum tube.

The ladder storage area shall also be utilized for storage of any other miscellaneous equipment as available space allows.

A roll-up door shall be provided over the rear ladder storage area to provide access to the storage area and prevent dirt and road grime from drafting into the area.

REAR LADDER DOOR FINISH

The rear ladder compartment door shall be satin aluminum finish.

GROUND LADDERS

The following ground ladders shall be provided:

One (1) Duo-Safety 24 foot (7.0 m) two (2) section aluminum extension ladder(s), model 900A.

Two (2) Duo-Safety 35 foot (10.0 m) two (2) section aluminum extension ladder(s), model 1200.

One (1) Duo-Safety 14 foot (4.0 m) aluminum roof ladder(s) with folding hooks and pronged feet on both ends, model 775DR.

One (1) Duo-Safety 16 foot (5.0 m) aluminum roof ladder(s) with folding hooks and pronged feet on both ends, model 875DR.

One (1) Duo-Safety 20 foot (6.0 m) aluminum roof ladder(s) with folding hooks and pronged feet on both ends, model 875DR.

One (1) Duo-Safety 10 foot (3.0 m) aluminum attic ladder(s), model 585A.

One (1) Duo-Safety 14 foot (4.0 m) aluminum 2-section Fresno ladder(s), model 701-A.

FIRE HOOKS UNLIMITED PIKE POLES

- one (1) Fire Hooks Unlimited 12 foot (3.6 m) solid white ash National Hook(s), model NH-12.

- one (1) Fire Hooks Unlimited 8 foot (2.4 m) solid white ash National Hook(s), model NH-8.

- two (2) Fire Hooks Unlimited 6 foot (1.8 m) solid white ash National Hook(s), model NH-6.

OUTRIGGER ACCESSORIES

The outriggers shall be controlled from the rear of the apparatus. A control box with a hinged door shall be provided and installed, one (1) each side, installed per NFPA, lighted for night operations. There will be a side to side indicator provided and installed at the rear of the apparatus to aid in leveling the unit.

The outrigger control doors shall be fabricated from Mirror finish stainless steel.

AUXILLARY GROUND PAD STORAGE HOLDERS

Two (2) drop-in type auxiliary ground pad storage holders shall be provided. Each holder assembly shall be designed to hold a two (2) auxiliary ground pads. The storage holders shall be located under the apparatus, as close to the rear outrigger/stabilizer as design allows.

The holders shall be fabricated of aluminum.

OUTRIGGER COVERS

Mirrored stainless steel covers shall be installed over the outrigger areas on each side of the apparatus, front and rear. Each active cover shall mount directly to the outrigger stabilizer arm and extend with the outrigger.

TURNTABLE ACCESS CORNER STEPS

A "Corner Step" access step arrangement shall be provided and installed at each rear corner of the apparatus for access to the turntable.

The access steps shall be located rearward of the side body compartments. The step treads shall be constructed of 3/16" aluminum diamond plate with a slip resistant aluminum open grating type stepping material insert.

The steps shall be permanently secured to the body with mechanical fasteners. Five (5) stationary steps with a single fold down step at the bottom shall be provided on each side of the apparatus. When deployed, the fold-down step shall create a safe and comfortable climbing angle.

The steps shall utilize as much of the available space in the rear body corner recessed areas and be as large as is practical. The steps shall be arranged with equal height between and shall be sized to provide an inclined climbing angle.

A mechanical locking mechanism shall be provided to retain each fold down step in a stowed and secured position when in transit or when not in use. Access step illumination shall be provided during low light conditions.

If the step is not properly stowed and the transmission is placed into drive or reverse mode with the parking brake released, it shall activate the hazard light in the cab to alert the crew.

HANDRAILS KNURLED SST

All handrails shall be 1.25 inches in diameter, constructed of knurled #3 polished stainless steel tubing. There shall be a 2.00 inch minimum clearance between the bracket and the body. The handrails shall be spaced away from the body using chrome plated ends.

The following handrails shall be installed at the approximate gripping lengths as noted:

REAR HANDRAIL LOCATION

Two (2) sets of handrails shall be provided and installed at the rear of the apparatus, one (1) handrail on each side of the access steps. Each handrail shall be of an adequate length, as available usable space allows, to provide a suitable gripping area for personnel.

STEP LIGHTING

Eight (8) Tecniq model #E03-W000 series hooded step light(s) shall be installed to illuminate the stepping surfaces.

The light(s) shall be directed towards and positioned above the stepping surfaces.

UNDER ACCESS STEP LIGHTING

One (1) light shall be installed to illuminate the ground beneath each of the access step areas specified. The light shall be a TecNiq model T44 series, 4" round, 8 diode LED light.

The light shall be directed beneath and positioned below the access step area.

LIGHTING ACTIVATION

Step lighting shall be activated when the park brake is set.

SIDE COMPARTMENT UNISTRUT

Vertically mounted Unistrut shall be installed in all apparatus body compartments not located above the outriggers, in the upper and lower sections, to accommodate the installation of shelves, trays, and or other miscellaneous equipment.

COMPARTMENT FLOOR MATTING

Turtle Tile floor tiles shall be installed on the floor of all exterior compartments. The tile shall be custom fitted to the interior compartment floor construction to protect the entire floor surface from equipment damage.

FLOOR MATTING COLOR

The floor matting shall be black in color.

FLOOR EDGING

Tapered floor tile shall be installed along the compartment floor edges with floor matting. The beveled tile shall be custom fitted to the matting installed and the interior compartment construction. The tapered tile shall aid in the removal and installation of equipment while protecting the compartment floor edge from equipment damage.

FLOOR EDGING COLOR

The tapered edges shall be black.

SIDE RUB RAILS (ALUMINUM CHANNEL)

The lowest edge of the apparatus body side compartments shall be trimmed with brightly anodized aluminum channel rub rail material.

The rub rails shall be approximately 2.50 inches high with flanges turned outwards for increased rigidity, with each end chamfered to a 45 degree angle. The rub rails shall not be constructed as an integral part of the apparatus body structure, allowing each rub rail to be easily removed in the event of damage.

The rub rails shall be secured with stainless steel fasteners and spaced away from the apparatus body with .50 inch nylon spacers, to help absorb moderate side impacts and prevent the collection of water and debris for easier cleaning.

RUB RAIL RETRO-FLECTIVE STRIPING

One inch retro-reflective striping shall be applied to the length of each side rub rail section making the perimeter of the apparatus more readily visible.

The reflective striping shall be "Ruby Red" in color.

TOW EYES

There shall be two (2) tow eyes installed on the rear of the apparatus, one (1) each side. The tow eyes shall be connected directly to the torque box and extend down below the apparatus body. The tow eyes are to have an inside diameter of approximately 3.00 inches and shall be painted to match the torque box.

LOW-VOLTAGE ELECTRICAL SYSTEM (MULTIPLEX)

Common power distribution areas shall be located at various points on the body and pump area (if applicable). These power distribution areas shall include the multiplexing input/output modules. Additional electrical components in these areas may include, but not be limited to, common power and ground studs, ground busses, solenoids, terminal strips, relays, and circuit breakers. All circuits shall have some form of circuit overcurrent protection either internal to the multiplexing device or external in the form of fuses or circuit breakers.

Wiring shall conform to section 13.2 of NFPA 2016, including wire type, identification, and rating; sizing for voltage drop and current load; and connections and terminations. Wiring protection shall include loom and braid and also meet section 13.2 of NFPA 2016, including temperature and moisture protection. Connections shall be made using Deutsch connectors, Packard connectors, ring terminals, and terminal lugs, as well as other accepted practices. The body and pump compartment (if applicable) shall be bonded to the vehicle frame.

VISTA SCREEN LAYOUT APPROVAL

Vista screen layouts shall be provided prior to manufacturing for fire department approval.

PERIMETER LIGHTS LOCATION

There shall be six (6) underbody perimeter lights installed on the apparatus positioned to provide illumination to the immediate ground area around the unit.

One (1) each side under the front body compartments, one (1) each side under the rear body compartments, and two (2) under the rear of the apparatus.

PERIMETER LIGHTS

The underbody perimeter lights provided will be TecNiq model T44 series, 4" round, 8 diode LED lights.

PERIMETER LIGHTS ACTIVATION

The perimeter lights under the body shall be activated with activation of the chassis ground lights.

UPPER LIGHTING PACKAGE

The following NFPA lighting package, manufactured by Whelen, shall be supplied and installed in the upper areas of the vehicle.

UPPER ZONE C:

There shall be two (2) Whelen model L31HRFN series red beacons with 360 degree LED lights, provided and installed on the apparatus, one (1) each side on the rear upper outboard corners.

The upper ZONE C specified lights shall be mounted directly to the horizontal body surface as far rearward as possible.

UPPER REAR WARNING LIGHT SWITCH E-MASTER/VISTA

The upper rear warning lights shall be controlled through the master warning switch and a secondary rear warning switch located on the Vista display control screen. The switches shall be clearly labeled for ease of identification.

LOWER LED WARNING LIGHTING

The following NFPA lighting package, manufactured by Whelen, shall be supplied and installed in the lower areas of the vehicle.

LOWER ZONE B&D:

There shall be four (4) Whelen model M6V2 series LED lights with chrome bezels provided and installed on the apparatus. The lights shall be configured with an M6 V series LED warning light in the upper section and an LED "Perimeter" light in the lower section. Perimeter light shall be activated with the application of the parking brake.

SIDE WARNING LIGHTS FLASH

The side warning lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors.

SIDE WARNING LIGHTS COLOR

The lower side warning lights mounted on the side positions shall be red with clear lenses in both the upper warning light and in the lower perimeter light section.

SIDE WARNING LIGHTS LOCATION

The warning lights on the side of the apparatus shall be mounted, one (1) on each active outrigger panel.

LOWER SIDE WARNING LIGHT SWITCH E-MASTER/VISTA

The lower side warning lights shall be controlled through the master warning switch and a secondary side warning switch located on the Vista display control screen. The switches shall be clearly labeled for ease of identification.

LOWER ZONE C:

There shall be two (2) Whelen model M6 series Super-LED lights provided and installed on the rear of the body.

REAR WARNING LIGHTS FLASH

The rear warning lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors.

REAR WARNING LIGHTS COLOR

The lower rear warning lights mounted at the rear shall be red with clear lenses.

MOUNTING FLANGES

There shall be individual mounting flanges provided for "Lower Level Zone C" warning lights mounted above the taillight assembly. The light bezel(s) shall be provided with a chrome finish.

LOWER REAR WARNING LIGHT SWITCH E-MASTER/VISTA

The lower rear warning lights shall be controlled through the master warning switch and a secondary rear warning switch located on the Vista display control screen. The switches shall be

clearly labeled for ease of identification.

LED REAR TAILLIGHT ASSEMBLY

There shall be Whelen M6-Series Super LED rear taillight assemblies provided and installed with the apparatus, one (1) each side at the rear.

The following shall be installed:

One (1) #M6BTT LED red brake light
One (1) #M6T LED series amber turn signal light
One (1) #M6 BUW LED clear backup light

REAR DOT LIGHTS COLOR

The rear DOT lights (Stop, Tail, Turn) shall be provided with colored lenses appropriate to their function.

