Willows City Council Regular Meeting

June 9, 2026
Willows City Hall
6:00 PM

City Council
Evan Hutson, Mayor
Richard Thomas, Vice Mayor
Gary Hansen, Council Member
Lorri Pride, Council Member
Matt Busby, Council Member

City Manager
Marti Brown

City Clerk
Karleen Price

201 North Lassen Street
Willows, CA 95988
(530) 934-7041

Agenda

Watch the Council meeting online via Zoom: https://us06web.zoom.us/j/83651459747

Remote viewing of the City Council meeting for members of the public is provided for convenience only. In the event that the remote viewing connection malfunctions for any reason, the City Council reserves the right to conduct the meeting without remote viewing.

If you have documents you would like to submit to the Council, please deliver or mail them to the City Clerk at 201 N. Lassen St., Willows, CA 95988, or email cityclerk@cityofwillows.org.

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **CHANGES TO THE AGENDA**
5. **CEREMONIAL**
   a. **Proclamation – National Police Week**
   b. **Proclamation – National Go Skateboarding Day**
6. **PUBLIC COMMENT & CONSENT CALENDAR FORUM**

All items on the Consent Calendar are considered routine and may be approved with a single vote unless removed for separate discussion by the Council or City Manager. Individuals wishing to speak on Consent items or matters *not* on the agenda are asked to complete a Speaker Card and submit it to the City Clerk. All remarks shall be directed to the Mayor and Councilmembers and are limited to three minutes. By law, the Council cannot discuss or take action on items not listed on the posted agenda.

   a. **Register Approval**
   Recommended Action: Approve general checking, payroll, and direct deposit check registers.
   Contact: Joei Harrison, Finance Director, jharrison@cityofwillows.org

   b. **Minutes Approval**
   Recommended Action: Approve the minutes of the May 19, 2026, Special Joint City Council and Planning Commission Meeting, and the May 26, 2026, City Council Meeting.
   Contact: Karleen Price, City Clerk, kprice@cityofwillows.org

c. **Solid Waste Management Parcel Fee**
Recommended Action: Adopt Resolution XX-2026 (Attachment 1) extending service charges imposed on improved real property within the incorporated area of the City of Willows for the use of and/or ability to use the Glenn County Solid Waste System during Fiscal Year 2026-27.
Contact: Joe Bettencourt, Community Development & Services Director, jbettencourt@cityofwillows.org

d. **Proposed Cannabis Business Ordinance**
Recommended Action: Introduce by title only and waive the first reading of the text of an ordinance entitled "AN ORDINANCE OF THE CITY OF WILLOWS, CALIFORNIA ADDING CHAPTER 3.12 (CANNABIS BUSINESS TAX) TO TITLE 3 OF THE WILLOWS MUNICIPAL CODE ESTABLISHING A TAX ON CANNABIS BUSINESS ACTIVITIES WITHIN THE CITY," subject to voter approval at the November 3, 2026, General Municipal Election, and schedule a public hearing for the second reading and adoption of the Ordinance at the June 23, 2026, City Council meeting.
Contact: Marti Brown, City Manager, mbrown@cityofwillows.org

e. **Staffing and Adequate Fire and Emergency Response (SAFER) Grant Application**
Recommended Action: Adopt Resolution XX-2026, authorizing the City Manager, or her designee to submit an application for Staffing and Adequate Fire & Emergency Response (SAFER) Grant funding, using the services of JMCM Consulting, to fund the hiring of additional firefighters.
Contact: Nathan Monck, Fire Chief, nmonck@cityofwillows.org

f. **Harris & Associates Contract Extension**
Recommended Action: Approve a 60-day extension of the Harris & Associates Title 18 (Zoning) Municipal Code Update completion date from June 30, 2026, to August 29, 2026, and authorize the City Manager to execute a contract amendment.
Contact: Marti Brown, City Manager, mbrown@cityofwillows.org

g. **Prentice Long, PC: New Contract for the Municipal Code Update Project**
Recommended Action: Authorize the City Manager to execute a new contract with Prentice Long, PC through December 31, 2026, for completion of the City of Willows Municipal Code Update.
Contact: Marti Brown, City Manager, mbrown@cityofwillows.org

h. **Sponsorship of the Willows 4th of July Fireworks Show Event**
Recommended Action: Consider and approve a $1,000 sponsorship of the Willows 4th of July Fireworks Show.
Contact: Marti Brown, City Manager, mbrown@cityofwillows.org

i. **FY 2025–26 Appropriations Limit**
Recommended Action: Adopt Resolution XX-2026 establishing the FY 2025-26 Appropriations Limit for the City of Willows.
Contact: Joei Harrison, Finance Director, jharrison@cityofwillows.org

7. **PUBLIC HEARING**

All matters in this section of the agenda are formal public hearings and will be acted on individually. Individuals wishing to speak on these items are asked to complete a Speaker Card and submit it to the City Clerk. Comments should be directed to the Mayor and Councilmembers and are limited to three minutes. If you have any documentation you would like distributed to the Council, please give it to the City Clerk for distribution.

a. **AB 2561 Status of Vacancies**
Recommended Action: Receive the presentation pursuant to AB 2561 and hold the annual public hearing on the status of vacant positions in city employment and recruitment strategies.
Contact: Marti Brown, City Manager, mbrown@cityofwillows.org

8. **DISCUSSION & ACTION CALENDAR**

All matters on the Discussion & Action calendar will be discussed and acted on individually. Individuals wishing to speak on these items are asked to complete a Speaker Card and submit it to the City Clerk. Comments should be directed to the Mayor and Councilmembers and are limited to three minutes. By law, the Council cannot discuss or take action on items not listed on the posted agenda.

a. **FY 2026-27 Budget Approval**
Recommended Action: Receive the presentation, discuss, amend as needed, and approve Resolution XX-2026 adopting the FY 2026-27 Budget.
Contact: Joei Harrison, Finance Director, jharrison@cityofwillows.org

b. **Engine 2 Lease Agreement: Community Leasing Partners**
Recommended Action: Adopt Resolution XX-2026 authorizing the City Manager, or her designee, to enter into a lease agreement with Community Leasing Partners for the purchase and outfitting of a new Type 1 fire engine for a term of ten (10) years.
Contact: Nathan Monck, Fire Chief, nmonck@cityofwillows.org

c. **Engine 2 Purchase Contract: Golden State Fire Apparatus**
Recommended Action: Adopt Resolution XX-2026, authorizing the City Manager, or her designee, to execute a contract with Golden State Fire Apparatus to purchase a new Pierce Enforcer PUC Type 1 Fire Engine in the amount of $1,328,229.13.
Contact: Nathan Monck, Fire Chief, nmonck@cityofwillows.org

9. **COMMENTS & REPORTS**

a. **Council Correspondence**

b. **City Council Comments & Reports**

c. **City Manager's Report**

10. **CLOSED SESSION**

Prior to the City Council convening into Closed Session, the public will have an opportunity to address the Council regarding the item listed below, pursuant to Government Code §54954.3. Public Comments are generally restricted to three minutes.

a. **Conference With Legal Counsel - Initiation of Litigation (54956.9(d)(4)) (one case)**

b. **Public Employee Performance Evaluation (§ 54957)**
Title: City Manager

11. **ADJOURNMENT**

This agenda was posted on June 5, 2026.

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Karleen Price, City Clerk

A complete agenda packet, including staff reports and back-up information, is available for public inspection during normal work hours at City Hall at 201 North Lassen Street in Willows or on the City's website at www.cityofwillows.org. In compliance with the Americans with Disabilities Act, the City of Willows will make available to members of the public any special assistance necessary to participate in this meeting. If requested, the agenda shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132). The public should contact the City Clerk's office at (530) 934-7041 to make such a request. Notification 72 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.
The City of Willows is an Equal Opportunity Provider.

CEREMONIAL MATTERS

City of Willows

Proclamation

National Police Week

WHEREAS, of all the promises America offers, none is more precious and essential than the right to live free from fear and harm; and

WHEREAS, the dedicated men and women who have chosen law enforcement as a career face extraordinary risk and danger in order to safeguard our communities, uphold the rule of law, and preserve our freedoms; and

WHEREAS, the week of May 10 through May 16, 2026, was recognized throughout the nation as **National Police Week**, honoring the service and sacrifice of law enforcement officers across the United States; and

WHEREAS, as part of this important observance, May 15, 2026, was observed as **Peace Officers Memorial Day**, paying solemn tribute to those noble officers who have made the ultimate sacrifice in the line of duty; and

WHEREAS, the City of Willows recognizes the invaluable contributions of local, state, tribal, and federal law enforcement officers and expresses its gratitude for their unwavering commitment to public safety.

NOW, THEREFORE, BE IT RESOLVED that I, Evan Hutson, Mayor of the City of Willows, on behalf of the Willows City Council and the citizens of Willows, do hereby recognize and commemorate the observance of **National Police Week**, **May 10 through May 16, 2026**, and **Peace Officers Memorial Day, May 15, 2026**. We honor the service and sacrifice of law enforcement officers throughout our nation, pay tribute to those who have given their lives in the line of duty, and express our sincere appreciation to the men and women who continue to serve with courage, integrity, and dedication.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 9th day of June, 2026.

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Evan Hutson, Mayor

City of Willows

Proclamation

WHEREAS, skateboarding is a recreational activity, sport, and means of transportation enjoyed by people of all ages and backgrounds throughout the United States and around the world; and

WHEREAS, skateboarding promotes physical fitness, creativity, perseverance, self-expression, and community engagement while encouraging healthy and active lifestyles; and

WHEREAS, **National Go Skateboarding Day**, observed annually on **June 21**, celebrates the positive culture of skateboarding and encourages individuals to experience the enjoyment and benefits of the sport; and

WHEREAS, the City of Willows is proud to provide a public skatepark that offers residents and visitors a safe and welcoming place to practice, recreate, build friendships, and develop athletic skills; and

WHEREAS, skateboarders contribute to the vitality of our community through recreation, sportsmanship, creativity, and respect for public spaces; and

WHEREAS, the City of Willows recognizes the importance of providing recreational opportunities that promote health, wellness, and positive activities for youth and adults alike.

NOW, THEREFORE, BE IT RESOLVED that I, Evan Hutson, Mayor of the City of Willows, on behalf of the Willows City Council and the citizens of Willows, do hereby proclaim **June 21, 2026,** as **National Go Skateboarding Day** in the City of Willows and encourage all residents to recognize the positive contributions of skateboarding to our community and to celebrate the opportunities for recreation, creativity, and personal achievement that the sport provides.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 9th day of June, 2026.