MOUNTING FLANGES

There shall be individual mounting flanges provided for each light of the taillight assembly.

The light bezel(s) shall be provided with a chrome finish.

BACKUP LIGHTS

The backup lights shall illuminate when the apparatus is placed in reverse.

LED DOT LIGHTING

There shall be seven (7) lights located on the rear of the apparatus. Three (3) of the lights shall be mounted on the rear of the apparatus center location of the tailboard, for use as identification lamps. Two (2) lights and red reflectors shall be located on the lower rear of the apparatus in the outboard locations.

Two (2) additional lights shall be located on the rear outboard locations, one (1) each side as high as possible.

Two (2) lights and red reflectors shall also be mounted on the sides facing the side at the rear corners, for use as clearance lamps.

The lights shall be Weldon brand 9186-1500 series LED red markers.

LED INTERMEDIATE TURN SIGNAL LIGHTING

There shall be two (2) amber intermediate turn signal/marker lights and amber reflectors on the sides of the apparatus (one (1) each per side) between the front and rear axles.

The lights shall be Weldon brand 9186 series LED amber markers.

INTERMEDIATE TURN SIGNALS

The intermediate turn signals will flash with the turn indicators.

BRITAX LIGHTING

There shall be two (2) LED Britax lights, model number 63-4610, with rubber stalk mounts installed on the body, one (1) each side, as far to the rear as possible.

REAR DIRECTIONAL LIGHTBAR

There shall be a Whelen model #TAM65 36.00 inch long directional lightbar with six (6) amber TIR-Super LED light heads provided and installed on the apparatus. The traffic advisor shall include model TACTL5 control head that includes remote flash control.

DIRECTIONAL LIGHTBAR LOCATION & PROTECTION

The rear directional light bar shall be installed directly above the rear ground ladder storage door.

A .125 inch embossed aluminum diamond plate light shield shall be installed directly above the rear directional light bar to protect the light bar from accidental damaged during hose loading and unloading operations. This light shield shall not be used as a stepping surface.

RDL CONTROL HEAD MOUNTING LOCATION

Rear Directional Lightbar control head shall be recess mounted in the center rocker panel at the center location.

REAR VIEW CAMERA LOCATION

A camera shipped loose with the chassis shall be surface mounted at the center location on the rear of the apparatus body for maximum viewing capability. A protective shroud shall be installed over the system to protect against damage.

SIDE SCENE LIGHT LOCATION

There shall be two (2) scene lights installed on the body, one (1) each side, on the side facing vertical body panel above the rear outrigger.

SCENE LIGHT MODEL

Whelen model #M9LZC LED gradient scene lighting shall be surface mounted on the apparatus with a chrome bezel.

Each light shall offer LED directional lighting from 2 to 40-degrees with internal and external optics. The lamp shall draw 6 amps and generate 6,500 lumens.

BODY SIDE SCENE LIGHT ACTIVATION

The scene lighting shall be activated by a virtual button on the Vista display control screen.

The switch shall be labeled as follows:

Side Scene

REAR SCENE LIGHTING

Rear scene lighting shall be located on the top of the body, at the rearmost location possible.

Two (2) FRC "So Brite" model SRA-07A series, 12VDC, LED scene lights, on appropriate mounting bases as required, shall be provided.

Light(s) shall include a white finish housing.

REAR SCENE LIGHT ACTIVATION

The rear scene lighting shall be activated when the apparatus transmission is shifted into reverse and by a weather resistant push button switch at the rear of the body on the vertical panel.

The switch shall be labeled as follows: Rear Scene

HARRISON HYDRAULIC 10,000 WATT GENERATOR

The generator shall be one (1) Harrison Hydraulic Driven Generator rated at 10,000 watts, 84/42 amps, 120/240VAC, 60Hz, 1-phase.

LINE VOLTAGE ELECTRICAL SYSTEM REQUIREMENTS

The specified line voltage power unit shall be installed with strict compliance with NFPA 1901 guidelines, and all associated components and equipment to be installed shall comply with NFPA 70 and applicable standards of the National Electrical Codes. Line voltage electrical system equipment and materials used with the system shall all be listed, properly installed in accordance with the manufacturer's instructions, and only in the manner for which they have been listed.

SYSTEM INSTALLATION AND WIRING

The generator system shall include proper grounding and bonding as required in NEC "Portable and Vehicle Mounted Generators". Non-grounded systems shall not be used. Only stranded or copper conductors shall be used for grounding and bonding purposes. An operator instruction plate, and generator rated performance specification plate, shall be permanently installed at the circuit breaker control panel.

Wiring shall be properly installed from the circuit breaker panel to all specified 120/240 volt accessories, including permanent circuit identification and rating specifications as applicable.

Wiring materials used for the specified accessories shall be either THHN type in non-metallic liquid tight flexible conduit, or heavy duty SO copper cable. Either type shall be rated for 600 volts at not less than 194 degrees Fahrenheit.

UL TESTING 110/220-VOLT & GENERATOR

The apparatus electrical and generator system shall be tested and UL, LLC certified in accordance with the requirements of NFPA 1901.

UL TESTING 110/220-VOLT & GENERATOR

The apparatus electrical and generator system shall be tested and UL, LLC certified.

HARRISON HYDRAULICALLY DRIVEN GENERATOR (MAS FALCON)

The generator shall be designed and assembled by a company with no less than 20 years' experience in the manufacture of hydraulic driven generators. The generator components shall be housed in a structural steel frame, which affords protection to the components and provides a unitized mounting module.

The generator shall have top access to the oil filter, oil fill tube and electrical interface box. The hydraulic oil reservoir shall include an oil level sight gauge visible from three sides; an oil temperature gauge; an oil fill cap; an oil filter and an internal venturi boost unit to provide positive pressure to the pump suction port.

The hydraulic oil reservoir shall be shipped attached to the structural steel frame. The hydraulic oil reservoir shall have an option to be remote mounted if required. The generator shall have a cover consisting of embossed aluminum diamond plate. A meter package that provides the frequency, voltage and amperage of each leg shall be provided.

The generator shall not utilize electronic controls or a multiplex system to control the frequency. The generator shall include a bypass solenoid to remotely turn the generator on/off with a 12 VDC signal. The generator shall be a commercial type with a heavy-duty bearing and of brushless design to ensure low maintenance. No brushes or slip rings shall be allowed.

The generator and motor shall be close coupled and aligned using a Morse taper with a through bolt to secure the motor to the generator.

No two (2) bearing generators shall be permitted. The system shall be capable of producing the full nameplate power when driven from the vehicle PTO from idle to maximum engine speed. The generator shall be able to be used while vehicle is either stationary or in motion. The generator shall provide an option for a self-sealing air intake to prevent re circulation of exhaust air.

The generator shall provide an option for a vertical exhaust fan in addition to the air intake fan. Single fan systems shall not be allowed.

The generator shall provide a dedicated air intake duct for the alternator and a dedicated air intake duct for the heat exchanger. Both air intake ducts shall be located on the same side of the generator. The hydraulic motor and pump shall be of axial piston design to provide low internal leakage and a high degree of frequency stability. Gear motors shall not be allowed. The hydraulic pump shall match the system with the proper orifice, pressure compensator, and load sense settings to provide stable output regardless of engine rpm or electrical load demands. Use of electronics to control the flow shall not be allowed.

The system shall be capable of normal operations using a commonly available premium hydraulic oil; Mobile DTE series or equivalent. All fluid service points shall be in close proximity to the reservoir for ease of scheduled maintenance.

When properly installed, the system shall be warranted for a period of not less than two (2) years or 2000 hours, whichever should come first.

The generator shall be tested at the full nameplate rated load prior to shipping and the test report shall be included. The test report will document the generator's performance at various loads from no load to full load to ensure reliable power delivery at those loads.

GENERATOR DISPLAY

A FROG (Frequency Regulation of Generator) generator display kit shall be installed to monitor a 60 Hz, generator.

The kit shall include:

- Display module.
- Voltage transformer.
- Current transformers and cables.

The display module shall consolidate five (5) generator monitoring instruments into one device. The display case shall be waterproof and have dimensions not to exceed 4.25 inches high by 4.25 inches wide by 3.25 inches deep.

The following continuous displays shall be provided with super bright LED digits more than .50 inches high:

- Generator frequency in hertz
- Line 1 current in ampere
- Line 2 current in amperes
- Generator voltage in volts

The program shall support the accumulation of elapsed generator hours and the monitoring of hydraulic oil temperature. Generator hours and oil temperature shall be displayed at the push of a button. Audible warning alarm outputs are provided for generator overload, over/under voltage fluctuations, and high oil temperature.

GENERATOR DISPLAY LOCATION

The display shall be installed on the pump operator's gauge panel.

GENERATOR LOCATION

The unit shall be located on top of the body, in the area forward of the turntable, between the left and right side body compartments.

HOT SHIFT PTO

The generator hydraulic pump shall be attached directly to the rear of the aerial "Thru Drive" hydraulic pump which is driven by the "hot shift" PTO installed on the chassis transmission as

described elsewhere within these specifications. The PTO shall be ‘engaged’ by a switch in the cab.

A second switch with an indicator light shall be provided to excite the generator. The switch shall be labeled “GENERATOR EXCITE”.

GENERATOR EXCITE

The generator excite application shall be activated by a rocker switch located on the cab dash or other operator accessible area in the cab and by a weather resistant toggle switch located at the pump operator’s panel.

LOAD CENTER

An electrical load center shall be provided and installed in a protected environment on the apparatus. The load center shall have provisions for up to twelve (12) single pole, manual reset type circuit breakers, two (2) of which will be utilized for the "Main" circuit.

LOAD CENTER L-2

The load center shall be recess mounted in the rearward wall of the L-2 compartment and shall be located as “best fit” to avoid interference and maintain functionality.

SIDE SCENE LIGHT LOCATION

There shall be two (2) scene lights installed on top of the body, one (1) each side, at the front body corners.

SCENE LIGHT MODEL

Whelen Pioneer model #PFP1AP pedestal mounted scene light shall be provided on the apparatus.

The 75 watt, 120v AC Pioneer lighthead shall measure 9.75 inches high by 10.81 inches wide by 6.06 inches deep. The lighthead shall produce 10,000 lumens and have an amp draw of 0.6 amps.

BODY SIDE SCENE LIGHT ACTIVATION

The scene lighting shall be activated by two (2) virtual buttons on the Vista display control screen and two (2) weather resistant toggle switches at the pump operator's panel, one (1) for each light.

The switch shall be labeled as follows:

Left Scene

Right Scene

CORD REEL

One (1) Hannay model #ECR series cord reel shall be installed on the apparatus as specified.

ELECTRICAL CORD

The reel shall come equipped with 200 feet of yellow 10-3 electrical cord. There shall also be a cord stop supplied with the reel.

DISTRIBUTION BOX

The cord shall be hardwired to a Circle D remote power distribution box with four (4) NEMA L5-20 single receptacles. The distribution box shall be stored in a mounting bracket when not in use. The box shall be equipped with a light to indicate when distribution box is energized.

The distribution box shall be equipped with the following receptacles:

Position 1: NEMA L5-20 R
Position 2: NEMA L5-20 R
Position 3: NEMA L5-20 R
Position 4: NEMA L5-20 R

The power distribution box shall be provided with a high visibility yellow exterior finish.