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Evan Hutson, Mayor

PUBLIC COMMENT & CONSENT CALENDAR FORUM

City of Willows

Payment Register

APPKT00599 - CHECK RUN 5-22-26

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Bank: Gen Chk - General Checking

Vendor Number	Vendor Name	Total Vendor Amount
	Void	0.00

Payment Type	Payment Number	Payment Date	Payment Amount
**Void Check	56737	05/22/2026	0.00
**Void Check	56740	05/22/2026	0.00
**Void Check	56741	05/22/2026	0.00
**Void Check	56742	05/22/2026	0.00
**Void Check	56743	05/22/2026	0.00

Vendor Number	Vendor Name	Total Vendor Amount
1008	A.T.& T.	325.62

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56734	05/22/2026	325.62

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
000025275484	BAN - 9391061616 - 4-19-26 TO 5-18-26 SERVICE	05/21/2026	05/21/2026	0.00	294.79
000025275489	BAN - 9391061624 4-19-26 TO 5-18-26 SERVICE	05/21/2026	05/21/2026	0.00	30.83

Vendor Number	Vendor Name	Total Vendor Amount
1052	AMAZON CAPITAL SERVICES	925.43

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56735	05/22/2026	925.43

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
1FPT-JV17-T4PK	PRIME BUSINESS ANNUAL MEMBERSHIP - LIBRARY	05/19/2026	05/19/2026	0.00	542.66
1HX9-CPN4-NVRD	AV CART W/POWER STRIP - LIBRARY	05/19/2026	05/19/2026	0.00	220.21
1JL7-KWXT-YHRR	ZIP BOOKS GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	57.83
1RCJ-QFLX-49PQ	CRAFTING SUPPLIES - LIBRARY	05/19/2026	05/19/2026	0.00	104.73

Vendor Number	Vendor Name	Total Vendor Amount
1172	CALIFORNIA WATER SERVICE	4,777.06

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56736	05/22/2026	4,777.06

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
1053836442-050826	SERVICE TO 5-8-26 - LLAD ZONE C	05/19/2026	05/19/2026	0.00	116.93
8491677777-051326	SERVICE TO 5-13-26 - CW	05/22/2026	05/22/2026	0.00	4,660.13

Vendor Number	Vendor Name	Total Vendor Amount
1219	CENGAGE LEARNING INC/GALE	84.94

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56738	05/22/2026	84.94

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
999102643250	PAPERBACK BESTSELLERS - LIBRARY	05/19/2026	05/19/2026	0.00	84.94

Vendor Number	Vendor Name	Total Vendor Amount
2484	COLUMBIA BANK COMMERCIAL CARD - Bin #480725	5,930.32

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56739	05/22/2026	5,930.32

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
BETTENCOURT043026-01	AMAZON - FILE FOLDERS - CW	05/18/2026	05/18/2026	0.00	38.91
BETTENCOURT043026-02	WALMART - RECEIPT BOOK - CW	05/18/2026	05/18/2026	0.00	9.75
BETTENCOURT043026-03	WALMART - DRINKS & SNACKS FOR CLEANUP EVENT - CC	05/18/2026	05/18/2026	0.00	64.25
BETTENCOURT043026-04	GLENN CO. P.W. - MAP FOR CLEANUP EVENT - CCLG	05/18/2026	05/18/2026	0.00	21.00
ENOS043026-01	WALMART - CLEANING SUPPLIES - FIRE	05/18/2026	05/18/2026	0.00	289.77
ENOS043026-02	FLAG STORE USA - US & CA FLAGS - FIRE	05/18/2026	05/18/2026	0.00	256.33

FUENTES043026-01	GS-JJ - 10 ANTIQUE BELT BUCKLES - FIRE	05/18/2026	05/18/2026	0.00	392.91
HARRIS043026-01	TRUCK PARTS BUCKET - #29 BUCKET TRUCK - PW	05/18/2026	05/18/2026	0.00	119.00
LOMBARD043026-01	AMAZON - MEDICAL SUPPLIES - FIRE	05/18/2026	05/18/2026	0.00	10.88
LOMBARD043026-02	AMAZON - MEDICAL SUPPLIES - FIRE	05/18/2026	05/18/2026	0.00	45.00
LOMBARD043026-03	AMAZON - MEDICAL SUPPLIES - FIRE	05/18/2026	05/18/2026	0.00	34.78
MONCK043026-01	AMAZON - ADDRESS LABELS - WEED ABATEMENT - FIRE	05/18/2026	05/18/2026	0.00	38.70
PFYL043026-01	AMAZON - BAT ERADICATION - CIVIC CENTER	05/18/2026	05/18/2026	0.00	310.33
PRICE043026-01	AMAZON - 4 PK FUSES - SHOP - PW	05/18/2026	05/18/2026	0.00	40.87
PRICE043026-02	MCGLONE INSURANCE - NOTARY PUBLIC STAMP - CW	05/18/2026	05/18/2026	0.00	40.85
PRICE043026-03	AMAZON - 3 BOXES 1000 GLOVES - CLEANUP EVENT -CCL	05/18/2026	05/18/2026	0.00	396.36
PRICE043026-04	AMAZON - BOX 1000 GLOVES - CLEANUP EVENT - CCLG	05/18/2026	05/18/2026	0.00	132.12
PRICE043026-05	AMAZON - 40 PICKER UPPERS - CLEANUP EVENT - CCLG	05/18/2026	05/18/2026	0.00	297.40
PRICE043026-06	AMAZON - 72 SAFETY VESTS - CLEANUP EVENT - CCLG	05/18/2026	05/18/2026	0.00	116.31
PRICE043026-07	WALMART - PAPER - OFFICE SUPPLIES - CW	05/18/2026	05/18/2026	0.00	31.73
PRICE043026-08	CARTE BLACHE - COFFE W/COUNCIL EVENT - CW	05/18/2026	05/18/2026	0.00	84.28
PRICE043026-09	AMAZON - PENS, CLIPS & NOTES - OFFICE SUPPLIES -CW	05/18/2026	05/18/2026	0.00	83.20
PRICE043026-10	AMAZON - STICKY NOTES - OFFICE SUPPLIES - CW	05/18/2026	05/18/2026	0.00	22.11
PRICE043026-11	AMAZON - PAPER - OFFICE SUPPLIES - CW	05/18/2026	05/18/2026	0.00	183.84
WATSON043026-01	AMAZON - SUPPLIES - CHILDRENS STORYTIME - LIBRARY	05/18/2026	05/18/2026	0.00	10.45
WATSON043026-02	ALASKA AIRLINES - AIR FARE CLLS ORIENTATION - LIBR	05/18/2026	05/18/2026	0.00	176.81
WATSON043026-03	OVERDRIVE - ONE BOOK ONE COST - EBOOK ACCESS - LIB	05/18/2026	05/18/2026	0.00	38.76
WATSON043026-04	AMAZON - FOL & LB FILING SUPPLIES - LIBRARY	05/18/2026	05/18/2026	0.00	130.80
WATSON043026-05	AMAZON - LIBRARY MATERIAL - LIBRARY	05/18/2026	05/18/2026	0.00	19.32
WATSON043026-06	AMAZON - LIBRARY MATERIAL - LIBRARY	05/18/2026	05/18/2026	0.00	11.80
WATSON043026-07	JOSHUA RAY - MAGICIAN SUMMER READING PROGRAM	05/18/2026	05/18/2026	0.00	489.01
WATSON043026-08	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	21.70
WATSON043026-09	JUNIOR LIBRARY GUILD - MATERIALS ANNUAL SUB - LIBR	05/18/2026	05/18/2026	0.00	768.72
WATSON043026-10	AMAZON - ZIP BOOKS GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	11.36
WATSON043026-11	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	11.58
WATSON043026-12	AMAZON - PAPER - COMPUTER FUND - LIBRARY	05/18/2026	05/18/2026	0.00	43.47
WATSON043026-13	AMAZON - SUPPLIES - LIBRARY	05/18/2026	05/18/2026	0.00	43.47
WATSON043026-14	AMAZON - MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	60.02
WATSON043026-15	AMAZON - MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	79.05
WATSON043026-16	AMAZON - MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	11.58
WATSON043026-17	AMAZON - MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	14.42
WATSON043026-18	AMAZON - MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	26.53
WATSON043026-19	iREAD READING PRGM-SUMMER READING STF UNIFORM	05/18/2026	05/18/2026	0.00	88.14
WATSON043026-20	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	43.43
WATSON043026-21	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	19.14
WATSON043026-22	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	19.58
WATSON043026-23	AMAZON - LIBRARY MATERIALS - LIBRARY	05/18/2026	05/18/2026	0.00	18.10
WATSON043026-24	WALMART - LAMB DERBY SUPPLIES - LIBRARY	05/18/2026	05/18/2026	0.00	83.80
WATSON043026-25	WALMART - LAMB DERBY SUPPLIES - LIBRARY	05/18/2026	05/18/2026	0.00	1.09
WATSON043026-26	AMAZON - LAMB DERBY SUPPLIES - LIBRARY	05/18/2026	05/18/2026	0.00	39.76
WATSON043026-27	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	26.80
WATSON043026-28	DOORDASH - CB KITHCEN - NLW - STAFF LUNCH - LIBR	05/18/2026	05/18/2026	0.00	131.05
WATSON043026-29	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	23.06
WATSON043026-30	DOORDASH - RED 88 - NLW - STAFF LUNCH - LIBRARY	05/18/2026	05/18/2026	0.00	177.01
WATSON043026-31	AMAZON - ZIP BOOK GRANT - LIBRARY	05/18/2026	05/18/2026	0.00	10.12
WATSON043026-32	AMAZON - ZIP BOOK GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	12.32
WATSON043026-33	AMAZON - ZIP BOOK GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	36.40
WATSON043026-34	AMAZON - ZIP BOOK GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	13.69
WATSON043026-35	AMAZON - ZIP BOOKS GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	20.65
WATSON043026-36	AMAZON - ZIP BOOK GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	9.97
WATSON043026-37	AMAZON - ZIP BOOK GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	108.74
WATSON043026-38	AMAZON - ZIP BOOKS GRANT - LIBRARY	05/19/2026	05/19/2026	0.00	17.94

Vendor Number	Vendor Name	Total Vendor Amount
1288	CREATIVE COMPOSITION	437.04

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56744	05/22/2026	437.04

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
38844	3 PART RECEIPT BOOKS - CW	05/20/2026	05/20/2026	0.00	437.04

Vendor Number	Vendor Name	Total Vendor Amount
1325	DEMCO, INC.	1,498.80

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56745	05/22/2026	1,498.80

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
7787156	BOOK PRESERVATION SUPPLIES - LIBRARY	05/20/2026	05/20/2026	0.00	1,498.80

Vendor Number	Vendor Name	Total Vendor Amount
1463	GANDY & STALEY OIL CO	5,158.74

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56746	05/22/2026	5,158.74

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
234974	FUEL - PUBLIC WORKS & SEWER	05/21/2026	05/21/2026	0.00	529.25
234976	FUEL - PUBLIC WORKS & SEWER	05/21/2026	05/21/2026	0.00	1,099.17
235415	FUEL - PUBLIC WORKS & SEWER	05/20/2026	05/20/2026	0.00	807.69
235416	FUEL - PUBLIC WORKS & SEWER	05/21/2026	05/21/2026	0.00	809.21
87140-043026	FUEL - FIRE	05/20/2026	05/20/2026	0.00	1,913.42

Vendor Number	Vendor Name	Total Vendor Amount
1467	GAYNOR TELESYSTEMS, INC.	469.49

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56747	05/22/2026	469.49

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
SUB4245.0526	MAY 2026 SERVICE - CW	05/20/2026	05/20/2026	0.00	469.49

Vendor Number	Vendor Name	Total Vendor Amount
1498	GLENN CO. OFFICE OF EDUCATION - LIVESCAN	52.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56748	05/22/2026	52.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
INV26-00926	LIVESCAN - NEW EMPLOYEE	05/21/2026	05/21/2026	0.00	52.00

Vendor Number	Vendor Name	Total Vendor Amount
1490	GLENN GROUNDWATER AUTHORITY	6,649.09

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56749	05/22/2026	6,649.09

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
26-GGA-32	GGA FUNDING OBLIGATION - FY25-26 - APN017-180-005	05/22/2026	05/22/2026	0.00	6,649.09

Vendor Number	Vendor Name	Total Vendor Amount
1606	JEREMY'S PEST STOMPERS	100.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56750	05/22/2026	100.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
512610	MAY 2026 SERVICE - CIVIC CENTER	05/21/2026	05/21/2026	0.00	55.00
55262	MAY 2026 SERVICE - FIRE	05/21/2026	05/21/2026	0.00	45.00

Vendor Number	Vendor Name	Total Vendor Amount
2557	LECHOWICZ & TSENG MUNICIPAL CONSULTANTS	10,822.05

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56751	05/22/2026	10,822.05

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
#2-05222026	2026 SEWER RATE STUDY - SEWER	05/21/2026	05/21/2026	0.00	10,822.05

Vendor Number	Vendor Name	Total Vendor Amount
1760	MATSON & ISOM TECHNOLOGY	5,199.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56752	05/22/2026	5,199.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
103032	MAY 2026 IT SERVICE - CW	05/21/2026	05/21/2026	0.00	5,199.00

Vendor Number	Vendor Name	Total Vendor Amount
1778	MIDAMERICA ADMIN & RETIRE	378.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56753	05/22/2026	378.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
052226MA	Q126 ADMIN/PLATFORM FEE - CW	05/21/2026	05/21/2026	0.00	378.00

Vendor Number	Vendor Name	Total Vendor Amount
2312	NAPA AUTO PARTS	56.27

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56754	05/22/2026	56.27

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
726786	2 QT MOTOR OIL - FIRE	05/21/2026	05/21/2026	0.00	56.27

Vendor Number	Vendor Name	Total Vendor Amount
1897	PARCELQUEST	5,997.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56755	05/22/2026	5,997.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
052226PQ	ONLINE NAVIGATOR ACCTS 7-1-26 TO 6-30-27 - BUILD	05/22/2026	05/22/2026	0.00	5,997.00

Vendor Number	Vendor Name	Total Vendor Amount
1143	PEDRO BOBADILLA	576.92

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56756	05/22/2026	576.92

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
052226PB	RECREATIONAL SERVICES 5-9-26 TO 5-22-26 - REC	05/21/2026	05/21/2026	0.00	576.92

Vendor Number	Vendor Name	Total Vendor Amount
1917	PG & E	271.58

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56757	05/22/2026	271.58

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
1773553795-7-05042026	SERVICE TO 5-4-26 - SEWER	05/21/2026	05/21/2026	0.00	271.58

Vendor Number	Vendor Name	Total Vendor Amount
2332	PRENTICE LONG, PC	9,205.08

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56758	05/22/2026	9,205.08

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
8633	SERVICES RENDERED THROUGHT 4-30-26 - CA	05/21/2026	05/21/2026	0.00	9,205.08

Vendor Number	Vendor Name	Total Vendor Amount
2041	SACRAMENTO VALLEY MIRROR	262.70

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56759	05/22/2026	262.70

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
052226SVM	ONE YEAR SUBSCRIBTION - LIBRARY	05/22/2026	05/22/2026	0.00	91.00
4366	LEGAL AD - WEED ABATEMENT & SEALED BID - FIRE	05/22/2026	05/22/2026	0.00	171.70

Vendor Number	Vendor Name	Total Vendor Amount
2447	TOP NOTCH COMMERCIAL CLEANING	1,100.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56760	05/22/2026	1,100.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
12880	MAY 2026 JANITORIAL SERVICES - CIVIC CENTER	05/22/2026	05/22/2026	0.00	1,100.00

Vendor Number	Vendor Name	Total Vendor Amount
2207	TYLER TECHNOLOGIES, INC	320.00

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56761	05/22/2026	320.00

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
025-552525	TYLER TUTORING SESSION 2 - FIN	05/22/2026	05/22/2026	0.00	320.00

Vendor Number	Vendor Name	Total Vendor Amount
2433	VESTIS	364.20

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56762	05/22/2026	364.20

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
5067137463	UNIFORM SERVICE - PUBLIC WORKS	05/22/2026	05/22/2026	0.00	182.10
5067142824	UNIFORM SERVICE - PUBLIC WORKS	05/22/2026	05/22/2026	0.00	182.10

Vendor Number	Vendor Name	Total Vendor Amount
2295	WILLOWS ACE HARDWARE	497.58

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56763	05/22/2026	497.58

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
137489	AERATOR - CIVIC CENTER	05/22/2026	05/22/2026	0.00	16.51
137492	AERATOR EXCHANGE - CIVIC CENTER	05/22/2026	05/22/2026	0.00	5.23
137500	PVC FITTINGS - MALL SPRINKLERS - MALL	05/22/2026	05/22/2026	0.00	21.99
137612	SPRAYPAINT - MARKING PAINT - SEWER	05/22/2026	05/22/2026	0.00	23.90
137639	FASTENERS - JENSEN PARK - PARKS	05/22/2026	05/22/2026	0.00	6.26
137649	BAT REPELLENT, ICE FILTER & FASTENERS BENCH - PW	05/22/2026	05/22/2026	0.00	316.55
137662	KEY - JENSEN PARK BATHROOM - PARKS	05/22/2026	05/22/2026	0.00	2.16
137704	POWERWASH - FIRE	05/22/2026	05/22/2026	0.00	17.60
137707	TAPPERED FILE - FIRE	05/22/2026	05/22/2026	0.00	9.34
137711	PUTTY KNIFE & GREASE FITTING - FIRE	05/22/2026	05/22/2026	0.00	11.51
137839	PVC CAP - FIRE	05/22/2026	05/22/2026	0.00	1.33
137867	VINYL REPAIR - FIRE	05/22/2026	05/22/2026	0.00	13.04
137955	4 CANS SPRAY FOAM - SHOP - PUBLIC WORKS	05/22/2026	05/22/2026	0.00	52.16

Payment Summary

Bank Code	Type	Payable Count	Payment Count	Discount	Payment
Gen Chk	Voided **Void Check	0	1	0.00	0.00
Gen Chk	Check	108	23	0.00	60,797.05
Gen Chk	Voided **Void Check	0	4	0.00	0.00
Gen Chk	Check	2	2	0.00	661.86
	Packet Totals:	**110**	**30**	**0.00**	**61,458.91**

Cash Fund Summary

Fund	Name		Amount
999	CASH CLEARING		-61,458.91
		Packet Totals:	**-61,458.91**

Bank: Gen Chk - General Checking

Vendor Number	Vendor Name					Total Vendor Amount
1200	CALPERS					12,115.03
Payment Type	**Payment Number**				**Payment Date**	**Payment Amount**
Bank Draft	DFT0000615				05/22/2026	12,115.03
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**	
INV0001861	CALPERS RETIREMENT-EE/ER	05/22/2026	05/22/2026	0.00	12,115.03	

Vendor Number	Vendor Name					Total Vendor Amount
1389	EMPLOYMENT DEV. DEPT.					2,180.21
Payment Type	**Payment Number**				**Payment Date**	**Payment Amount**
Bank Draft	DFT0000617				05/22/2026	825.86
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**	
INV0001863	SDI	05/22/2026	05/22/2026	0.00	825.86	
Bank Draft	DFT0000618				05/22/2026	1,354.35
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**	
INV0001864	STATE INCOME TAX	05/22/2026	05/22/2026	0.00	1,354.35	

Vendor Number	Vendor Name					Total Vendor Amount
1824	NATIONWIDE RETIREMENT SOL					2,913.30
Payment Type	**Payment Number**				**Payment Date**	**Payment Amount**
Bank Draft	DFT0000616				05/22/2026	2,913.30
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**	
INV0001862	USCM DEF. COMP-EE/ER	05/22/2026	05/22/2026	0.00	2,913.30	

Vendor Number	Vendor Name					Total Vendor Amount
2214	UMPQUA BANK - MYTAXPAYER					13,361.64
Payment Type	**Payment Number**				**Payment Date**	**Payment Amount**
Bank Draft	DFT0000619				05/22/2026	13,361.64
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**	
INV0001865	FED/SS/MEDICARE	05/22/2026	05/22/2026	0.00	13,361.64	

Payment Summary

Bank Code	Type	Payable Count	Payment Count	Discount	Payment
Gen Chk	Manual Bank Draft	5	5	0.00	30,570.18
	Packet Totals:	**5**	**5**	**0.00**	**30,570.18**

Cash Fund Summary

Fund	Name		Amount
999	CASH CLEARING		-30,570.18
		Packet Totals:	**-30,570.18**

Bank: Gen Chk - General Checking

Vendor Number	Vendor Name				Total Vendor Amount
	Void				0.00
Payment Type	**Payment Number**			**Payment Date**	**Payment Amount**
**Void Check	56766			05/22/2026	0.00

Vendor Number	Vendor Name				Total Vendor Amount
1029	AFLAC- FLEX ONE				770.38
Payment Type	**Payment Number**			**Payment Date**	**Payment Amount**
Check	56764			05/22/2026	770.38
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**
INV0001806	AFLAC DENTAL	05/08/2026	05/31/2026	0.00	84.90
INV0001807	AFLAC CANCER	05/08/2026	05/31/2026	0.00	113.63
INV0001808	AFLAC ACCIDENT	05/08/2026	05/08/2026	0.00	114.54
INV0001809	AFLAC STD	05/08/2026	05/31/2026	0.00	17.94
INV0001810	AFLAC EVENT/CRITICAL	05/08/2026	05/31/2026	0.00	54.18
INV0001836	AFLAC DENTAL	05/22/2026	05/31/2026	0.00	84.90
INV0001837	AFLAC CANCER	05/22/2026	05/31/2026	0.00	113.63
INV0001838	AFLAC ACCIDENT	05/22/2026	05/22/2026	0.00	114.54
INV0001839	AFLAC STD	05/22/2026	05/31/2026	0.00	17.94
INV0001840	AFLAC EVENT/CRITICAL	05/22/2026	05/31/2026	0.00	54.18

Vendor Number	Vendor Name				Total Vendor Amount
2527	ANTHEM BLUE CROSS OF CALIFORNIA				22,439.23
Payment Type	**Payment Number**			**Payment Date**	**Payment Amount**
Check	56765			05/22/2026	22,439.23
Payable Number	**Description**	**Payable Date**	**Due Date**	**Discount Amount**	**Payable Amount**
INV0001814	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	415.13
INV0001815	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	845.52
INV0001816	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	1,019.93
INV0001817	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	376.47
INV0001818	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	634.67
INV0001819	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	1,446.81
INV0001820	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	515.34
INV0001821	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	881.25
INV0001822	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	1,914.52
INV0001823	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	791.60
INV0001824	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	498.57
INV0001825	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	453.78
INV0001826	MEDICAL INSURANCE PREMIUM	05/08/2026	05/31/2026	0.00	404.73
INV0001844	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	415.12
INV0001845	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	845.52
INV0001846	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	1,019.97
INV0001847	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	376.47
INV0001848	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	634.66
INV0001849	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	1,446.85
INV0001850	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	515.38
INV0001851	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	881.25
INV0001852	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	1,914.52
INV0001853	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	791.60
INV0001854	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	498.57
INV0001855	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	453.78
INV0001856	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	2,042.49
INV0001857	MEDICAL INSURANCE PREMIUM	05/22/2026	05/31/2026	0.00	404.73

Vendor Number	Vendor Name	Total Vendor Amount
1194	CALIFORNIA STATE DISBURSE	162.92

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56767	05/22/2026	162.92

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
INV0001841	CHILD SUPPORT	05/22/2026	05/22/2026	0.00	162.92

Vendor Number	Vendor Name	Total Vendor Amount
1551	HUMANA DENTAL/VISION	2,501.79

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56768	05/22/2026	2,501.79

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
052226H	VISION/DENTAL - TO PAY BILL IN FULL	05/28/2026	05/28/2026	0.00	685.72
INV0001812	DENTAL	05/08/2026	05/31/2026	0.00	385.36
INV0001813	DENTAL	05/08/2026	05/31/2026	0.00	431.15
INV0001829	VISION	05/08/2026	05/31/2026	0.00	48.21
INV0001830	VISION	05/08/2026	05/31/2026	0.00	43.34
INV0001842	DENTAL	05/22/2026	05/31/2026	0.00	385.32
INV0001843	DENTAL	05/22/2026	05/31/2026	0.00	431.15
INV0001859	VISION	05/22/2026	05/31/2026	0.00	48.20
INV0001860	VISION	05/22/2026	05/31/2026	0.00	43.34

Vendor Number	Vendor Name	Total Vendor Amount
2223	UNITED PUBLIC EMPLOYEES A	242.30

Payment Type	Payment Number	Payment Date	Payment Amount
Check	56769	05/22/2026	242.30

Payable Number	Description	Payable Date	Due Date	Discount Amount	Payable Amount
INV0001858	UPEC DUES	05/22/2026	05/31/2026	0.00	242.30

Payment Summary

Bank Code	Type	Payable Count	Payment Count	Discount	Payment
Gen Chk	Voided **Void Check	0	1	0.00	0.00
Gen Chk	Check	48	5	0.00	26,116.62
	Packet Totals:	**48**	**6**	**0.00**	**26,116.62**

Cash Fund Summary

Fund	Name		Amount
999	CASH CLEARING		-26,116.62
		Packet Totals:	**-26,116.62**

City of Willows

Payroll Check Register

Checks

Pay Period: 5/4/2026-5/17/2026

Packet: PYPKT00630 - PAYROLL 5-4-26 TO 5-17-26 PAY DATE 5-22-26
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Check Type	Date	Amount	Number
CANO, GABRIELA M	CAN01	Regular	05/22/2026	53.85	41173
CASTORENA, SOFIA	CAST01	Regular	05/22/2026	38.47	41174
CHAVIRA, JORDAN	CHA05	Regular	05/22/2026	76.93	41175
GALLARDO-CANO, JOVANNY	GAL03	Regular	05/22/2026	53.85	41176
GARCIA, OMAR	GAR14	Regular	05/22/2026	61.55	41177
MEDINA, HUMBERTO	MED02	Regular	05/22/2026	92.32	41178
NEWTON-PALACIOS, MICHEI	NEW00	Regular	05/22/2026	76.93	41179
RANDOLPH, CORA	RAN02	Regular	05/22/2026	161.57	41180