REWIND ACTIVATION

A weather resistant push button switch to activate the reel rewind shall be located next to the reel specified.

The switch shall be labeled “CORD REEL”.

REEL LOCATION

One (1) reel is to be located in the R-1 Compartment.

The reel shall be placed in the forward position of the above stated compartment.

ROLLER ASSEMBLY

There shall be a four (4) way roller assembly provided and fastened to the reel frame to guide the cord on and off the spool to prevent chafing on the body or compartment opening.

110 FOOT 750# TIP LOAD REAR MOUNT AERIAL LADDER SPECIFICATIONS

GENERAL INFORMATION

The aerial ladder assembly shall be a four (4) section telescoping steel ladder, with a pre-piped waterway, steel turntable, torque box and outriggers.

INTENT OF AERIAL SPECIFICATIONS

The intent of these specifications is to describe a telescoping elevating ladder of the true ladder type. It shall consist of four (4) steel ladder sections, a steel turntable, a tube torque box and four outriggers. The rated vertical height of the unit shall be **110'** and the rated horizontal reach shall be **99**'.

It is the intent of the purchaser that the device must meet all the requirements of the National Fire Protection Association's (NFPA) 1901, Standard for Automotive Fire Apparatus. It is also the intent of the purchaser to secure a fire service proven piece of apparatus that shall be manufactured in the U.S.A.

It is not the intent of the purchaser to deviate from this requirement; therefore, ladders attached to booms, whether solid or lattice, or articulating arms shall not be considered as meeting these specifications or the intent of these specifications.

DESIGN STANDARDS

The design criteria of the unit shall be to create a structure and system that emphasizes safety, product reliability, and ease of operation. These criteria are:

1. All structural load supporting elements of the aerial ladder that are made of a ductile material, shall have a design stress of not more than 50 % of the minimum yield strength of the material based on the combination of the rated capacity and the dead load. This 2:1 structural safety factor meets the American National Standards Institute (ANSI) and the current National Fire Protection Association (NFPA) 1901, Standard for Automotive Fire Apparatus, standard.

2. The aerial device shall be capable of sustaining a static load one and one-half times it's rated tip load capacity (live load), in every position in which the aerial device can be placed when the vehicle is on a firm and level surface.

3. The aerial device shall be capable of sustaining a static load one and one-third times it's rated capacity (live load) in every position in which the aerial devices can be placed when the vehicle is on a slope of five degrees downward in the direction most likely to cause overturning.

4. The hydraulic system shall be designed so that if a failure of any component or assembly within the system occurs, a single point failure of the entire system will not occur.

5. The aerial shall be capable of operating with a rated tip load of either of the two of the following conditions:

A. Conditions of high wind of up to 50 mph.
B. Conditions of icing, up to a coating of .25” over the entire aerial structure.

The manufacture shall state what wind and ice conditions their aerial device is capable of operating without reducing the rated tip load. NO EXCEPTION!

All of the design criteria must be supported by the following test data:

1. Strain gauge testing of the complete aerial device certified by a **Registered Professional Engineer**.

2. Analysis of deflection data taken while the aerial device was under test load.

3. Hydraulic component operating and burst strength testing.

MATERIAL STANDARD

All structural materials used in the aerial shall be certified by the mill of the manufactured material. Materials that are not certified shall not be acceptable.

GENERAL APPARATUS DESCRIPTION

The unit shall be designed to conform fully to the **"Aerial or Quint Fire Apparatus"**

requirements as stated in the (NFPA) 1901, Standard for Automotive Fire Apparatus, shall include the general requirements as stated in Chapter 4 for Aerial or Quint Apparatus.

AERIAL DEVICE MOUNTING

The elevating aerial device turntable shall be rear mounted thus providing the following vehicle benefits:

1. Improved mobility vs. mid-ship mounted units, due to shorter overall travel length and wheelbase.

2. Increased compartmentation, hose load and water capacity in body, resulting from the aerial being raised to clear the cab.

3. Shorter vehicle wheelbase.

4. Shorter overall length of vehicle.

HEIGHT AND REACH

The height of the unit shall be a minimum of **110'** as measured by (NFPA) 1901, Standard for Automotive Fire Apparatus, requirements, which requires the rated vertical height of an aerial ladder shall be measured in a vertical plane with the ladder at maximum elevation and extension from the outermost rung of the outermost fly section to the ground. The bidder will state the height of the unit as measured by (NFPA) 1901, Standard for Automotive Fire Apparatus, standards.

The horizontal reach of the unit shall be a minimum of **99'** as measured by (NFPA) 1901, Standard for Automotive Fire Apparatus, requirements, which states, “The rated horizontal reach of an aerial ladder shall be measured in a horizontal plane from the centerline of the turntable rotation to the outermost rung on the outermost fly section with the aerial ladder extended to its maximum horizontal reach." The bidder shall state the reach of the unit as measured by (NFPA) 1901, Standard for Automotive Fire Apparatus, standards.

WELDMENT FIXTURES

To ensure exact tolerances between parts and part interchangeability, all weldments shall be manufactured in fixtures. To further ensure weld integrity in all weldments, all aerial device fixtures must be able to position the weldments in the number 1 flat welding position resulting in maximum weld penetration in the welded material for both the tack and final weld process of the aerial device.

AERIAL PAINTING

Prior to any painting, all weldments such as the outrigger beams, torque box, turntable, and aerial ladder sections shall be shot blasted, cleaned and inspected to ensure the removal of any surface imperfections and to insure superior paint adhesion to the metal.

The entire painting system shall utilize a single manufacturer's paint for compatibility between primers and finished coats. The paint shall be AkzoNobel, Sikkens brand, “Top Coat”, applied throughout a multi-step process. All painting shall be done in atmosphere controlled spray booths. The weldments will be primed with a zinc corrosive inhibitor and an Epoxy Primer. All seams between adjoining pieces that are not continuously welded shall be caulked to inhibit corrosion.

Before assembly, in preparation for final painting, the aerial unit shall be thoroughly cleaned, conforming to good painting practices.

AERIAL DEVICE PAINT

The aerial ladder sections, Turntable base, side plates and deck structure shall be painted the same color unless specified otherwise.

The finished paint color shall be FLNA 96920 Metallic Gray to match FBCH 948387.

AERIAL APPARATUS CERTIFICATIONS (TYPE 1)

The aerial device shall be tested in compliance with the National Fire Protection Association's (NFPA) 1901, Standard for Automotive Fire Apparatus.

The following tests shall be conducted by personnel holding a Level II certification to detect defects and improperly secured components:

1. Magnetic particle inspection shall be conducted on all ferrous welds to assure the integrity of the weldments and also detect any flaws or weaknesses. These tests shall be performed prior to paint or assembly.

2. Ultrasonic inspection shall be used to detect any flaws in pins, bolts and other critical mounting components. The bolts shall be tested after they have been torqued to ensure the bolt was not damaged.

3. All extension/retraction cables shall be tested and certified by the cable vendor.

4. Functional tests, load tests, stability tests and visual structural examination shall be performed. These tests will determine any unusual deflection, vibration, or instability characteristic of the unit.

5. Hydraulic oil shall be sample tested prior to delivery.

6. A waterway system flow/pressure test shall be performed.

Upon completion of the preceding inspections, the independent testing company shall issue a Certificate of Inspection indicating that all specified standards have been satisfied. The Type I certification shall be provided by **Underwriters Laboratories, LLC (UL, LLC)**. Aerial

manufacturers not utilizing third party, independent testing companies shall not be acceptable.

TESTS

The following test shall be conducted to the aerial device prior to delivery; all listed tests shall be witnessed and certified by Underwriters Laboratories, LLC (UL, LLC) to ensure the device meets all current requirements of (NFPA) 1901, Standard for Automotive Fire Apparatus.

1. 1-1/2:1 DYNAMIC STABILITY AND LIFT TEST - A test of the apparatus shall be performed that the aerial device sections are so designed and powered to support a load representing 150% of the manufacturer's rated tip load capacity at maximum horizontal reach on level ground. Since this is a dynamic test, the load must be raised, lowered and rotated without evidence of instability.

2. 1-1/3:1 DYNAMIC STABILITY AND LIFT TEST - A test of the apparatus shall be performed that the tip and aerial device sections are so designed and powered to support a load representing 133% of the manufacturer's rated tip load capacity at maximum horizontal reach on a five (5) degree slope. Since this is a dynamic test, the load must be raised, lowered and rotated without evidence of instability.

3. TIME TEST - A test of the apparatus shall be performed to raise the ladder from a bedded position extended to full height and rotated through a 90 degree turn smoothly and without undue vibration in not over 120 seconds.

4. WATER TOWER TEST #1 - A test of the apparatus shall be performed to test its ability to discharge 1000 gallons per minute parallel to the aerial device with the unit at full extension and zero degree elevation. The unit shall be capable of performing this test while loaded to its rated tip load capacity.

5. WATER TOWER TEST #2 - A test of the apparatus shall be performed to test the ability to discharge 1000 gallons per minute, 90 degrees to the side of the aerial device with the unit at full extension, zero degree elevation. The unit shall be capable of performing this test while loaded to its rated tip load capacity.

Bidders must state their ability to comply with all of the above tests. Failure to do so shall be grounds for rejection of their bid.

AERIAL ELECTRICAL SYSTEM

12VDC electrical power for the aerial device shall be drawn from the chassis electrical system and routed through major segregated circuits and into an electric collector ring assembly. The circuits shall provide power for the aerial device controls, indicators, and interlocks; other circuits shall power auxiliary equipment such as lights, intercom, etc.

The electric collector ring assembly shall provide power for electrical ground, aerial device control functions, 12 and 120 volt systems. The collector rings shall be enclosed in a sealed, weatherproof housing to prevent corrosion.

All aerial device wiring shall be multi-conductor, copper 18 gauge (minimum), color-coded, with thermosetting cross-linked polyethylene insulation. All aerial device wiring shall be in pre-engineered harnesses with each circuit identified by number and color code. Harness connections shall be through locking, weatherproof, guided pin connectors.

HYDRAULIC SYSTEM

The hydraulic system shall provide power in as efficient a manner as possible. The system shall use a piston type load sensing pump and shall be capable of operating under any rated load condition and aerial position at normal engine idle (slow idle) or governor controlled fast idle. The piston pump shall be capable of generating sufficient flows to allow multiple function operation without significant loss of speed.

The system shall not be dependent upon an auxiliary cooler to control system temperature.

POWER TAKE OFF (PTO)

The apparatus shall be equipped with a "Hot-Shift" power take-off (PTO) driven by the chassis transmission as described elsewhere within these specifications. The PTO shall be actuated by an electric switch located inside the cab. An indicator light shall be located in the cab to show when the PTO is engaged.

A master "Aerial Power" switch shall be provided for engagement of all aerial device hydraulic functions and 12-volt power. The "Aerial Power" circuit shall only engage with the parking brake applied and the transmission in neutral or drive if the fire pump (if equipped) is engaged.

An indicator light shall be located in the cab to show when the "Aerial Power" circuit is energized. The emergency pump circuit shall be controlled separately.

AERIAL PTO HOURMETER

An hourmeter shall be installed in the chassis cab as described elsewhere within these specifications. The hourmeter shall be wired to the PTO circuit to record hours of PTO operation for the aerial device. The hourmeter shall aid in scheduling preventative maintenance as outlined in the operator's manual.