City of Willows

Payroll Check Register

Direct Deposits

Pay Period: 5/4/2026-5/17/2026

Packet: PYPKT00630 - PAYROLL 5-4-26 TO 5-17-26 PAY DATE 5-22-26
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Date	Amount	Number
BROWN, MARTHA	BRO01	05/22/2026	3,935.96	2192
PRICE, KARLEEN	PRI01	05/22/2026	1,787.29	2193
HARRISON, JOEI	HAR01	05/22/2026	2,116.23	2194
HAZLETT, ROBIN	HAZ01	05/22/2026	1,536.43	2195
RICHARDSON, TARYN	RIC00	05/22/2026	1,339.50	2196
RUSTENHOVEN, TARA L	RUS01	05/22/2026	1,824.89	2197
GAMBOA, YADIRA	GAM00	05/22/2026	439.45	2198
LUNA-SARINAS, CRISTINA	LUN00	05/22/2026	458.89	2199
MYERS, KEVIN M	MYE00	05/22/2026	439.28	2200
RUBALCAVA-TORRES, VIANKA	RUB01	05/22/2026	1,374.18	2201
WATKINS, COLLEEN	WAT00	05/22/2026	344.17	2202
WATSON, CHRISTINE	WAT01	05/22/2026	2,659.31	2203
BOBADILLA, TAVIAN	BOB02	05/22/2026	138.48	2204
CHAVEZ, AIDEN	CHA04	05/22/2026	53.85	2205
GALLARDO-CANO, NATALY	GAL01	05/22/2026	76.93	2206
ENOS, KYLE	ENO00	05/22/2026	2,058.48	2207
FUENTES, JAIME	FUE01	05/22/2026	2,794.27	2208
LOMBARD, TYLER JOSEPH	LOM00	05/22/2026	1,926.11	2209
LOPEZ, MATTHEW	LOP03	05/22/2026	1,083.04	2210
MINGS, MICHAEL E	MIN00	05/22/2026	1,577.17	2211
RANDOLPH, MATTHEW	RAN01	05/22/2026	1,814.27	2212
REED, JOSHUA	REE00	05/22/2026	1,328.64	2213
VASQUEZ, PEDRO CEASAR	VAS01	05/22/2026	1,617.59	2214
ZOLLER-HARRIS, TRAVIS	ZOL00	05/22/2026	2,103.08	2215
BETTENCOURT, JOSEPH	BET01	05/22/2026	3,625.29	2216
MONCK, NATHANIAL T	MON00	05/22/2026	3,028.51	2217
PFYL, NATISA N	PFY00	05/22/2026	1,873.78	2218

City of Willows

Payroll Check Register

Employee Pay Summary

Pay Period: 5/4/2026-5/17/2026

Packet: PYPKT00630 - PAYROLL 5-4-26 TO 5-17-26 PAY DATE 5-22-26
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Payment Date	Number	Earnings	Deductions	Taxes	Net
BETTENCOURT, JOSEPH	BET01	05/22/2026	2216	4,952.08	396.17	930.62	3,625.29
BOBADILLA, TAVIAN	BOB02	05/22/2026	2204	152.10	0.00	13.62	138.48
BROWN, MARTHA	BRO01	05/22/2026	2192	6,513.46	912.03	1,665.47	3,935.96
CANO, GABRIELA M	CAN01	05/22/2026	41173	59.15	0.00	5.30	53.85
CASTORENA, SOFIA	CAST01	05/22/2026	41174	42.25	0.00	3.78	38.47
CHAVEZ, AIDEN	CHA04	05/22/2026	2205	59.15	0.00	5.30	53.85
CHAVIRA, JORDAN	CHA05	05/22/2026	41175	84.50	0.00	7.57	76.93
ENOS, KYLE	ENO00	05/22/2026	2207	3,030.83	629.90	342.45	2,058.48
FUENTES, JAIME	FUE01	05/22/2026	2208	3,699.72	532.94	372.51	2,794.27
GALLARDO-CANO, NATALY	GAL01	05/22/2026	2206	84.50	0.00	7.57	76.93
GALLARDO-CANO, JOVANNY	GAL03	05/22/2026	41176	59.15	0.00	5.30	53.85
GAMBOA, YADIRA	GAM00	05/22/2026	2198	504.00	0.00	64.55	439.45
GARCIA, OMAR	GAR14	05/22/2026	41177	67.60	0.00	6.05	61.55
HARRISON, JOEI	HAR01	05/22/2026	2194	4,643.00	2,125.75	401.02	2,116.23
HAZLETT, ROBIN	HAZ01	05/22/2026	2195	2,046.72	333.84	176.45	1,536.43
LOMBARD, TYLER JOSEPH	LOM00	05/22/2026	2209	3,032.60	869.93	236.56	1,926.11
LOPEZ, MATTHEW	LOP03	05/22/2026	2210	1,289.52	0.00	206.48	1,083.04
LUNA-SARINAS, CRISTINA	LUN00	05/22/2026	2199	504.00	0.00	45.11	458.89
MEDINA, HUMBERTO	MED02	05/22/2026	41178	101.40	0.00	9.08	92.32
MINGS, MICHAEL E	MIN00	05/22/2026	2211	2,516.72	509.87	429.68	1,577.17
MONCK, NATHANIAL T	MON00	05/22/2026	2217	4,896.15	739.22	1,128.42	3,028.51
MYERS, KEVIN M	MYE00	05/22/2026	2200	486.00	0.00	46.72	439.28
NEWTON-PALACIOS, MICHE	NEW00	05/22/2026	41179	84.50	0.00	7.57	76.93
PFYL, NATISA N	PFY00	05/22/2026	2218	3,191.35	712.93	604.64	1,873.78
PRICE, KARLEEN	PRI01	05/22/2026	2193	2,508.92	271.24	450.39	1,787.29
RANDOLPH, CORA	RAN02	05/22/2026	41180	177.45	0.00	15.88	161.57
RANDOLPH, MATTHEW	RAN01	05/22/2026	2212	2,555.21	244.56	496.38	1,814.27
REED, JOSHUA	REE00	05/22/2026	2213	1,937.60	419.60	189.36	1,328.64
RICHARDSON, TARYN	RIC00	05/22/2026	2196	1,831.20	176.92	314.78	1,339.50
RUBALCAVA-TORRES, VIANK	RUB01	05/22/2026	2201	1,870.88	166.12	330.58	1,374.18
RUSTENHOVEN, TARA L	RUS01	05/22/2026	2197	2,515.60	343.86	346.85	1,824.89
VASQUEZ, PEDRO CEASAR	VAS01	05/22/2026	2214	2,333.40	409.86	305.95	1,617.59
WATKINS, COLLEEN	WAT00	05/22/2026	2202	378.00	0.00	33.83	344.17
WATSON, CHRISTINE	WAT01	05/22/2026	2203	4,007.20	310.56	1,037.33	2,659.31
ZOLLER-HARRIS, TRAVIS	ZOL00	05/22/2026	2215	2,814.40	272.43	438.89	2,103.08
			Totals:	**65,030.31**	**10,377.73**	**10,682.04**	**43,970.54**

City of Willows

Payroll Check Register

Report Summary

Pay Period: 5/4/2026-5/17/2026

Packet: PYPKT00630 - PAYROLL 5-4-26 TO 5-17-26 PAY DATE 5-22-26
Payroll Set: Payroll Set 01 - 01

Type	Count	Amount
Regular Checks	8	615.47
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	27	43,355.07
Total	**35**	**43,970.54**

Special Joint City Council & Planning Commission Meeting Action Minutes

May 19, 2026
Willows City Hall
5:30 PM

City Council
Evan Hutson, Mayor
Richard Thomas, Vice Mayor
Gary Hansen, Council Member
Lorri Pride, Council Member
Matt Busby, Council Member

Planning Commission
Keith Corum, Chair
Michael McNeil, Vice Chair
Robyn Nygard, Commissioner
Sherry Brott, Commissioner
Jesse Powell, Commissioner

City Manager
Marti Brown

City Planner
Delanie Garlick

City Clerk
Karleen Price

201 North Lassen Street
Willows, CA 95988
(530) 934-7041

1. **CALL TO ORDER 5:32 PM**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**

   Councilmembers Present: Mayor Hutson, Vice Mayor Thomas, Councilmembers Hansen, and Pride
   Councilmembers Absent: Councilmembers Busby

   Commissioners Present: Chair Corum, Commissioners Nygard, Brott, and Powell
   Commissioners Absent: Vice Chair McNeil

   Chair Corum arrived at 5:59 PM

4. **WORKSHOP PUBLIC COMMENT**

   Public Comment #1: Julia Storz, Tower Theater Caretaker

5. **MUNICIPAL CODE TITLE 18 (ZONING) WORKSHOP**
   Action: City Council & Planning Commission participated in a second public workshop regarding proposed updates to Title 18 of the City of Willows Municipal Code.

   The meeting was recessed at 7:12 PM and reconvened at 7:16 PM.

   The Zoom webcast experienced technical difficulties from 7:32 PM to 7:38 PM.

   Vice Mayor Thomas left the meeting at 8:17 PM.
   Chair Corum left the meeting at 8:36 PM.

6. **ADJOURNMENT 8:45 PM**

_____

Karleen Price, City Clerk

Willows City Council
Regular Meeting
Action Minutes

May 26, 2026
Willows City Hall
6:00 PM

201 North Lassen Street
Willows, CA 95988
(530) 934-7041

City Council
Evan Hutson, Mayor
Richard Thomas, Vice Mayor
Gary Hansen, Council Member
Lorri Pride, Council Member
Matt Busby, Council Member

City Manager
Marti Brown

City Clerk
Karleen Price

1. **CALL TO ORDER – 6:00 PM**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**

   Councilmembers Present: Mayor Hutson, Vice Mayor Thomas, Councilmember Busby, Councilmember Hansen, and Councilmember Pride
   Councilmembers Absent: None
4. **CHANGES TO THE AGENDA**
5. **CEREMONIAL**
   a. **Proclamation –** National Poppy Day - received by Rebecca Warnock, VFW Auxiliary #1770.
   b. **Proclamation –** Memorial Day – received by Rebecca Warnock, VFW Auxiliary #1770.
   c. **Proclamation –** National Forest Week – received by Laura Leidner and Shiloh Springstead, Mendocino National Forest.
6. **PUBLIC COMMENT & CONSENT CALENDAR FORUM**
   a. **Register Approval**
   Action: Approved general checking, payroll, and direct deposit check registers.
   b. **Minutes Approval**
   Action: Approved the minutes of May 12, 2026, City Council Meeting.
   c. **Weed Abatement Contract Award**
   Action: Awarded the weed abatement contract to Robert Burt Construction and authorized the City Manager to execute an agreement in an amount not to exceed $40,000.
   d. **Mello-Roos Community Facilities District – Willows Police Department**
   Action: Authorized the City Manager to execute professional services agreements with Wulff, Hansen & Co. (Municipal Advisor), Stradling Yocca Carlson & Rauth (Formation Counsel), and Webb Municipal Finance (Special Tax Consultant) for the formation of a Mello-Roos Community Facilities District (CFD) to fund the startup capital and ongoing operational costs of the Willows Police Department (WPD), in a total amount not to exceed $125,000 for all three agreements.

Motion to approve consent calendar items #6a, 6b, 6c, and 6d as presented.
Moved/Seconded: Councilmember Pride/Councilmember Hansen
Yes: Mayor Hutson, Vice Mayor Thomas, Councilmembers Busby, Hansen, and Pride
No: None
Absent: None

7. **DISCUSSION & ACTION CALENDAR**

a. **November 2026 Cannabis Tax Ordinance & Measure**

Public Comment
Public Comment #1: Melissa Wight, CaliLove

Action: Directed staff to introduce the ordinance at the June 9, 2026, City Council meeting; and prepare the Cannabis Tax measure language and resolution for the June 23, 2026, City Council meeting agenda, allowing quarterly payments and no limits on when tax rates may change.