ENGINE HIGH IDLE ACTUATOR

The high idle actuator shall be used to raise the engine RPM to a preset level for proper aerial operation. The high idle switches shall be located in the chassis cab, at the stabilizer control station and the aerial control station.

For the safety of personnel and equipment, the high idle system shall not activate unless the interlock systems have been applied, the chassis spring brake is set, and the transmission is in neutral.

AERIAL HYD, PUMP

The aerial hydraulic pump shall be drive shaft driven directly from the chassis provided PTO.

The pump shall be "Thru Drive" in design to allow the generator hydraulic pump to be directly attached and powered by a single PTO output.

HYDRAULIC OIL RESERVOIR

A hydraulic oil reservoir shall be provided to supply the needs of the hydraulic system. The tank

shall be constructed from 7 gauge steel with welded interior and exterior seams. The tank shall be properly sized to provide optimal cooling and operational efficiency for the entire aerial hydraulic system.

Gated suction and drain lines shall be provided between the oil reservoir and the primary hydraulic pump. The tank fill shall be provided with a strainer screen, vent cap and magnetic drain plug. There shall be a sight level gauge for checking fluid levels.

The tank shall be cleaned and free from all contaminants before adding any fluid.

HYDRAULIC SYSTEM FILTRATION

Outgoing and return line filtration shall be provided. The pressure and return filters shall be easily accessible for maintenance.

Outgoing filtration shall be in the form of a pressure line filter installed between the hydraulic pump and entrance to any system components. The filter shall have an absolute rating of ten (10) microns. The pressure filter shall have a bypass circuit protected by a 50-psi check valve, which shall be installed around the pressure filter. The pressure line filter shall be required even if a suction line filter is provided in the reservoir due to the suction line filter's inability to trap contaminates entering the system.

A filter condition indicator shall be provided.

The return line flow shall be filtered by means of a return line filter. This filter shall have an absolute rating of ten (10) microns.

EMERGENCY HYDRAULIC PUMP SYSTEM

In the event of failure of the main hydraulic pump or vehicle engine, the unit shall be equipped with an emergency hydraulic pump.

The pump shall be plumbed into the hydraulic system and shall be electrically driven from the chassis batteries. The emergency pump shall be capable of limited functions of the ladder and outriggers to stow the unit. The pump shall be controlled from the right and left outrigger control stations with spring loaded momentary contact switches.

The emergency pump shall have a separate hydraulic oil supply line, attached directly to the hydraulic oil reservoir. A shutoff valve shall be provided, and a check valve shall be incorporated on the pressure side of the pump.

HYDRAULIC HOSE, TUBING AND FITTINGS

All hydraulic steel tubing, hydraulic rubber covered wire-braided hoses, and hydraulic fittings/adapters shall have a minimum burst pressure rating of four times the operating pressure. Hoses and tubing shall be properly sized to minimize heat buildup during extended periods of operation. Hoses and tubing shall be properly sized to minimize flow restrictions.

All hydraulic hose shall have a tube and cover constructed of Nitrile elastomers and shall have braided/spiral wire reinforcement capable of maintaining a 4:1 safety factor in all areas of the hydraulic system. The hose shall meet the appropriate SAE performance specifications: 100 R2

or 100R12.

SUPPLEMENTAL AERIAL HOURMETER

An additional aerial hourmeter shall be installed inside the turntable control console pedestal to record the actual hours that the aerial device is in motion. The hourmeter shall aid in scheduling preventative maintenance as outlined in the operator's manual.
The hourmeter shall be analog and require no switching to be turned "On" in order to read the display.

OUTRIGGER/AERIAL INTERLOCK

The aerial hydraulic system shall include an interlock feature that will prevent the accidental operation of the outriggers during aerial operation. This interlock shall also prevent accidental operation of the aerial device prior to the outriggers being properly deployed.

In the event of electrical failure, the operator shall be able to override the hydraulic system to operate the aerial device or outriggers for continuous, uninterrupted operation. A 5,000 psi hydraulic oil pressure gauge shall be provided and installed at the override location to monitor the overall pressure of the hydraulic system.

LIFT, EXTENSION AND ROTATION HYDRAULIC CONTROL VALVE

A three-function hydraulic proportional valve bank shall control ladder functions. The valve shall be located at the turntable with direct linkage controls.

TORQUE BOX

A tube torque box sub-frame shall be provided to transfer all aerial loads and torque into the four (4) outriggers, thus preventing the loads from being transferred through the chassis.

The torque box shall include two (2) "H-Box" (outrigger housing) weldments, forming a single structural weldment for aerial load distribution among the outriggers.

The torque box shall be bolted to the chassis frame with .75” SAE grade 8 bolts.

TORQUE BOX PAINT

The finished paint color shall be FLNA 41878 (to match 9000) black.

OUTRIGGERS

The apparatus shall be equipped with four (4) "H" style "out and down" outriggers. The extension of the horizontal outrigger beams shall provide a 14’ outrigger stance.

Five (5) slide pads shall be provided for each outrigger beam assembly to provide smooth operation and to extend the life of the outrigger.

The front outriggers shall be mounted at the front of the body. This design shall provide proper stability and minimize front axle and suspension loads while the aerial device is in operation over

the front of the apparatus. The rear outriggers shall be mounted underneath the chassis frame to allow more ground ladder storage above the frame.

For ease of maintenance, the outrigger extension cylinders shall be equipped with end connections, which do not require removal of body panels to remove pins or the extension cylinders. The outrigger jack cylinders shall be removable by unbolting the jack tower cap and lifting the cylinder out vertically.

OUTRIGGER SYSTEM HYDRAULIC CONTROL VALVES

A directional control valve that is designed for parallel hydraulic circuit operations shall control the outrigger cylinder system. This valve shall be modular in design so that individual sections can be replaced in the field, rather than complete valve assemblies, thus reducing maintenance costs. Each valve shall be equipped with a heavy-duty electric solenoid for electric control of the outrigger from the remote operator's station.

OUTRIGGER CONTROLS

Two (2) illuminated outrigger control stations shall be provided, one (1) on each side of the rear of the vehicle. For safety, ease of deployment and operational speed, the outrigger controls shall be of the electric over hydraulic proportional type with manual overrides immediately accessible.

The outrigger controls shall be enclosed in a recessed compartment to protect each control from damage or accidental movement. The controls shall be located such that the operator can see the outrigger he is operating. Body designs that block the view of the outriggers from the control station shall not be acceptable.

Each outrigger control function shall be operated independently, so that the vehicle may be set up in restricted areas or on uneven terrain.

Each outrigger control station shall incorporate the following:
-Outrigger beam and jack actuator controller
-Outrigger/Jack deployed indicator light
-Fast idle switch
-Emergency pump control switch
-Warning decals

OBSTRUCTION DETECTION & DISPLAY SYSTEM

The O.D.D.S (Obstruction Detection & Display System) shall incorporate a sonic emitter and sensor on each outrigger to detect obstacles in the potential path of each outrigger as the apparatus approaches the fire scene for deployment.

O.D.D.S DISPLAYED ON VISTA

When activated, a representation of each outrigger shall be provided on the Vista Display in the cab. If no obstructions are detected, the outriggers shall be shown in the extended position. If an obstruction is detected in the potential path of any outrigger, that outrigger will not be displayed.

An O.D.D.S enable switch shall be provided on the Vista Display.

EXTENSION CYLINDERS

Each extension cylinder shall have a 3.00" internal bore with a minimum 2.00" chrome plated cylinder rod.

The extension cylinders shall be fully enclosed within the outrigger beam, preventing them from being nicked or scored during operations on the fire ground.

JACK CYLINDERS

Each jack cylinder shall have a 5.00" internal bore with a 3.50" chrome plated cylinder rod. The jack cylinders shall be equipped with integral (on the cylinder) holding valves, which shall hold the jack cylinder in either the stowed position or the deployed position should a hydraulic line be severed at any point within the hydraulic system.

To minimize side loading and subsequent seal failure of the vertical jack cylinder, a 1.62" wide load bearing UHMW wear band shall encircle the jack cylinder barrel, providing load distribution over a 360 degree plane. Designs which could allow load concentration on one side of the vertical jack cylinder shall not be acceptable.

In order to provide faster setup time for the aerial on the fire ground, and to eliminate the possibility of damage to the housing should the outriggers be retracted with the jack pins left in, designs that require the use of jack pins shall not be acceptable.

For ease of maintenance, the outer jack tube shall be designed so that the cylinder can be removed from the top. Designs that require the outrigger beams to be removed or the jack cylinder positioned over a pit for jack cylinder removal, shall not be acceptable.

OUTRIGGER BEAM PAINT

The finished paint color shall be FLNA 96920 METALLIC GRAY.

OUTRIGGER PADS

A permanently attached self-centering floating type 1/2" thick, 154 sq. inch steel pad shall be provided on each outrigger. The pad shall swivel and require no adjustment during outrigger set-up.

The outrigger pad shall be attached without the use of a bearing type swivel due to maintenance required on this design. Outrigger pads that pivot in only one plane shall not be acceptable due to their inability to distribute loading over the total pad surface on uneven terrain.

AUXILIARY OUTRIGGER PADS

Four (4) auxiliary outrigger ground pads shall be provided for additional load distribution. Each ground pad shall be fabricated of 6061-T6 high strength aluminum alloy and shall measure 3/8" x 24" x 24". Each ground pad shall be equipped with a handle for easy use.

AERIAL/OUTRIGGER INTERLOCK SYSTEM

An interlock system shall be provided between the outriggers and aerial device that prevents the

operation of the aerial until the operator places all jacks in the load-supporting configuration. All jacks shall be equipped with a ground force sensitive switch that closes only when the jack is firmly in contact with the ground.

Until all the switches close, electrical and hydraulic power shall not be transmitted to the turntable, hence preventing aerial operation. Green indicator lights shall be provided on the outrigger control panel to indicate that the outrigger foot is in firm contact with the ground and in a load supporting position.

OUTRIGGER/STABILIZER DEPLOYMENT WARNING ALARM

An audible warning device shall be provided to warn personnel in the vicinity of the apparatus that the outriggers/stabilizers are in motion.

Whenever an outrigger/stabilizer control handle is utilized, the device shall produce a pulsing tone, separate and distinctive from that of other audible warning systems provided on the apparatus. When the control handle is released to its neutral position, the signal shall cease.

The warning device shall automatically enable the dB level to be raised or lowered by measurements of the ambient noise level.

OUTRIGGER LIGHTING AND REFLECTIVE STRIPING

Each outrigger shall be equipped with the following light and reflective striping package:

OUTRIGGER REFLECTIVE STRIPING

Retro-reflective material shall be provided and installed on both sides of the horizontal and vertical beams of the outriggers.

OUTRIGGER LIGHTING

There shall be an LED ground illumination light located at each outrigger or downrigger location to illuminate the footpad area.

The lights provided shall be TecNiq model T44 series, 4" round, 8 diode LED lights.

Truck Lite 7” round LED red flashing lights shall be provided as warning lights when the outrigger beams are extended.

Each stabilizer beam shall be equipped with a total of two (2) lights, one (1) facing forward and one (1) facing rearward. The lights shall be mounted inboard of vertical jack tubes.

Both the foot pad illumination lights and the flashing outrigger warning lights shall be activated by the aerial power switch.

TURNTABLE/TURNTABLE DECK

The turntable shall be a fabricated steel weldment designed for the rotation and elevation of the ladder sections. It shall consist of the following:

A steel bearing plate and matching top plate shall be machined to ensure proper fit to the rotation bearing. Manufactures that do not mill both bearing surfaces shall not be acceptable.

Embossed aluminum diamond plate deck shall cover the entire turntable frame, providing a walking surface.

An embossed aluminum diamond plate access step shall be mounted at heel of the ladder.

All handrails shall be a minimum of 42” high. For ease of grip, the handrail shall be manufactured from 1-1/4" O.D. knurled stainless steel material.

Turntables with the drive motor or breathing air bottles mounted in any walking areas (front or rear) of the turntable shall not be acceptable.

The right side of the turntable deck shall be designed to allow access to the side hose bed.

TURNTABLE ACCESS SAFETY CHAINS

The two (2) turntable handrail openings shall be equipped with safety chains at the rear of the turntable.

CRADLE ALIGNMENT INDICATOR ARROWS

Aluminum arrows with red Scotch-Lite coating shall be provided on the turntable surface, and on the apparatus body to indicate the alignment of the aerial device with the travel cradle. The indicators shall be suitably illuminated for nighttime operation.

Mechanical fasteners shall be used for installation.

AERIAL CONTROL STATION

There shall be an aerial control station located at the turntable. All elevation, extension and rotation operational controls shall operate from this position. These controls shall be arranged to permit the operator to regulate the speed of these operations within the safe limits as determined by the manufacturer. Load instruction plates shall be located at the control station to show the recommended safe load of the ladder. The control devices shall be clearly marked and suitably lighted.

TURN TABLE CONTROL STATION

The control station shall be located on the left side of the turntable, as the operator is facing the tip of the nested aerial ladder (Driver's side of the apparatus), in order to provide increased visibility of the ladder tip while operating the controls. The pedestal shall be set forward, away from the operator, to provide additional foot room.

The pedestal shall be constructed from an aluminum framework with an aluminum diamond plate wrapper. Access to the electrical and hydraulic components mounted inside the console shall be provided by either hinged doors or removable access panels. A hinged cover shall be provided over the console to protect the panel and controls. The top of the console shall be angled to face the operator for ease of ladder operation.

The console and turntable working areas shall be illuminated for night operations and shall have all controls and indicators clearly marked.

Controls and indicators provided shall include, but shall not be limited to;

Three (3) ladder function control levers.

A recessed, foot operated **"Operator Presence"** switch, which shall protect against accidental movement of the control handles.

Rung alignment indicator light for ladder climbing operations.

Cradle alignment indicator light on console.

Engine high idle control switch.

Outriggers Not Deployed Indicator Lights.

Intercom controls in console lid.

Bubble type angle indicator on base section near console.

Illuminated load chart.

Tracking Light Switch.

Tip Light Switch.

Monitor/Nozzle Control Switches.

Monitor Stowed Indicator.

Flowminder Display (If Selected).

Hydraulic Oil Pressure Gauge

Any additional switches and/or displays required by other options described elsewhere within these specifications, as available space permits.

The control console lid shall be provided with a black Line X finish.

AIR HORN BUTTON

An air horn button shall be provided at the turntable control console.

HYDRAULIC, ELECTRIC AND WATER SWIVEL

Hydraulic power to the turntable hydraulic circuits shall be provided through a three-port, high pressure hydraulic swivel permitting 360 degrees continuous rotation of the turntable.

Water shall be transferred to the aerial waterway by means of a 4" internal diameter water swivel, permitting 360 degree continuous rotation.

Electric power to the turntable electric circuits shall be comprised of a minimum of twenty two (22) ring collector assembly, permitting 360 degree continuous rotation of the turntable.

ELEVATION SYSTEM

Two (2) double-acting lift cylinders shall provide smooth, precise elevation from 7 degrees below horizontal to 78 degrees above horizontal. Units that do not operate below minus 6 degrees shall not be acceptable.

The lift cylinders shall have a 6" internal diameter, 3-1/2" diameter cylinder rod and a 36-1/8" stroke. Integral cylinder holding valves shall be provided to prevent the unit from lowering should the charge lines be severed at any point within the hydraulic system. Units that do not use holding valves on the cylinders shall not be acceptable. A hydraulic holding valve shall be provided in the elevation circuit to retain the aerial ladder in its bed when the vehicle is in motion.

The elevation cylinders shall be provided with both rod and piston "hydraulic cushions". The cushions shall serve to decelerate the cylinder near the end of its stroke resulting in a smooth stop at full cylinder stroke.

AERIAL INTERLOCK SYSTEM

A limit switch at the aerial travel support shall be provided to prevent operation of the outriggers/stabilizers once the aerial device has been elevated from the nested position.

EXTENSION/RETRACTION SYSTEM

A full hydraulic powered extension and retraction system of the ladder shall be provided through dual hydraulic cylinders and cables, each capable of operating the ladder in the event of failure of one of the systems.

The extension/retraction cylinders shall be equipped with integral (on the cylinder) holding valves to prevent the unit from falling should the charge lines be severed any point within the hydraulic system.

The extension cylinders shall be provided with both rod and piston "hydraulic cushions." The cushions shall serve to decelerate the cylinder near the end of its stroke resulting in a smooth stop at full cylinder stroke.

Cylinders in excess of 25 feet with the rod extended, or that require the attachment of the rod to the mid-section, shall not be desirable for two (2) reasons that are not consistent with the level of quality desired by the purchaser:

- Rod attachment to the mid-section requires that the lower rung rail cannot be sealed from the atmosphere and therefore long-term corrosion cannot be adequately controlled.
- The cylinder shall be subjected to the buckling forces caused by normal ladder deflection.

Cables attached to the base and mid ladder sections shall be routed over sheave wheels on the base section and cylinder barrel. This cabling arrangement shall act as a stroke multiplier to provide full-power ladder extension and retraction. Extension of the ladder sections shall be accomplished by the movement of the cylinder barrel toward the turntable end of the base section, thus providing better weight distribution when the ladder is extended.

Retraction of the ladder sections shall be accomplished by movement of the barrel toward the outboard end of the base section, thus providing better weight distribution between front and rear axles of the apparatus when stowed in the travel position.

The extension/retraction cables shall have a minimum safety factor of 5:1 and shall be of the following diameters:

- Inner Mid-Section: 9/16"
- Outer Mid-Section: 3/8"
- Fly Section: 1/4".

EXTENSION INDICATORS

Reflective numerals shall be affixed to the inside of the handrail of the base section opposite the turntable control console. The numerals shall be at appropriate intervals indicating total aerial extension in 10-foot increments. A band on the first fly section shall align with these marks at the appropriate extension distance. An additional stripe shall be provided between the numbered stripes to indicate each 5 feet of aerial extension.

The extension indicator color shall provide a high contrast with the color of the ladder section to which it is applied.

This shall make the length of aerial extension easily readable by the operator by merely glancing at the indicators.

The extension markers shall be provided in red reflective material.

LADDER SLIDE MECHANISM

UHMW slide pads shall be provided on each ladder section for load transfer between sections. Slide pads shall be used on both upper and lower bearing surfaces and to control side sway of the sections.

The pads shall utilize low coefficient of friction materials to reduce the resistance between the pads and ladder sections. The ladder rails shall be sprayed with a rust prohibitive paint designed to ride on a set of pads which require no greasing of the rails.

In order to maintain a high “in service” level of operation, the ladder shall be designed to require minimum amounts of lubrication.

AIR/ELECTRIC LADDER TRACK

All air and electric line routing from the turntable to the tip of the aerial device shall be accomplished using a flexible conduit system. Routing shall be such that cables shall be fully enclosed except at points of transition between sections.

The conduit shall run along the handrail uprights, between the ladder sections, so the conduit does not decrease the interior width of the ladder.

ROTATION SYSTEM

An external tooth monorace bearing shall be provided for 360 degree continuous rotation in either direction. To ensure proper bearing installation and long service life, surfaces of both the open base bearing plate and the turntable bearing plate shall be milled. Units that do not have milled bearing surfaces shall not be acceptable.

The bearing shall be bolted to the turntable and bolted to the open base support plate, using 7/8" diameter Grade 8 bolts. A planetary drive, powered by a hydraulic motor, shall provide precision rotation control throughout 360 degrees of rotation.

A spring-applied, hydraulically released disc type brake shall be furnished to provide positive braking of the turntable assembly against reactionary forces such as water flow and gravity.

The turntable rotation bearing shall be easily accessible for lubrication and retorquing of bolts from the turntable side, for ease of access.

Access to the turntable bearing bolts which requires the removal of the ground ladders and/or the ground ladder slide assemblies, during bolt retorquing process, shall not be acceptable.

ROTATION SAFETY SYSTEM

The Rotation Safety System shall be designed to prevent the operator who has primary operational responsibility from rotating the aerial device into an overturning mode. This system senses outrigger and outrigger jack positioning in conjunction with the aerial device movement. Indicator lights shall be provided on the turntable control console to indicate outrigger not fully deployed status.

If the aerial device operator attempts to rotate the aerial device (in excess of approximately 5 degrees beyond vehicle center) towards the side of the vehicle in which the outriggers are not fully deployed, the Rotation Safety System shall sense this fault and prevent the aerial from rotating further in said direction. At this point, only rotation to the fully deployed outrigger side shall be allowed.

AL-11 AERIAL INFORMATION SYSTEM

Aerial Logic Display

The aerial shall be equipped with a 7” color transmissive TFT LCD display located at the turntable control console. The display shall be viewable in direct sunlight, with a resolution of WVGA, 800 x 480 pixels, 16-bit color and an aspect ratio of 16:9.

The display shall feature LED backlighting, 1000 nit typical brightness (40,000 h lifetime). The display shall include an internal microprocessor Freescale IMX. 375 32bit, 532 MHz utilizing a QNX operating system. The display shall have a minimum 2 GB RAM flash memory and 128 Mbytes SDRAM. The display shall support J1939 and NMEA 2000 protocols.

For protection against extreme environmental conditions, connections shall utilize 2 Ampseal 23 pin connectors AMP770680-1 and AMP770680-4. User inputs shall be accomplished utilizing 14 tactile buttons located directly on the display. The display shall be capable of operating -40º C to +85º C and a minimum IP67 rating front and back. For maximum protection, the display case shall be constructed of Polycarbonate capable of random vibration, 7.86 Grms (5.2000 Hz), 3 axis and a shock of +/- 50G in 3 axis.

The display will gather ladder positional data from an array of sensors. This data will not only be displayed for the device operator, but the rotation and elevation sensors will also be used to protect the body, cab, and installed components from collision damage caused by the aerial device. The system shall be designed to warn the aerial device operator when the ladder is in a position where contact could occur while rotating the ladder at low angles and while lowering the ladder when it is positioned over the cab/body. The system shall prevent the aerial device from contacting the cab/body of the apparatus.

A visual and audible alarm shall be provided at the turntable control console. The system shall remain in the warning mode while the ladder is in a position where contact could occur. It shall deactivate only when the ladder is rotated away or elevated above the contact zone area.