Moved/Seconded: Councilmember Pride/Vice Mayor Thomas
Yes: Mayor Hutson, Vice Mayor Thomas, Councilmembers Busby, Hansen, and Pride
No: None
Absent: None

b. **Re-establish Willows Police Department in Civic Center – Hire Consultant**
Action: Authorized the City Manager to release a Request for Qualifications to hire a consulting firm to develop design recommendations and a cost estimate to re-establish the Willows Police Department in the Civic Center.

Moved/Seconded: Councilmember Hansen/Vice Mayor Thomas
Yes: Mayor Hutson, Vice Mayor Thomas, Councilmembers Busby, Hansen, and Pride
No: None
Absent: None

8. **PUBLIC HEARING**

Weed Abatement Declaration - Public Hearing For Protest
Action: Held a Public Hearing and adopted Resolution 17-2026 confirming declarations of nuisances as amended and confirming the order for abatement.

Moved/Seconded: Councilmember Hansen/Councilmember Busby
Yes: Mayor Hutson, Vice Mayor Thomas, Councilmembers Busby, Hansen, and Pride
No: None
Absent: None

9. **COMMENTS AND REPORTS**

   a. **Council Correspondence**
   Mayor Hutson received an invitation from the Glenn County Superior Court to the Civil Grand Jury Discharge and Empanelment Ceremony on June 30, 2026, at 3:00 pm.

   b. **City Council Comments & Reports**
   Councilmembers reported on various community events and meetings attended.

   Councilmember Pride requested a proposed timeline for the completion of updates to Title 18 of the Municipal Code.

   Mayor Hutson requested that Community Development & Services Director Joe Bettencourt investigate the Cannabis Grant Program.

   c. **City Manager's Report**
   City Manager Marti Brown reminded the public of the Special Joint Meeting of the Board of Supervisors, Orland City Council, and Willows City Council to be held on June 1, 2026, at 6:00 pm in Council Chambers to discuss the Ambulance Rate Study and invited the public to attend.

10. **CLOSED SESSION – 8:21 PM**

   a. **Public Employee Performance Evaluation (§ 54957)**
   Title: City Manager
   Report Out: No reportable action was taken.

11. **ADJOURNMENT – 9:19 PM**

_____

Karleen Price, City Clerk

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Joe Bettencourt, Community Development & Services Director
Marti Brown, City Manager

Subject: Solid Waste Management Parcel Fee

Recommendation:

Adopt Resolution XX-2026 (Attachment 1) extending service charges imposed on improved real property within the incorporated area of the City of Willows for the use of and/or ability to use the Glenn County Solid Waste System during Fiscal Year 2026-27.

Rationale for Recommendation:

State law requires adopting the fee structure annually.

Background:

Residential, commercial, and industrial properties in the City of Willows are charged an annual fee for the use of and/or ability to use the Glenn County Solid Waste System. The County of Glenn collects this fee for the operation and maintenance of the solid waste facility pursuant to its agreement with the City dated March 17, 1998.

For Fiscal Year 2026-27, the fee remains unchanged at $42.74 per applicable unit. The fee applies to improved real property containing one or more dwelling units or one or more commercial/industrial units. The charge is based on the number of qualifying units on the parcel, not necessarily a single charge per parcel.

At the April 23, 2026, Waste Management Regional Agency (WMRA) meeting, WMRA unanimously approved recommending that the Glenn County Board of Supervisors extend and adopt the current fee for Fiscal Year 2026-27. The Board of Supervisors approved extending and adopting the current fee at its May 26, 2026, meeting.

Discussion & Analysis:

Sections 5470-5473 of the California Health and Safety Code authorize the County to establish fees for the operation and maintenance of county waste disposal sites. Section 5471 also provides that, before

imposing this fee within an incorporated city, the Board of Supervisors must obtain the consent of the city's legislative body.

Each year, the County Public Works Agency identifies the affected parcels and confirms changes with the County Assessor. The County Auditor then places the fee on the appropriate property tax bills, and the County Tax Collector collects the fee through the tax roll.

Fiscal Impact:

For Fiscal Year 2026-27, the fee remains $42.74 per dwelling unit or commercial/industrial unit, with no increase from the previous year. The fee is collected by the County through the property tax roll and is the responsibility of the property owner.

Attachments:

- Attachment 1: Resolution XX-2026
- Attachment 2: WMRA April 23, 2026, Minute Order

City of Willows
Resolution XX-2026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILLOWS CONSENTING TO THE EXTENSION OF SERVICE CHARGES IMPOSED ON IMPROVED REAL PROPERTY WITHIN THE INCORPORATED AREA OF THE CITY OF WILLOWS FOR FISCAL YEAR 2026/2027 FOR THE USE OF AND/OR ABILITY TO USE THE GLENN COUNTY SOLID WASTE SYSTEM

WHEREAS, California Health and Safety Code Section 5471 authorizes the setting and collection of charges for services and facilities furnished by the County in connection with water, sewer, and/or sanitation; and

WHEREAS, California Health and Safety Code Section 5471 provides that revenues derived from the collection of such charges shall be used only for the acquisition, construction, reconstruction, maintenance, and operation of those water, sewer, and/or sanitation systems; and

WHEREAS, California Health and Safety Code Section 5473 provides for such fees to be collected on the tax roll; and

WHEREAS, the City of Willows does not operate a City solid waste disposal site and has historically participated in the Glenn County Solid Waste System pursuant to an agreement with the County of Glenn dated March 17, 1998; and

WHEREAS, the Glenn County Board of Supervisors has determined that it is in the best interest of the residents, businesses, and property owners in Glenn County to have the use of and/or ability to use the Glenn County Solid Waste System; and

WHEREAS, the Willows City Council, as a member of the Glenn County Waste Management Agency, supports the operation of the Glenn County Solid Waste System; and

WHEREAS, the Waste Management Regional Agency unanimously approved recommending that the Glenn County Board of Supervisors extend and adopt the current solid waste management fee for Fiscal Year 2026/2027; and

WHEREAS, the annual fee is imposed upon each dwelling unit and each commercial/industrial unit located on improved real property within the legal boundaries of Glenn County, including applicable improved real property within the incorporated area of the City of Willows.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Willows as follows:

1. The City Council hereby consents to the extension of the annual solid waste management service charge for Fiscal Year 2026/2027 within the incorporated area of the City of Willows.

2. The annual fee shall remain $42.74 per applicable dwelling unit and commercial/industrial unit located on improved real property for the purpose of using or having the ability to use the Glenn County Solid Waste System.

3. The fee shall be collected by the County through the property tax roll in accordance with applicable law.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council on this 9th day of June, 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED:

_____
Evan Hutson, Mayor

ATTESTED:

_____
Karleen Price, City Clerk

PUBLIC WORKS AGENCY
P.O. Box 1070 / 777 N. Colusa Street
Willows, CA 95988

Airports
Engineering
Flood Control
Roads & Bridges
Solid Waste
Surveyor

Minute Order

Waste Management Regional Agency
April 23, 2026 Regular Meeting
County of Glenn

6.2 Annual Solid Waste Parcel Fee

Matter:	**Annual Solid Waste Parcel Fee**
Proceedings:	Chair Carmon introduced the item. Talia Richardson presented Staff recommendation that Agency recommends to Board of Supervisors to extend the current Solid Waste Parcel Fee of $42.74. Further explaining the service charge is imposed on improved real property within the County of Glenn for the use and/or ability to use the Glenn County Solid Waste System.
Motion/Second:	Member Arendt / Member Barr
Order:	Approve recommendation to Board of Supervisors to extend and adopt the current Annual Solid Waste Parcel Fee of $42.74.
Vote:	Unanimous

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Marti Brown, City Manager

Subject: Ordinance Adding Chapter 3.12, Cannabis Business Tax, to the Willows Municipal Code

Recommendation:

Introduce by title only and waive the first reading of the text of an ordinance entitled "AN ORDINANCE OF THE CITY OF WILLOWS, CALIFORNIA ADDING CHAPTER 3.12 (CANNABIS BUSINESS TAX) TO TITLE 3 OF THE WILLOWS MUNICIPAL CODE ESTABLISHING A TAX ON CANNABIS BUSINESS ACTIVITIES WITHIN THE CITY," subject to voter approval at the November 3, 2026, General Municipal Election, and schedule a public hearing for the second reading and adoption of the Ordinance at the June 23, 2026, City Council meeting.

Rationale for Recommendation:

The purpose of this Ordinance is to adopt a tax upon all cannabis businesses that operate in the City limits to increase revenues in the General Fund.

Background:

The City has a commercial cannabis retail program that allows for no more than two retailers within the City limits. No other cannabis business types are currently allowed. The City accepted two cannabis retailers, one of which, is already open and one that is currently completing tenant improvements and is anticipated to open in the near future. As a condition of their permit, each cannabis business is required to enter into a negotiated development agreement with the City, which includes a provision to provide a portion of revenue to the City as a Community Benefit Fee. The fees have been negotiated separately with each business, with one paying a rate of 2% and the other paying 5%.

Partly to address this inequity, the City has explored replacing these Community Benefit Fees with a voter approved Cannabis Business Tax. In December of 2025, the City engaged the services of HdL Companies to help explore the size of the local retail cannabis market, the number of cannabis retailers and tax rates in nearby jurisdictions, and the considerations for developing a commercial cannabis business tax. After a presentation of HdL's findings at its March 10 meeting, the City Council directed staff to work with HdL to develop a draft Cannabis Business Tax ordinance to be placed on the November 2026 ballot for voter consideration and approval.

The Council directed that the draft ordinance include a maximum rate of 10%, though the Council would be able to set the initial or active rate as it sees fit following adoption by the voters, provided that it does not exceed the maximum rate. In discussion, Council indicated that the rate would likely be set at 5% initially, consistent with the higher of the two Community Benefit Fees. While the City has no plans to allow commercial cannabis business types other than retail, the Council directed that the tax ordinance should be drafted in a way to allow it to be applied to other cannabis business types, should they be allowed in the future. This would avoid returning to the voters should the City wish to expand its allowable cannabis business types. The ordinance also allows the City to set different rates for different business types, should it so choose. The draft ordinance before the Council incorporates all these policy directions.

Discussion & Analysis:

Should the voters approve the Cannabis Business Tax, Chapter 3.12 (Cannabis Business Tax) would be added to Title 3 of the Willows Municipal Code. The ordinance would apply to all persons engaged in business within the City as a cannabis business, whether operating from a fixed location in the City or coming into the City from an outside location to engage in such activities. This includes cannabis delivery services that may be located in other jurisdictions but make sales by delivery to addresses within the City of Willows. The tax would be applied to all sales by cannabis retailers, including cannabis, cannabis products, cannabis supplies and paraphernalia, branded merchandise, or any other products sold by the cannabis business.

The ordinance establishes a maximum tax rate of 10% but allows the City Council to set the initial or active rate by resolution after adoption and to adjust it at any time as the Council sees fit, provided that the rate may not exceed the maximum rate approved by the voters. It is anticipated that the Council may wish to set the initial rate at 5%. The Council maintains full discretion to increase or decrease the rate of the cannabis business tax; however, the Council may not repeal the tax or set any adjusted rate that exceeds the maximum rate of 10%.

Should the City choose to allow additional types of cannabis businesses in the future, the City may apply the tax at a rate established by resolution of the City Council for each business type not to exceed the maximum rate of ten percent (10%) of gross receipts.

All commercial cannabis businesses are required to register with the City. The term of an initially-issued retail/dispensary cannabis business registration shall be one year. The term of a renewed retail/dispensary cannabis business registration shall be two years. The renewal schedule may be adjusted at the City's discretion to be consistent with the cannabis business regulatory license renewal under Willows Municipal Code Section 9.20.072

The cannabis business tax shall be paid to the Finance Director, in arrears, on a monthly, quarterly or other scheduled arrangement and basis. Taxes shall be deemed delinquent if not received by the Finance Director on or before the due date. A penalty equal to ten percent (10%) of the amount of the tax, in addition to the amount of the tax, plus interest on the unpaid tax calculated from the due date of the tax at the rate of one percent (1%) per month. The Finance Director may promulgate rules and/or establish alternative reporting and payment periods as he or she deems necessary to ensure effective collection of the Cannabis Business Tax. The ordinance allows the City Manager to waive any penalties if

evidence is provided in a timely manner by the business showing that the reasons for the delinquent payment were beyond their control and not due to negligence.