A manual override shall be provided.

Indication for the load sensing system shall also be programmed into the AL-11 system at each of the control consoles.

Soft Keys

Columns of vertical keys shall be located to the left and/or right of the display. The soft keys correspond to the soft key commands and allow selections with a gloved hand. Icons shall be displayed on the screen adjacent to the soft key and will change according to the options available for the screen being displayed.

Screens

The display shall provide the operator with critical aerial information and switching of aerial electrical components in an easy to read format as follows:
•Extension Retraction Percentage – Digital readout shown 0% - 100%
•Ladder Angle -15 to 90 Degrees (Operational range of Aerial -8 to +72 Degrees)

•Rotation Position – 0 - 360 Degrees
•Ladder Load Percentage - Display live loads acting on the aerial structure shown as 0 - 100%
•Breathing Air – 0-6000 Psi (This is available only if optional breathing air has been specified)
•Bed Zone Alignment Light – When the aerial is aligned and within the bed zone the indicator shall change to a bright color to indicate it is safe to bed the aerial.

•Rung alignment light – When the aerial rungs of each section are aligned the indicator shall change to a bright color to indicate the rungs are aligned to provide safer climbing of the aerial.

Soft keys located on each side of the display shall be programmed to allow the operator to quickly change screens to view the following:

•High Idle – Label shall read “High Idle”. Pressing this soft key shall increase engine RPM to the

chassis pre-set high idle, pressing the button again shall return engine RPM to the chassis pre-set idle. The indicator shall change to a bright color to indicate the high idle has been activated.

•Emergency Power Unit - Label shall read “EPU”. Pressing this soft key shall activate the electric over hydraulic emergency power unit.
Engine Information Screen – An icon depicting an engine shall be displayed next to the soft key. Pressing this button shall allow the operator to switch to the screen displaying chassis engine information.
Day/Night Display Mode - An icon depicting the sun or the moon shall be displayed next to the soft key, pressing this button shall switch the display to from a bright format for daytime use or a subdued format for nighttime use to maintain greater vision of the operator.

Lighting /Customer Information Screen - An icon depicting a light bulb shall be displayed next to the soft key, pressing this button shall switch the screen from its current screen to the screen to control lighting on the aerial.

The following information shall be displayed on the aerial logic display:
•Customer name
•Production number
•Aerial device type
•Aerial device model number

•Aerial device serial number
•Rated vertical height
•Rated horizontal reach
•Rated capacity
•Contact information for the fire apparatus manufacturer. Information shall include name, address, phone number and website

Chassis Engine Information Screen

•Engine coolant temperature
•Oil pressure
•Transmission temperature
•Fuel level
•Battery voltage
•Engine RPM
•Engine Warnings – To include: Check Engine, Stop Engine, DPF Regeneration Required, Regeneration Status and High Exhaust Temperature.

HEAVY DUTY LADDER TRAVEL SUPPORT

A heavy duty ladder rest shall be provided for support of the ladder in the travel position. The ladder rest shall be attached to the chassis frame rails immediately rearward of the cab. The travel support shall be fabricated from heavy duty steel tubing and shall be designed to be easily removable to allow for ease of maintenance and repair if necessary.

The base section of the ladder shall contain stainless steel scuff plates where the ladder comes into contact with the ladder support. The travel rest shall be painted to match the torque box.

An indicator light shall be provided on the turntable to indicate when the ladder is aligned with the travel support and may be lowered into it.

AERIAL LADDER SECTION CONSTRUCTION

The aerial ladder shall be comprised of four (4) sections. The ladder section design objective shall complement the support of heavy or uneven aerial loads at low angles of elevation, or at full extension.

Each ladder section shall be fabricated in fixtures assuring uniformity, replace ability, or changeability, and shall be welded in accordance with American Welding Standards (AWS) criteria by certified welders.

The ladder sections shall be constructed of welded high-strength steel throughout. Each section shall be trussed diagonally, vertically, and horizontally, using steel rectangular tubing, reinforced at critical points for extra rigidity, thus giving a high strength-to-weight ratio. Each section shall be equipped with 1-1/4" diameter rungs, placed at no greater than 14-inch centers for ease of climbing.

To assure the level of quality desired, each ladder section shall include the following:

1. Base Section - All rails, including the lower rail, shall be sealed from the atmosphere. The base ladder section shall include a triangulated lifting configuration. This arrangement shall consist of front and rear cross tubes, forward triangle tube, rear triangle tube, lift cylinder outboard support tube and steel plating welded into place where the lifting cylinders attach to the aerial ladder base section.

2. Mid-Section, Outer Mid-Section and Fly Section - All rails, including the lower rung rail, shall be sealed as described for the base section.

All ladder rungs shall be welded to each rung rail section in two (2) places. K-bracing shall be provided between the rungs and the ladder rung rails to provide the ability to discharge water at 90 degrees to the side of the ladder.

All rungs shall be round and covered with deeply serrated, replaceable, heavy duty rubber sheaths, which shall be both glued and clamped securely to the rungs with metal clips. Due to high maintenance cost and difficulty in replacement of anti-slip rung surface and the inability to provide a safe surface during icing conditions, ladder designs that do not utilize rubber rung covers shall not be acceptable.

LADDER SECTION DIMENSIONS

All bidders shall state in the space provided below their dimensions on the unit proposed. Dimensions proposed must equal or exceed these specified. All Dimensions are from top of rung to top of handrail. All width dimensions are inside to inside of handrails.

Handrail	Height	Width
Base Section	24.00"	36.25”
Inner Mid	21.75"	31.00"
Outer Mid	20.00"	25.75"
Fly	18.125"	21.75”

OVERLAP SURFACES BETWEEN SECTIONS

Base to Inner Mid Fly Section	90.00"
Inner Mid Fly to Outer Mid-Section	90.00"
Outer Mid Fly to Fly Section	90.00"

LADDER EGRESS

A removable bolt on stainless steel egress shall be installed on the tip of the fly section. Only certified structural fasteners shall be utilized to attach the egress to the tip of the fly section. Additionally, the fasteners shall be stainless steel. This design shall allow for easy replacement should the egress become damaged during rescue operations. This shall prevent the department from experiencing serious downtime, as is common with welded on egresses. For this reason, a design that allows the egress to be welded to the fly section shall not be acceptable.

The egress shall have knurled handrails with an extended radius design at the tip to eliminate corner joints and increase strength. The straight design of the egress will allow the aerial waterway monitor/nozzle to be placed up to 30 degrees above horizontal centerline for additional range of water stream operation.

The rungs on the egress shall be held to the same design load criteria as the rungs of the aerial ladder sections. This mean that each egress rung shall be able to support the tip load rating of the aerial device, distributed across the rung as specified in NFPA 1901. This shall be in excess of that required by the aforementioned standard. The egress shall be left in a "Natural" Stainless Steel finish.

FLY SECTION FOLDING STEPS

Two (2) spring-loaded aluminum folding steps with non-slip aluminum grating inserts shall be installed in the fly section of the aerial to provide footing for an operator stationed at the tip of the fly section. Springs shall hold the steps in place during use and secure the steps in the stowed position when not in use. Each step shall have a surface area of 72 square inches and a minimum design load of 500 lbs. A folding Toe "Kick Plate" shall be provided at the forward edge of each step surface.

AERIAL WATER SYSTEM

The aerial waterway system shall be capable of being supplied by both the pump and an external water source with the inlet on the rear of the apparatus.

All piping from the pump and the inlet at the rear of the apparatus to the riser pipe below the turntable swivel shall be 4" Schedule 40 aluminum 6061 T6 pipe. A 4" tee shall join the pump discharge line and the rear inlet line.

A 4" water swivel shall be located in the riser pipe from the tee permitting 360-degree continuous rotation of the aerial device.

A 4" heel pin swivel connection between the aerial device waterway and the turntable swivel permitting water tower operations thru full aerial elevation range shall be provided.

A 2-1/2" automatic relief/dump valve shall be installed in the 4.00" lower water piping.

A 1-1/2" drain with valve control at the rear shall be provided to drain the aerial device water system.

TELESCOPIC WATERWAY

An anodized aluminum telescopic waterway shall be mounted beneath the center of the aerial ladder. The waterway shall have a 5" base section tube, 4-1/2" lower mid-section tube, 4" upper mid-section tube and a 3-1/2" fly section tube.

WATER SYSTEM FRICTION LOSS

As per NFPA, the friction loss (total system loss less head loss) shall not exceed 100 psi at 1000 GPM flow with the aerial device at full horizontal extension. The pressure reading for friction loss measurement shall be taken at the base of the monitor and at a point below the waterway swivel.

AERIAL WATERWAY FLOWMETER

The apparatus shall be equipped with a Class 1 Flowminder, model #FMS at the aerial discharge waterway to give the aerial operator an indication of actual volume of water (in gallons per minute) being discharged through the line. Display shall be located at the aerial operator's control console.

Flowminder system shall consist of:

1. A digital display shall be wired to the flow transmitter to show waterway discharge flow.
2. A flow transmitter mounted in the discharge line piping between the pump/inlet and the discharge outlet. The transmitter shall consist of a weather resistant black composite housing with a stainless steel, durable paddle wheel. The only part inserted into the water flow path shall be the paddle wheel.

The flowmeter shall be checked and calibrated prior to delivery of the apparatus.

MOVABLE MONITOR FEATURE

The aerial ladder waterway monitor shall be capable of being positioned at either the fly section for water tower operation or at the next lower ladder section for rescue. The aerial ladder shall be capable of full extension and operation when the waterway is connected to either section of the ladder.

The waterway and monitor shall have a positive lever type latching system to secure them either to the tip of the fly section or next lower section of the aerial ladder. A latching system requiring a pin to be removed from one location and repositioned into another location shall not be acceptable due to the possibility of dropping the latching pin.

The monitor shall be remotely operable from either position and shall transfer the electrical power and controls automatically. When operated from the rescue position (mid-section), the vertical range of motion of the monitor shall be limited to 0 degrees (horizontal center line of the aerial ladder).

Due to problems associated with aligning electrical connectors used to transfer power between rescue and water tower positions, the power transfer shall be achieved by a cable carrier system.

AERIAL WATER SYSTEM

A minimum 4" water swivel shall connect from the aerial waterway supply piping to the telescopic aerial waterway. The water swivel shall permit full operation at any elevation of the aerial device. The aerial waterway pipes shall be designed to reduce friction loss in the waterway.

All aerial waterway piping shall be completely removable for service or replacement. Aerial designs in which the waterway is welded or utilized for structural integrity of the aerial shall not be acceptable.

ELECTRICALLY CONTROLLED MONITOR

An Akron Brass, model 3480 StreamMaster II, 2000 gpm electric monitor, constructed of lightweight Pyrolite, shall be installed on the outer end of the telescoping aerial waterway. The monitor relay box shall be located on at the tip of the aerial device, adjacent to the monitor, and will be easily accessible for service.

The monitor and nozzle functions shall be controlled from the tip of the fly section through hard wired connections and wirelessly from each of the aerial control station(s) specified. The monitor and nozzle controls at the tip and optional control stations shall consist of three (3) individual spring loaded, self-centering, and weather resistant toggle switches.

The monitor shall be capable of a vertical sweep of 165 degrees, and a horizontal sweep of 180 degrees (90 degrees to each side of the aerial center line).

NOTE: Monitor operation above 0 degrees (horizontal center line of the aerial ladder) reduces payload capacity by 250 lbs.

A guarded, momentary "Monitor Stow" switch shall be provided and installed on the turntable control console.

NOZZLE

An Akron Brass, model 5178, Akromatic 2000 electric combination fog and straight stream nozzle with automatic flow mechanism that provides a flow range of 500 to 2000 gpm at 80 psi shall be provided. The nozzle shall be constructed of durable, lightweight Pyrolite and shall have electric pattern selection from straight stream to wide fog controlled by a 12V motor and linear ball screw, a manual override pattern control knob, and a built-in stream shaper.

LADDER CAPACITIES

The following ladder tip load capacities shall be established with the truck level; the outriggers fully extended and lowered to relieve the chassis weight from the axles. All capacities are based upon full extension and 360 degree rotation.

AERIAL CRITERIA AND STANDARDS

The following aerial ladder and water capabilities shall be established in the unsupported configuration with the truck level, the outriggers fully extended and lowered to relieve the chassis weight from the suspension. The capacities shall be based upon 360 degree continuous rotation and up to full extension. The ratings shall be based on average weight of personnel on ladder 250 lbs. each.

LADDER OPERATIONS

The ladder shall be designed to permit a 750 pound tip load, up to full ladder extension from -7 to 78 degree elevation.

WATER TOWER OPERATION

The ladder and water system shall be designed to permit 1500 GPM flow with water stream parallel to ladder or 90 degrees to either side of the ladder. The stream elevation shall be from 0 degrees above horizontal to 135 degrees below horizontal.

With the above flow rating, the ladder shall be capable of -7 to 78 degree elevation at full extension with a 500 pound tip load.

Note: Monitor operation above 0 degrees (horizontal center line of the aerial ladder) reduces payload capacity by 250 lbs.

OPERATIONS ON GRADES

The aerial unit shall be capable of operating with 100% of rated capacity on a slope of up to 10.5 degrees. Operating capacity shall be reduced to 50 % capacity for operating on a slope of 10.6 degrees to 15 degrees. Operation beyond a 10.5 degree slope shall be at operator's discretion. Devices that cannot provide this leveling capability are not acceptable.

COMMUNICATION SYSTEM

A Fire Research ICA900 Series (ACT) communication system shall be provided and installed between the aerial device tip and the aerial operator's position. The communication speaker at the tip shall require no operator attention to transmit or receive. The transmitting receiving volume controls shall be located at the aerial operator's position. These control modules shall have an LED volume display and push-button volume control.

AERIAL TIP LOCATOR LIGHTS

Two (2) lights shall be installed at the tip of the aerial device, one (1) each side, to help locate the tip of the aerial during fire ground operations.

Whelen L51AP series, LED beacons shall be provided and installed as specified.

The light(s) shall be amber in color.

AERIAL SPOTLIGHTS

All 12VDC aerial spotlights lights shall be mounted below handrail height, so as not to increase the overall height of the vehicle.

TRACKING LIGHTS

Two lights shall be mounted at the lower front portion of the base ladder section, forward of the lift cylinders, one (1) each side.

Two (2) FRC "So Brite" model SRA-07A series, 12VDC, LED scene light(s) shall be provided. The light(s) shall be mounted on appropriate mounting base(s) as required.

Light(s) shall include a white finish housing.

12VDC TIP LIGHT(S)

Two (2) 12VDC lights shall be mounted at the tip of the fly ladder section, one (1) each side. The lights shall be capable of swiveling 180 degrees and shall be mounted below handrail height, so as not to increase overall height of the vehicle.

Two (2) FRC "So Brite" model SRA-07A series, 12VDC, LED scene light(s) shall be provided. The light(s) shall be mounted on appropriate mounting base(s) as required.

Light(s) shall include a white finish housing.

TURNTABLE WORK LIGHTS

Five (5) TecNiq, model #E03-W000-1, LED turntable work lights shall be installed in the turntable step cover to illuminate the turntable area.

WALKWAY ILLUMINATION

The climbing area of the ladder shall be continuously illuminated utilizing a series of light emitting diodes (LED’s). The LEDs shall be located on both sides of each ladder section and shall be positioned near the ladder rails to maintain a clear walking area. A switch shall be provided on the turntable control console to activate the rung illumination lighting.

The LED lighting shall be Blue.

AERIAL 110 VAC WIRING

The AC wiring up the ladder shall be Thermoplastic Elastomer (TPE) control cables and shall be highly flexible with very fine copper stranding. The cables shall have a center core strain relief for high tensile strength. The conductors shall be braided in bundles around the high tensile strength core.

The outer jacket shall be gusset-filled, pressure-extruded, oil-resistant, bio-oil-resistant, PVC-free, halogen-free, and UV-resistant with low temperature flexibility. The cables shall have a minimum-bending radius of not greater than 5x the outer total diameter of the cable while moving.

One (1) 110 volt 20 amp electrical circuit utilizing a single 12 gauge 3 conductor electric cable shall be provided to the tip of the ladder. The circuit shall be wired from an enclosure below the turntable through the collector ring assembly.

OUTLET AT THE AERIAL TIP

A single 110 VAC outlet shall be provided at the tip of the aerial fly section, officer's side, as specified.

One (1) NEMA L5-20R, 120-volt, 3-wire, twist lock receptacle shall be installed. The receptacle shall have a 20-ampere rating and include a spring-loaded weather resistant cover if mounted in an exterior location. The receptacle shall be wired to the aerial 110VAC circuit.

AERIAL SPECIAL LABELS

Legible, permanent signs shall be installed in positions readily visible to the operator to provide operational directions, warnings, and cautions. The signs shall describe the function of each control and provide operating instructions.

Warning and caution signs shall indicate hazards inherent in the operation of the aerial device. These hazards shall include, but shall not be limited to:

Electrical hazards involved where the aerial device does not provide protection to the personnel from contact with, or near proximity to, an electrically charged conductor.

Electrical hazards involved where the aerial device does not provide protection to ground personnel who might contact the vehicle when in contact with energized electrically charged conductors.

Hazards from stabilizer motion.

Hazards that can result from failure to follow the manufacturer's operating instructions.

AERIAL DEVICE SPECIFICATION PLACARD

A permanent label shall disclose the following information relative to the aerial device:

Make

Model

Serial number

Date of manufacture

Rated capacity (s)

Rated vertical height

Rated horizontal reach

Maximum hydraulic system pressure

Hydraulic oil type and capacity

All other appropriate labels to ensure safe operation of the aerial device shall be permanently affixed in conspicuous locations.

APPARATUS LEVEL INDICATOR

Two (2) bubble type level indicator(s) shall be provided at the rear of the apparatus, visible to the operator setting the outriggers, to assist in the aerial device setup. The leveling indicator(s) shall be backlit, and color coded indicating the following conditions:

"Green" Safe Operating Zone.
"Yellow" Caution Operating Zone.
"Red" Do Not Operate Zone – Reposition Apparatus.

FORE/AFT LEVEL
An additional backlit leveling indicator shall be provided and installed to measure fore and aft level of the vehicle. The indicator shall be mounted near the left main outrigger control panel.

AERIAL SIGN PANELS

There shall be a total of two (2) Aerial sign panels provided and installed on the outside of the aerial base section, one (1) each side, for fire department lettering. Each sign panel shall have a lettering surface of approximately 13" wide x 120" long.

SIGN PANEL PAINT

The finished paint color shall be FLNA 32525 Red to match PPG 910853.

SPECIAL TOOLS

A toolbox shall be provided with the following special tools for checking the torque of specified bolts as recommended by the aerial manufacturer:

One (1) 1/2" drive, torque wrench
One (1) torque multiplier
One (1) ABR Backlash Adapter
One (1) Crimp Tool HDT-50-00
One (1) 1-1/8" x 6" torque wrench Weld
One (1) 3/4" drive 8" extension
One (1) 3/4" drive 13" extension
One (1) 3/4" drive 3/4" hex bit driver
One (1) 3/4" drive 1-1/8" standard depth socket
One (1) 3/4" drive 1-1/8" deepwell socket

One (1) 3/4" drive, 1-5/16" standard socket
One (1) toolbox TB11

AERIAL FILTER & LUBE SET

The following Filters and Lube shall be shipped loose to assist in maintenance of the aerial device as described by the manufacturer:

· One (1) Pressure Filter element
· One (1) Return Filter element
· Four (4) Tubes, Amsoil GPTR2CR grease
· One (1) Can, "Ultra Green" Wire Rope grease.

AXE MOUNTING

There shall be a mount provided and installed for a pick head axe in the fly section of the aerial. The axe mount shall include a receptacle that will cover the entire axe head and a PAC bracket to secure the axe handle.

The mounting location shall be on the same side of the aerial ladder as the control console.

PIKE POLE MOUNTING

There shall be one (1) mount(s) provided and installed in the fly section of the aerial for a pike pole. The mount shall include restraints for both ends of the pike pole.

The mounting location shall be on the same side of the aerial ladder as the control console.

ROOF LADDER MOUNT

Mounting brackets shall be installed on the outside of the aerial base section to store a single roof ladder. The mounting brackets shall be constructed from aluminum with a dual action sanded finish. The brackets shall be easily accessible from the inside of the ladder section or from the top of the body. The aerial sign plate (if specified) shall be mounted to the outside of the brackets.

The mounting location shall be on the opposite side of the aerial ladder as the control console.

ROOF LADDER MOUNT

The mounting brackets shall be designed and located to accommodate a 14' roof ladder.

FLY SECTION LOAD LIFTING/RAPPELLING EYES

The aerial device shall be equipped with two (2) load lifting/rappelling eyes at the tip of the fly section. The load lifting/rappelling eyes, as a pair, shall be rated not to exceed the tip load of the aerial device.

RESCUE ROPE ROLLER ASSEMBLY

The last rung of the aerial ladder shall be equipped with a removable rescue rope roller assembly. The assembly shall have a stainless steel shaft, dual tapered roller guide and two (2) pivoting lifting lugs. The assembly shall be rated at 500 lb. lift capacity.

REFLECTIVE STRIPING

There shall be a 4.00 inch (101.60 mm) inch reflective stripe with two (2) 1.00 inch (25.40 mm) accent stripes applied to the chassis and apparatus body as specified:

STRIPE PATTERN

The reflective striping shall be applied around the perimeter of the front of the apparatus in a straight line. In addition, when the stripe reaches the front area of the body, the stripe shall jog in a 'Z' shape pattern, then continuing around the rear of the apparatus at a slightly higher level.

STRIPE COLOR

The reflective striping shall be black in color.

REAR RETRO-REFLECTIVE CHEVRON STRIPING

A minimum of 50 percent of the rear-facing vertical surface, visible from the rear of the apparatus, shall be equipped with Diamond Grade, retro-reflective striping in a chevron pattern, sloping downward and away from the centerline of the vehicle at an angle of 45-degrees.

The stripe shall be 6.00 inches (152.40 mm) wide alternating in colors in compliance with (NFPA) 1901, Standard for Automotive Fire Apparatus.