The Cannabis Business Tax is levied based upon the gross receipts of the business. It is not a sales and use tax, a tax upon income, or a tax upon real property and shall not be calculated or assessed as such. The Cannabis Business Tax shall not be separately identified or otherwise specifically assessed or charged to any member, customer, patient, or caretaker. The Cannabis Business Tax is a general tax enacted solely for general, governmental purposes of the City and not for specific purposes. All of the proceeds from the tax imposed by this chapter shall be placed in the City's general fund and be available for any lawful City purpose.

Consistency with Council Priorities and Goals:

The proposed action is consistent with Priority #1: Financial Stability, Goal 2: Seek Cost Savings and Revenue Generation Opportunities.

Fiscal Impact:

Assuming a retail cannabis tax rate of 5%, it is estimated that the tax established by this ordinance may generate around $260,000 per year in General Fund revenue for the City.

Attachment:

- Attachment 1: Draft Ordinance 770-2026 – Cannabis Business Tax

EXHIBIT A

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY OF WILLOWS, CALIFORNIA ADDING CHAPTER 3.12 (CANNABIS BUSINESS TAX) TO TITLE 3 OF THE WILLOWS MUNICIPAL CODE ESTABLISHING A TAX ON CANNABIS BUSINESS ACTIVITIES WITHIN THE CITY

THE PEOPLE OF THE CITY OF WILLOWS DO ORDAIN AS FOLLOWS:

SECTION 1. CODE AMENDMENT. Chapter 3.12 is added to Title 3 of the Willows Municipal Code to read as follows:

CHAPTER 3.12

3.12.010 Title.
3.12.020 Authority and purpose.
3.12.030 Intent.
3.12.040 Definitions.
3.12.050 Tax imposed.
3.12.060 Registration, reporting, and remittance of tax.
3.12.070 Payments and communications – timely remittance.
3.12.080 Payment – when taxes deemed delinquent.
3.12.090 Notice not required by City.
3.12.100 Penalties and interest.
3.12.110 Refunds and credits.
3.12.120 Refund procedures.
3.12.130 Personal cultivation not taxed.
3.12.140 Administration of the tax.
3.12.150 Appeal procedures.
3.12.160 Enforcement – action to collect.
3.12.170 Apportionment.
3.12.180 Constitutionality and legality.
3.12.190 Audit and examination of premises and records.
3.12.200 Other licenses, permits, taxes or charges.
3.12.210 Payment of tax does not authorize unlawful business.
3.12.220 Deficiency determinations.
3.12.230 Failure to report – nonpayment, fraud.
3.12.240 Tax assessment – notice requirements.
3.12.250 Tax assessment – hearing, application, and determination.
3.12.260 Relief from taxes – disaster relief.
3.12.270 Conviction for violation – taxes not waived.
3.12.280 Violation deemed misdemeanor.
3.12.290 Severability.
3.12.300 Remedies cumulative.
3.12.310 Amendment or modification.

3.12.010 Title.

This ordinance shall be known as the Cannabis Business Tax Ordinance. This ordinance shall be applicable in the City of Willows, California which shall be referred to herein as "City."

3.12.020 Authority and Purpose.

The purpose of this Ordinance is to adopt a tax, for revenue purposes, pursuant to Sections 37101 and 37100.5 of the California Government Code, upon cannabis businesses that engage in business in the City. The Cannabis Business Tax is levied based upon the gross receipts of the business. It is not a sales and use tax, a tax upon income, or a tax upon real property and shall not be calculated or assessed as such. The Cannabis Business Tax shall not be separately identified or otherwise specifically assessed or charged to any member, customer, patient, or caretaker. The Cannabis Business Tax is a general tax enacted solely for general, governmental purposes of the City and not for specific purposes. All of the proceeds from the tax imposed by this chapter shall be placed in the City's general fund and be available for any lawful City purpose.

3.12.030 Intent.

The intent of this Ordinance is to levy a tax on all cannabis businesses that operate in the City, regardless of whether such business would have been legal at the time this chapter was adopted. Nothing in this chapter shall be interpreted to authorize or permit any business activity that would not otherwise be legal or permissible under laws applicable to the activity at the time the activity is undertaken, nor shall this chapter be interpreted to obligate or compel the City to allow any such type of business activity.

3.12.040 Definitions.

The following words and phrases shall have the meanings set forth below when used in this chapter:

A. "Arm's length transaction" means a sale entered into in good faith and for valuable consideration that reflects the fair market value in the open market between two informed and willing parties, neither under any compulsion to participate in the transaction.

B. "Business" shall include all activities engaged in or caused to be engaged in within the City, including any commercial or industrial enterprise, trade, profession, occupation, vocation, calling, or livelihood, whether or not carried on for gain or profit, but shall not include the services rendered by an employee to his or her employer.

C. "Calendar year" means January 1 through December 31, of the same year.

D. "Cannabis" means all parts of the plant Cannabis sativa Linnaeus, Cannabis indica, or Cannabis ruderalis, whether growing or not; the seeds thereof; the resin, whether crude or

purified, extracted from any part of the plant; and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or resin. “Cannabis” also means the separated resin, whether crude or purified, obtained from cannabis. “Cannabis” shall not include industrial hemp, unless otherwise specified or unless it meets the definition of a Cannabis Product under 3.12.040(F)

E. “Cannabis business” means any business activity involving cannabis, including but not limited to cultivating, transporting, distributing, manufacturing, compounding, converting, processing, preparing, storing, packaging, delivering, testing, dispensing, retailing and wholesaling of cannabis, cannabis products or of ancillary products and accessories, whether or not carried on for gain or profit.

F. “Cannabis business tax” means the tax due pursuant to this chapter for engaging in a cannabis business in the City.

G. “Cannabis product” means a product containing cannabis or cannabis concentrate and includes, but is not limited to, edible, topical, and inhaled products, and any product intended for human or animal consumption that contains or purports to contain any variant or derivative of tetrahydrocannabinol, regardless of the nature or source of the cannabinoids. “Cannabis product” also means cannabis products as defined by Section 11018.1 of the California Health and Safety Code and is not limited to medicinal cannabis products.

H “Canopy” means all areas occupied by any portion of a cannabis plant whether contiguous or noncontiguous on any one site. When plants occupy multiple horizontal planes (as when plants are placed on shelving above other plants) each plane shall be counted as a separate canopy area.

I. “Commercial cannabis cultivation” means cultivation of cannabis undertaken in the course of conducting a cannabis business.

J. “Commercial cannabis permit” means a permit, license, certificate, or other approval issued by the City to a person to authorize that person to operate a cannabis business or engage in business as a cannabis business within the City.

K. “Cultivation” means any activity involving the planting, growing, harvesting, drying, curing, grading, or trimming of cannabis and includes, but is not limited to, the operation of a nursery.

L. “Employee” means each and every person engaged in the operation or conduct of any business, whether as owner, member of the owner's family, partner, associate, agent, manager or solicitor, and each and every other person employed or working in such business for a wage, salary, commission, barter or any other form of compensation.

M. “Engaged in business as a cannabis business” means the commencing, conducting, operating, managing or carrying on of a cannabis business, whether done as owner, or by means

of an officer, agent, manager, employee, or otherwise, whether operating from a fixed location in the City or coming into the City from an outside location to engage in such activities. A person shall be deemed engaged in business within the City if:

1. Such person or person's employee maintains a fixed place of business within the City for the benefit or partial benefit of such person;

2. Such person or person's employee owns or leases real property within the City for business purposes;

3. Such person or person's employee regularly maintains a stock of tangible personal property in the City for sale in the ordinary course of business;

4. Such person or person's employee regularly conducts solicitation of business within the City;

5. Such person or person's employee regularly conducts sales by delivery to addresses within the City; or

6. Such person or person's employee performs work or renders services in the City.

The foregoing specified activities shall not be a limitation on the meaning of "engaged in business."

N. "Evidence of doing business" means evidence such as, without limitation, use of signs, circulars, cards or any other advertising media, including the use of internet or telephone solicitation, or representation to a government agency or to the public that such person is engaged in a cannabis business in the City.

O. "Finance Director" means the Finance Director of the City of Willows or his or her designee.

P. "Gross Receipts," except as otherwise specifically provided, means, whether designated as a sales price, royalty, rent, membership fee, ATM service fee, delivery fee, slotting fee, any other fee, vaping room service charge, commission, dividend, or other designation, the total amount (including all receipts, cash, credits, services and property of any kind or nature) received or payable for sales of goods, wares or merchandise, or for the performance of any act or service of any nature for which a charge is made or credit allowed (whether such service, act or employment is done as part of or in connection with the sale of goods, wares, merchandise or not), without any deduction therefrom on account of the cost of the property sold, the cost of materials used, labor or service costs, interest paid or payable, losses or any other expense whatsoever. In the event the business is involved in a "non-arm's length transaction" the gross receipts will be subject to the fair market value using a methodology approved by the Finance Director. However, the following shall be excluded from Gross Receipts:

1. Cash discounts where allowed and taken on sales;

2. Any tax required by law to be included in or added to the purchase price and collected from the consumer or purchaser;

3. Such part of the sale price of any property returned by purchasers to the seller as refunded by the seller by way of cash or credit allowances or return of refundable deposits previously included in gross receipts;

4. Receipts derived from the occasional sale of used, obsolete or surplus trade fixtures, machinery or other equipment used by the taxpayer in the regular course of the taxpayer's business;

5. Cash value of sales, trades or transactions between departments or units of the same business located in the City of Willows and if authorized by the Finance Director in writing in accordance with Section 3.12.140 (B);

6. Whenever there are included within the gross receipts amounts which reflect sales for which credit is extended and such amount proved uncollectible in a subsequent year, those amounts may be excluded from the gross receipts in the year they prove to be uncollectible; provided, however, if the whole or portion of such amounts excluded as uncollectible are subsequently collected they shall be included in the amount of gross receipts for the period when they are recovered;

7. Receipts of refundable deposits, except that such deposits when forfeited and taken into income of the business shall not be excluded;

8. Payments made by the tax-reporting cannabis business (Seller) to a cannabis business (Buyer) for the difference in the original acquisition price and subsequent renegotiated or finalized selling price of products or services sold to a specific end customer. This type of transaction is referred to as a "billback". The tax-reporting cannabis business must provide supporting documentation to substantiate the transaction in order to be eligible for an exemption.

Q. "Lighting" means a source of light that is primarily used for promoting the biological process of plant growth. Lighting does not include sources of light that primarily exist for the safety or convenience of staff or visitors to the facility, such as emergency lighting, walkway lighting, or light admitted via small skylights, windows or ventilation openings.

R. "Medicinal cannabis" or "medicinal cannabis product" means cannabis or a cannabis product sold, or intended to be sold, for use pursuant to the Compassionate Use Act of 1996 (Proposition 215), found at Section 11362.5 of the Health and Safety Code, for a medicinal cannabis patient in California who possesses a physician's recommendation and/or a cannabis card issued pursuant to Health and Safety Code Section 11362.71.

S. "Non-arm's length transaction" means a transaction that does not meet the definition of an "arm's length transaction." In other words, the transaction is not a sale that reflects fair market value in the open market. One example of a non-arm's length transaction would be when a cultivator sells cannabis goods to a cannabis distributor at a sales price that is lower than what the same cultivator would charge to other cannabis distributors, or which does not reflect the fair market value in the open market.

T. "Nursery" means a facility or part of a facility that is used only for producing clones, immature plants, seeds, and other agricultural products used specifically for the planting, propagation, and cultivation of cannabis.

U. "Person" means an individual, firm, partnership, joint venture, association, corporation, limited liability company, estate, trust, business trust, receiver, syndicate, or any other group or combination acting as a unit, whether organized as a nonprofit or for-profit entity, and includes the plural as well as the singular number.