CHEVRON COLOR

The retro-reflective chevron striping shall be red and fluorescent yellow green in color.

REFLECTIVE BODY/CAB LETTERING

Reflective letters shall be provided and installed on the apparatus as directed by the Fire Department. A maximum total of sixty (60) letters up to 3.00 inches (76.2 mm) high shall be provided.

AERIAL LETTERING

Reflective letters shall be provided and installed on each side of the aerial device base section. A maximum total of sixty (60) letters approximately 10.00 inches (254 mm) high shall be provided.

FIRE DEPARTMENT SUPPLIED DECALS

The apparatus decals shall be provided and installed by the Fire Department after final delivery of the completed apparatus.

LICENSE PLATE MOUNTING

A Cast Products, model LP0004-1-B, cast aluminum fully enclosed license plate bracket shall be installed. The bracket shall incorporate a clear LED light (WL0501) to illuminate the license plate and meet DOT requirements.

MISCELLANEOUS EQUIPMENT

The following equipment list shall be provided with the completed apparatus.

WHEEL CHOCKS

One (1) set of NFPA compliant Ziamatic folding wheel chocks model # SAC-44-E shall be supplied with the apparatus.

ZICO WHEEL CHOCK MOUNTING BRACKETS

One (1) set of Ziamatic folding wheel chock underbody horizontal mounts, model # SQCH-44-H, shall be installed on the apparatus under the body in front of the rear wheels on the right side.

RECHARGEABLE FLASHLIGHTS

All NFPA required portable hand lights will be supplied and installed by the Fire Department before the truck is placed into service.

LADDER BELTS

Gemtor Pompier Ladder/Escape life belt(s) model #531-540 with 18.00 inch extension shall be provided with the apparatus.

Each belt shall be made of nylon specially woven to meet the rigorous, texture and strength, intended for use as a positioning and emergency self-rescue device. Each belt shall be fitted with a double tongue buckle and Pompier hook enabling fast engagement and release.

The webbing shall have a minimum breaking strength of 9,000 pounds and an assembled capacity withstanding up to 2,000 pounds. There shall be a 3.00 inch wide buckle strap sewn with high tenacity nylon threads and a 5.00 inch wide riveted body strap.

The following shall be supplied:

One (1) #531-1 (Small) belt(s) with #540 extension.

One (1) #531-2 (Medium) belt(s) with #540 extension.

One (1) #531-3 (Large) belt(s) with #540 extension.

One (1) #531-4 (X-Large) belt(s) with #540 extension.

All remaining NFPA required equipment shall be supplied and installed by the Dealership before the truck is placed into service.

SPARTAN
REV GROUP
EMERGENCY RESPONSE

NXT 110' AERIAL



UNRESTRICTED AERIAL PERFORMANCE, AT ANY ANGLE AND EXTENSION.

No matter the conditions, no matter the demands, we've found a way to take firefighters to new heights in performance and safety.

For decades, Ladder Tower has risen to the occasion and established a heritage of building the best in the business, representing aerial strength and cutting edge performance day in and day out. That has never been more true with the next generation of the 110' Rear Mount Aerial - the NXT 110.

The NXT 110 yields maximum and unrestricted performance with up to 750-pound tip load, at any angle and extension. This performance combined with a low profile pump and short overall length deliver unprecedented maneuverability without sacrificing compartment space or performance.



PERFORMANCE SPECIFICATIONS

The NXT 110 eliminates the traditional pump house through unique packaging and delivers cutting edge aerial performance and apparatus versatility. Designed with firefighters in mind, the NXT 110 is built on a best in class chassis with 500 to 600 horsepower ratings and the #1 safety system in the industry.

More Compact and Maneuverable.

- Under 40' overall travel length
- Overall travel height as low as 11'
- 223" wheelbase
- 53° cramp angle

High Flow.

- 2,250 gpm fire pump
- Low profile NXT pump configuration
- Up to 500 gallon water tank

Maximized Space Usage.

- 245 cu. ft. of compartment storage
- Full depth rescue style compartments
- Up to 170 ft. of internal ground ladder storage
- Fully enclosed ground ladders 40" from the ground
- 1,000' of 5" LDH hose storage with officer side payout
- (2) 1-3/4" removable speedlays
- (1) 2-1/2" removable speedlay

High Performance Aerial Ladder.

- 110' vertical reach
- 99' horizontal reach
- 500 lb. tip load with 12' outrigger spread
- 750 lb. tip load with 14' outrigger spread
- 1,500 gpm aerial water flow capacity
- H-Style outriggers with 36.75" jack extension
- Operation on 20% fore/aft grades
- Operation on 24% side slope

Maximum Flow Capabilities.

A more compact, yet powerful NXT pump with up to 2,250 GPM and a 500 gallon tank provide the power needed to manage any situation. The pump is positioned at the rear of the cab under the seat extension allowing for a full body pump, without taking up space inside the cab. Low pump inlet and discharges provide a safe and ergonomic work environment.



MAXIMUM PUMP CAPABILITIES: *The non-proprietary NXT pump offers up to 2,250 GPM along with added room and storage in the cab and body.*



PUMP OPERATORS PANEL: *The pump operators panel can be found inside the L2 compartment. Choose from standard controls or the optional Omni Pump System shown above.*



LOW CROSSLAYS: *The low profile pump creates a safe and more ergonomic access to crosslays.*



MAXIMUM STORAGE SPACE : *The unique packaging of the NXT110 offers maximum storage space inside the cab and body compartments.*



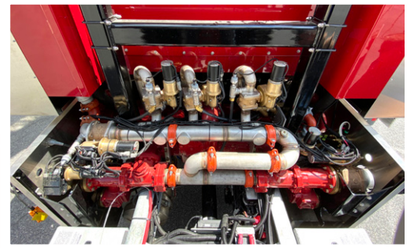
Industry Best Safety.

Like every truck we build, our focus is to keep first responders safe. The NXT 110 is engineered to be the safest in its class with the most extensive safety system in the industry, ergonomic controls, Advanced Filtration System, and safe access to ground ladders, hose beds and equipment.

The Spartan Advanced Protection System® (APS) is the #1 safety system in the industry and the only to offer front and side impact protection, providing unparalleled occupant safety. Designed and purpose-built for firefighters, it combines forward-thinking apparatus safety, developed around the needs of the first responder.

Ease of Service and Low Cost of Ownership.

The NXT 110 features non-proprietary chassis, pump, and aerial components and standard parts, making reordering easy and efficient. Simplified service access for the pump and aerial device make for easy maintenance.





THE IDEAL COMBINATION OF AERIAL POWER AND URBAN AGILITY

Safe. Strong. Stable.

Square and rectangular tubing provide a large ladder cross section for superior rigidity, with longer weld joints for increased ladder strength. Tubular Welded Steel Torque Box Mainframe stiffens the backbone of the apparatus to provide a rigid and durable mounting base for the aerial and body. This helps absorb the overturning loads generated by the aerial and distributes them evenly to the outriggers.



Control Technology

The Omni Pump System can be integrated into the aerial turn table controls, giving the operator the ability to control both the aerial and pump operations from a single location.

Cab Features

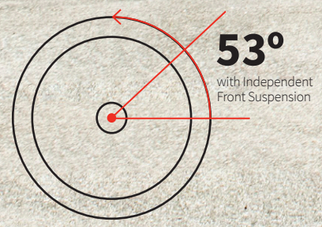
- Flat Floor Design
- Entry & Egress
- Advanced Climate Control
- Advanced Protection System
- Superior Interior Head Room Height

Superior Tip Loads

With tip loads up to 750 lbs. and minimal deflection, the NXT 110 can carry a heavier load and will remain stable and true even when fully extended with a 1/4" ice rating and 50 mph wind rating.

Under 40' Overall Length

223" Wheelbase



53º
with Independent Front Suspension

More Maneuverable

Spartan's Independent Front Suspension (IFS) boasts an industry leading 53 degree cramp angle resulting in a turn radius that is up to 15% better than our 100' single axle competitors.

Greater Control and Stability

The tandem axle design delivers better suspension and braking capabilities with additional carrying capacities resulting in a safer apparatus with greater control and stability.

Unrestricted technology to make your crew unstoppable.

Technology is our strongest tool to give firefighters the performance and safety they demand and deserve. Battling fires is challenging enough; doing it from over 100 feet in the air adds a level of difficulty that we're dedicated to making as safe and effective as possible. No matter the conditions. No matter the height.

TRAVEL HEIGHT AS LOW AS 11': *The ladder sections are designed to provide a low travel height, making it easy to fit into historic firehouses and under bridges.*

12' & 14' NARROW OUTRIGGER SPREAD: *Our H-style outrigger system provides strength and stability under all road and terrain conditions. LT's effective "out and down" design automatically locks into supporting position with no locking pins to place or remove.*

SUPERIOR GRADE OPERATIONS: *Set-up and operate on grades of up to 20% with unrestricted performance. The footplate swivels in all directions, providing superior holding on uneven terrain, and the 24" X 24" auxiliary ground plates provide additional load distribution on soft ground.*





NXT 110 ADVANTAGE

You make enough sacrifices, don't limit yourself when it comes to your equipment. The NXT 110 delivers more power, more maneuverability, with unrestricted ladder performance.

	PERFORMANCE	ADVANTAGE
Front & Side Impact Protection	Yes	Unparalleled Occupant Safety
Wheelbase	223"	Up to 11" Shorter
Cramp Angle	53°	Industry Leading
Turn Radius (curb-to-curb)	352"	Up to 15% Shorter
Vertical Reach	110'	Unrestricted Performance
Horizontal Reach	99'	Unrestricted Performance
Stabilizer Width	12' or 14'	Narrow Outrigger Spread
Fly Section Dimensions	Height 18.5" Width 22.5"	Higher and Wider Fly Section Design
Compartment Storage	245 cu. ft.	Full Depth Rescue Style Compartments
Ground Ladder Storage	170'	Located 40" from the Ground
Pump Capacity	2,250 GPM	Maximum Flow Capacities
Water Tank	Up to 500 Gallon	Haul More
Operating Grade	Up to 20%	Superior Grade Operations

DETAILS MAKE THE DIFFERENCE



EXCELLENT HORIZONTAL & VERTICAL REACH: *Built with up to 100,000 psi yield strength steel that can be depressed as low as 7º below horizontal or as high as 78º above horizontal. This allows firefighters to reach taller structures and have easy access to the ladder when lowered to ground level.*



AL-11 AERIAL LOGIC: *A totally integrated system that provides instant feedback on a ladder's extension, location, retraction, angle, load and breathing air system status, as well as J1939 engine information.*



NARROW OUTRIGGER SPREAD: *It's simple, if you can open your door you can set the jacks. A 12' outrigger spread with quick and simple deployment delivers industry leading performance.*



WATER MONITOR: *When positioned at the tip, the water monitor can be elevated 30º higher than the elevation of the ladder.*



SAFE & EASY ACCESS: *Wide egress steps and walkways provide easy access to and from the ladder.*



REPLACEABLE EGRESS: *Designed with an unobstructed opening for easy access, the bolt-on removable egress can be easily replaced. Available in various lengths.*



LOW GROUND LADDER STORAGE: *Fully enclosed ground ladders are located just 40" from the ground, providing safe and ergonomic access to up to 170 ft. of storage.*


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