V. "Processing" means a cultivation site that conducts only trimming, drying, curing, grading, packaging, or labeling of cannabis and non-manufactured cannabis products.

W. "Retailer" means a person or business as defined in Section 3.12.040 (V) who sells cannabis or cannabis products at their place of business or by delivery to an end user or customer for use or consumption rather than to another person or business for resale.

X. "Sale", "sell" and "to sell" means and includes any sale, exchange, or barter either as a retailer or wholesaler by a person or business as defined by Section 3.12.040 (V). It shall also mean any transaction whereby, for any consideration, title to cannabis or cannabis products are transferred from one person to another and includes the delivery of cannabis or cannabis products pursuant to an order placed for the purchase of the same, but does not include the return of cannabis or cannabis products to the licensee from whom the cannabis or cannabis product was purchased.

Y. "State" means the State of California.

Z. "State license," "license," or "registration" means a state license issued pursuant to California Business & Professions Code Section 26050, and all other applicable state laws, required for operating a cannabis business.

AA. "Testing Laboratory" means a cannabis business that (i) offers or performs tests of cannabis or cannabis products, (ii) offers no service other than such tests, (iii) sells no products, excepting only testing supplies and materials, (iv) is accredited by an accrediting body that is independent from all other persons involved in the cannabis industry in the state and (v) is registered with the Department of Cannabis Control or other state agency.

3.12.050 Tax Imposed.

A. Beginning January 1, 2027, there is imposed upon each person who is engaged in business as a cannabis business a cannabis business tax. Such tax is payable regardless of whether the person has been issued a commercial cannabis business license, permit, or other certificate to operate lawfully in the City or is operating unlawfully. The City's acceptance of a cannabis business tax payment from a cannabis business operating illegally shall not constitute the City's approval or consent to such illegal operations.

B. The City Council may, by resolution or ordinance, increase or decrease the rate of the cannabis business tax, including the initial rate of cannabis business tax. Notwithstanding the foregoing, in no event shall the City Council repeal this tax or set any adjusted rate that exceeds the maximum rates calculated pursuant to this chapter.

C. The maximum rate of the cannabis business tax shall be calculated as follows:

1. For every person engaged in retail sales of cannabis or cannabis products, including as a retailer (dispensary) or non-storefront retailer (retail delivery business), the person shall be subject to the tax rate as established by resolution of the City Council not to exceed the maximum rate of ten percent (10%) of gross receipts.

2. Should the City choose to allow additional types of cannabis businesses in the future, the City may apply the tax at a rate established by resolution of the City Council for each business type not to exceed the maximum rate of ten percent (10%) of gross receipts.

D. Persons subject to the cannabis business tax shall register with the City and if applicable pay the registration fee pursuant to Section 3.12.060 and in accordance with Section 5.05.040.

3.12.060 Registration, reporting and remittance of tax.

A. Registration of Cannabis Business. All cannabis businesses shall be required to register as follows:

1. All persons engaging in business as a cannabis business, whether an existing, newly established or acquired business, shall register with the Finance Director within thirty (30) days of commencing operation and shall annually renew such registration within 30 days of the business registration anniversary date of each year thereafter. In registering, such persons shall furnish to the Finance Director a sworn statement, upon a form provided by the Finance Director, setting forth the following information:

    i. The name of the business;

ii. The names and addresses of each owner;

iii. The exact nature or kind of business;

iv. The place where such business is to be carried on; and

v. Any additional information which the Finance Director may require.

2. All persons engaging in retail sales of cannabis or cannabis products by delivery from locations outside of the City to addresses within the City shall apply for and retain a business license (business tax certificate) prior to conducting any such sales. To obtain a business license all such businesses shall do all of the following:

i. Complete a Business Tax Certificate Application and Cannabis Delivery Business Registration Form;

ii. Provide a copy of a valid DCC license and a valid license from a local agency authorizing the business to conduct cannabis operations as a retailer; and

iii. Submit completed forms and license/permit processing fees as established by the Finance Director.

B. A registration fee in accordance with the current and approved City fee schedule shall be presented with the sworn statement submitted under this chapter. This fee shall not be considered a tax and may be adjusted by resolution of the City Council.

1. The term of an initially-issued retail/dispensary cannabis business registration shall be one year.

2. The term of a renewed retail/dispensary cannabis business registration shall be two years, subject to any and all other permit renewal fees. The renewal schedule may be adjusted at the City's discretion to be consistent with the cannabis business license renewal under Willows Municipal Code Section 9.20.072 (6).

C. The cannabis business tax imposed by this chapter shall be paid, in arrears, on a monthly basis. Each person owing a cannabis business tax shall on or before the last day of the month following the close of each month file with the Finance Director a statement ("tax statement") of the tax owed for that calendar month and the basis for calculating that tax. The Finance Director may require that the tax statement be submitted on a form prescribed by the Finance Director. The tax for each calendar month shall be due and payable on the same date that the tax statement is due.

1. Alternately, the Finance Director may, in consultation with the City Manager, provide for the tax imposed by this chapter to instead be paid in arrears on a quarterly basis. In such case, the tax owed shall be paid on the last day of the month following the close of the preceding fiscal quarter under the same terms as provided in 3.12.060 (C) above.

D. Upon cessation of a cannabis business, tax statements and payments shall be immediately due for all calendar months up through the calendar month during which cessation occurred.

E. In the event that there is a change in ownership of any cannabis business:

a. The new owner is required to submit an updated registration form to the Finance Director;

b. The new owner is subject to an audit by the Finance Director; and

c. Unless otherwise provided by law, it is the joint and several liability of both the seller and buyer to remit any taxes, interest, penalties, and fees due up until the date of sale; otherwise, enforcement action may be taken pursuant to Section 3.12.160 of this chapter against both the seller and/or buyer in an amount to be determined by the Finance Director.

F. The Finance Director may, at his or her discretion, establish alternative reporting and payment periods for any taxpayer as the Finance Director deems necessary to ensure effective collection of the cannabis business tax. The Finance Director may also require that a deposit, to be applied against the taxes for a calendar month, be made by a taxpayer at the beginning of that calendar month. In no event shall the deposit required by the Finance Director exceed the tax amount he or she projects will be owed by the taxpayer for the calendar month. The Finance Director may require that a taxpayer make payments via a cashier's check, money order, wire transfer, or similar instrument.

3.12.070 Payments and communications – timely remittance.

Whenever any payment, statement, report, request or other communication is due, it must be received by the Finance Director on or before the final due date. A postmark will not be accepted as timely remittance. If the due date would fall on a Saturday, Sunday or a holiday observed by the City, the due date shall be the next regular business day on which the City is open to the public.

3.12.080 Payment - when taxes deemed delinquent.

Unless otherwise specifically provided under other provisions of this chapter, the taxes required to be paid pursuant to this chapter shall be deemed delinquent if not received by the Finance Director on or before the due date as specified in Sections 3.12.060 and 3.12.070.

3.12.090 Notice not required by the City.

The City may as a courtesy send a tax notice to the cannabis business which owes the City a cannabis business tax. However, the Finance Director is not required to send a delinquency or other notice or bill to any person subject to the provisions of this chapter. Failure to send such notice or bill shall not affect the validity of any tax or penalty due under the provisions of this chapter.

3.12.100 Penalties and interest.

A. Any person who fails or refuses to pay any cannabis business tax required to be paid pursuant to this chapter on or before the due date shall pay penalties and interest as follows:

1. A penalty equal to ten percent (10%) of the amount of the tax, in addition to the amount of the tax, plus interest on the unpaid tax calculated from the due date of the tax at the rate of one percent (1%) per month.

2. If the tax remains unpaid for a period exceeding one calendar month beyond the due date, an additional penalty equal to twenty-five percent (25%) of the amount of the tax, plus interest at the rate of one percent (1%) per month on the unpaid tax and on the unpaid penalties.

3. Interest shall be applied at the rate of one percent (1%) per month on the first day of the month for the full month and will continue to accrue monthly on the tax and penalty until the balance is paid in full.

B. Whenever a check or electronic payment is submitted in payment of a cannabis business tax and the payment is subsequently returned unpaid by the bank for any reason, the taxpayer will be liable for the tax amount due plus any fees, penalties and interest as provided for in this chapter, and any other amount allowed under state law.

C. The City Manager may waive the penalties imposed upon any person under this Section 3.12.100 in consultation with the Finance Director if:

1. The person requests a waiver of penalties by submitting a written request for waiver to the Finance Director no later than June 30 of the second fiscal year following the fiscal year in which the tax became delinquent; and

2. The person provides evidence satisfactory to the Finance Director that the failure to pay timely was due to circumstances beyond the control of the person and occurred notwithstanding the exercise of ordinary care and in the absence of willful neglect; and the person paid the delinquent taxes, penalties, accrued interest, and fees owed prior to applying to the Finance Director for a waiver.

D. The waiver provisions specified in Section 3.12.100 (C) shall not apply to interest accrued on the delinquent taxes and a waiver shall be granted only once during any twenty-four

month period. The Finance Director's decision on a request for a waiver of penalties is final and conclusive and not subject to appeal under Section 3.12.150.

3.12.110 Refunds and credits.

A. No refund shall be made of any tax collected pursuant to this chapter, except as provided in Section 3.12.120.

B. No refund of any tax collected pursuant to this chapter shall be made because of the discontinuation, dissolution, or other termination of a business.

3.12.120 Refund procedures.

A. Whenever the amount of any cannabis business tax, penalty or interest has been overpaid, paid more than once, or has been erroneously collected or received by the City under this chapter, it may be refunded to the claimant who paid the tax provided that a written claim for refund signed under the penalty of perjury is filed with the Finance Director within one (1) year of the date the tax was originally due or paid, whichever came first. A person may only file a claim for refund if the person paid the tax. No person shall be entitled to a refund unless the person can support the claim by written records sufficient to show entitlement thereto. The Finance Director's decision on a claim for refund is final and conclusive and not subject to appeal under Section 3.12.150.

B. The Finance Director, his or her designee which may include a third party or any other City officer charged with the administration of this chapter shall have the right to examine and audit all the books and business records of the claimant in order to determine the eligibility of the claimant to the claimed refund. No claim for refund shall be allowed if the claimant refuses to allow such examination of claimant's books and business records after request by the Finance Director to do so. The Finance Director may collect a fee adopted by resolution by the City Council to pay for the cost of examination and audit should the books and records be provided in a form insufficient to allow the Finance Director to make a determination on the claim for refund.

C. In the event that the cannabis business tax was erroneously paid in an amount in excess of the tax due, and the error is attributable to the City, the City shall refund the amount of tax erroneously paid; provided that (i) a claim for refund has been timely filed with the Finance Director; and (ii) the refund cannot exceed, under any circumstance, the amount of tax overpaid during the twelve months preceding the last month for which the claim states the tax was overpaid.

3.12.130 Personal Cultivation Not Taxed.

The provisions of this chapter shall not apply to personal cannabis cultivation or personal use of cannabis, to the extent those activities are authorized in the "Medicinal and Adult Use Cannabis Regulation and Safety Act," as may be amended. This chapter shall not apply to personal use of cannabis that is specifically exempted from state licensing requirements, that meets the

definition of personal use or equivalent terminology under state law, and provided that the individual receives no compensation whatsoever related to that personal cultivation or use.

3.12.140 Administration of the tax.

A. It shall be the duty of the Finance Director to collect the taxes, penalties, fees, and perform the duties required by this chapter.

B. For purposes of administration and enforcement of this chapter generally, the Finance Director may from time to time promulgate such administrative interpretations, rules, and procedures consistent with the purpose, intent, and express terms of this chapter as he or she deems necessary to implement or clarify such provisions or aid in enforcement.

C. The Finance Director may take such administrative actions as needed to administer the cannabis business tax, including but not limited to:

1. Provide to all cannabis business taxpayers forms for the reporting of the tax;

2. Provide information to any taxpayer concerning the provisions of this chapter;

3. Receive and record all taxes remitted to the City as provided in this chapter;

4. Maintain records of taxpayer reports and taxes collected pursuant to this chapter;

5. Assess penalties and interest to taxpayers pursuant to this chapter;

6. Determine amounts owed under and enforce collection pursuant to this chapter.

3.12.150 Appeal procedures.

A taxpayer aggrieved by a decision of the Finance Director with respect to the amount of tax, interest, penalties, and fees, if any, due under this chapter may appeal only if a hearing was requested and attended pursuant to Section 3.12.250. An appeal may be made by filing a notice of appeal with the City Clerk within thirty (30) calendar days of the serving or mailing of the Finance Director's decision of the amount due. Upon receipt of a timely notice of appeal, the City Clerk shall fix a time and place for hearing such appeal with the City Manager or his or her designee serving as the hearing officer. The City Clerk shall give at least ten (10) calendar days' notice of the appeal hearing in writing to such taxpayer at the last known place of address. The hearing officer shall render a written decision that shall be served on the taxpayer at the last known place of address. The decision of the hearing officer shall be final and conclusive. Any amount found to be due by the hearing officer shall be immediately due and payable upon the service of the decision. If no notice of appeal is filed within the time prescribed in this Section, the Finance Director's decision with respect to the amount of tax, interest, penalties, and fees due is final and conclusive.

3.12.160 Enforcement - action to collect.

Any taxes, interest, penalties, and/or fees required to be paid under the provisions of this chapter shall be deemed a debt owed to the City. Any person owing money to the City under the provisions of this chapter shall be liable in an action brought in the name of the City for the recovery of such debt. The provisions of this chapter shall not be deemed a limitation upon the right of the City to bring any other action including criminal, civil and equitable actions, based upon the failure to pay the tax, interest, penalties, and/or fees imposed by this chapter or the failure to comply with any of the provisions of this chapter.

3.12.170 Apportionment.

If a person subject to the tax is operating both within and outside the City, it is the intent of the City to apply the cannabis business tax so that the measure of the tax fairly reflects the proportion of the taxed activity actually carried on in the City. To the extent federal or state law requires that any tax due from any taxpayer be apportioned, the taxpayer may indicate said apportionment on his or her tax return. The Finance Director may promulgate administrative procedures for apportionment as he or she finds useful or necessary.

3.12.180 Constitutionality and legality.

This tax is intended to be applied in a manner consistent with the United States and California Constitutions and state law. None of the tax provided for by this chapter shall be applied in a manner that causes an undue burden upon interstate commerce, a violation of the equal protection or due process clauses of the Constitutions of the United States or the State of California or a violation of any other provision of the California Constitution or state law. If a person believes that the tax, as applied to him or her, is impermissible under applicable law, he or she may request that the Finance Director release him or her from the obligation to pay the impermissible portion of the tax.

3.12.190 Audit and examination of premises and records.

A. For the purpose of ascertaining the amount of cannabis business tax owed or verifying any representations made by any taxpayer to the City in support of his or her tax calculation, the Finance Director or his/her designees, which may include a third party, shall have the power to inspect any location where commercial cannabis activity occurs and to audit and examine all books and records (including, but not limited to bookkeeping records, access to METRC data, and/or point-of-sale data, state and/or federal income tax returns, excise tax returns, space utilized for cannabis related activities, and other records relating to the gross receipts of the business) of persons engaged in cannabis businesses. In conducting such investigation, the Finance Director, or his/her designees, which may include a third party, shall have the power to inspect any space utilized for cannabis business related activities, equipment or software, such as computers, software systems, platforms, and databases (including METRC), and/or point of sale systems, to include any keys or access codes for access to and use of the equipment and/or software, that may contain such records.

B. It shall be the duty of every person liable for the collection and payment to the City of any tax imposed by this chapter to keep and preserve, for a period of at least three (3) years, all records as may be necessary to determine the amount of such tax as he or she may have been liable for the collection of and payment to the City, which records the Finance Director or his/her designee, which may include a third party, shall have the right to inspect at all reasonable times.

3.12.200 Other licenses, permits, taxes, fees or charges.

A. Nothing contained in this chapter shall be deemed to repeal, amend, be in lieu of, replace or in any way affect any requirements for any commercial cannabis permit, City license, permit, or other certificate required by, under or by virtue of any provision of any other Chapter of this code or any other ordinance or resolution of the City, nor be deemed to repeal, amend, be in lieu of, replace or in any way affect any tax, fee or other charge imposed, assessed or required under any other Chapter of this code or any other ordinance or resolution of the City. Any references made or contained in any other Chapter of this code to any licenses, permits, certificates, taxes, fees, or charges, or to any schedule of license, permit, certificate, or fees, shall be deemed to refer to the licenses, permits or certificates, and their respective taxes, fees or charges, or schedule of license fees, provided for in other Chapters of this code.

B. The Finance Director may revoke or refuse to renew the license required by this code for any business that is delinquent in the payment of any tax due pursuant to this chapter or that fails to make a deposit required by the Finance Director pursuant to Section 3.12.060.

C. A commercial cannabis permit issued under the Willows Municipal Code may be revoked, suspended or not renewed in the event that the business holding that permit has failed to (i) make a deposit required by the Finance Director pursuant to Section 3.12.060 or (ii) timely pay all taxes, interest and penalties owed by that business under this chapter.

3.12.210 Payment of tax does not authorize unlawful business.

A. The payment of a cannabis business tax required by this chapter, and its acceptance by the City, shall not entitle any person to carry on any cannabis business unless the person has complied with all of the requirements of this code and all other applicable state laws.

B. No tax paid under the provisions of this chapter shall be construed as authorizing the conduct or continuance of any illegal or unlawful business, or any business in violation of any local or state law.

3.12.220 Deficiency determinations.

If the Finance Director is not satisfied that any statement filed as required under the provisions of this chapter is correct, or that the amount of tax is correctly computed, he or she may compute and determine the amount to be paid and make a deficiency determination upon the basis of the facts contained in the statement or upon the basis of any information in his or

her possession or that may come into his or her possession within three (3) years of the date the tax was originally due and payable. One or more deficiency determinations of the amount of tax due for a period or periods may be made. When a person discontinues engaging in a cannabis business, a deficiency determination may be made at any time within three (3) years thereafter as to any liability arising from engaging in such cannabis business whether or not a deficiency determination is issued prior to the date the tax would otherwise be due. Whenever a deficiency determination is made, a notice shall be given to the person concerned in the same manner as notices of assessment are given under Section 3.12.240 and 3.12.250.

3.12.230 Failure to report—nonpayment, fraud.

A. Under any of the following circumstances, the Finance Director may make and give notice of an assessment of the amount of tax owed by a person under this chapter at any time:

1. If the person has not filed a complete statement required under the provisions of this chapter;

2. If the person has not paid the tax due under the provisions of this chapter;

3. If the person has not, after demand by the Finance Director, filed a corrected statement, or furnished to the Finance Director adequate substantiation of the information contained in a statement already filed, or paid any additional amount of tax due under the provisions of this chapter; or

4. If the Finance Director determines that the nonpayment of any cannabis business tax due under this chapter is due to fraud, a penalty of twenty-five percent (25%) of the amount of the tax shall be added thereto in addition to penalties and interest otherwise payable under this chapter and any other penalties allowed by law.

B. The notice of assessment shall separately set forth the amount of any tax known by the Finance Director to be due or estimated by the Finance Director, after consideration of all information within the Finance Director's knowledge concerning the business and activities of the person assessed, to be due under each applicable provision of this chapter and shall include the amount of any penalties or interest accrued on each amount to the date of the notice of assessment. The notice shall state that the person has thirty (30) calendar days from the date of the notice to make a written request for an informal hearing before the Finance Director. The notice shall also state that if the person fails to timely request an informal hearing within the time allowed, the amount determined by the Finance Director is final and conclusive and is immediately due and payable.

3.12.240 Tax assessment - notice requirements.

The notice of assessment shall be served upon the person either by personal delivery, by overnight delivery by a nationally-recognized courier service, or by a deposit of the notice in the United States mail, postage prepaid thereon, addressed to the person at the address of the

location of the business or to such other address as he or she shall register with the Finance Director for the purpose of receiving notices provided under this chapter; or, should the person have no address registered with the Finance Director for such purpose, then to such person's last known address. For the purpose of Section 3.12.240, a service by overnight delivery shall be deemed to have occurred one (1) calendar day following deposit with a courier and service by mail shall be deemed to have occurred three (3) days following deposit in the United States mail.

3.12.250 Tax assessment - hearing, application and determination.

Within thirty (30) calendar days after the date of service of the notice of assessment the person may apply in writing to the Finance Director for an informal hearing on the assessment. If application for an informal hearing is not made within the time herein prescribed, the tax assessed by the Finance Director shall become final and conclusive. Within thirty (30) calendar days of the receipt of any such application for an informal hearing, the Finance Director shall cause the matter to be set for an informal hearing before him or her, or his/her designee, no later than thirty (30) calendar days after the receipt of the application, unless a later date is agreed to by the Finance Director and the person requesting the informal hearing. Notice of such informal hearing shall be given by the Finance Director to the person requesting such informal hearing no later than five (5) calendar days prior to such informal hearing. A hearing under this section shall be informal and need not follow any formal rules of evidence. At such hearing said applicant may appear and offer evidence why the assessment as made by the Finance Director should not be confirmed and fixed as the tax due. After such hearing the Finance Director shall determine and reassess (if necessary) the proper amount of tax, interest, penalties, and fees to be charged and shall give written notice of the decision to the person in the manner prescribed in Section 3.12.240 for giving notice of assessment. No appeal of a notice of assessment may be made under Section 3.12.150 unless an informal hearing is timely requested and the person attends the hearing. If the person fails to appear at the informal hearing, the amount due determined by the Finance Director in the notice of assessment is final and conclusive.

3.12.260 Relief from taxes – disaster relief.

A. If a person is unable to comply with any tax requirement imposed under this chapter due to a disaster impacting its cannabis business, the person may notify the Finance Director of its inability to comply and request relief from the tax requirement. For purposes of this chapter, “disaster” means fire, flood, storm, tidal wave, earthquake, or similar public calamity resulting in physical damage to real property, whether or not resulting from natural causes.

B. The person shall provide any information required by the Finance Director including, without limitation, why relief is requested, the time period for which the relief is requested, and the reason relief is needed for the specific amount of time. The person agrees to grant the Finance Director or his/her designee access to the location where the cannabis business has been impacted due to a disaster.

C. The Finance Director, in his/her sole discretion, may provide relief from the cannabis business tax requirement for businesses whose operations have been impacted by a

disaster if such tax relief does not exceed ten thousand ($10,000) dollars. Such temporary relief may be granted for a reasonable amount of time, in the Finance Director's sole discretion, and the amount and duration of relief should be based upon how long it would reasonably take for the cannabis business to recover from the disaster. The Finance Director may require that the cannabis business follow certain conditions to receive temporary relief from the cannabis business tax requirement. The Finance Director's decision on a request for relief and the conditions that may be imposed for relief under this section are final and conclusive and not subject to appeal under Section 3.12.150.

3.12.270 Conviction for violation - taxes not waived.

The conviction and punishment of any person for failure to pay the required tax shall not excuse or exempt such person from any civil action for the tax debt unpaid at the time of such conviction. No civil action shall prevent a criminal prosecution for any violation of the provisions of this chapter or of any state law requiring the payment of all taxes.

3.12.280 Violation deemed misdemeanor.

Any person violating any of the provisions of this chapter shall be guilty of a misdemeanor.

3.12.290 Severability.

If any provision of this chapter, or its application to any person or circumstance, is determined by a court of competent jurisdiction to be unlawful, unenforceable, or otherwise void, that determination shall have no effect on any other provision of this chapter or the application of this chapter to any other person or circumstance and, to that end, the provisions hereof are severable.

3.12.300 Remedies cumulative.

All remedies and penalties prescribed by this chapter or which are available under any other provision of this code and any other provision of law or equity are cumulative. The use of one or more remedies by the City shall not bar the use of any other remedy for the purpose of enforcing the provisions of this chapter.

3.12.310 Amendment or modification.

Except as set forth in Section 3.12.310, this chapter may be amended or modified but not repealed by the City Council without a vote of the people. However, as required by Article XIII C of the California Constitution, voter approval is required for any amendment that would expand, extend, or increase the rate of any tax levied pursuant to this chapter beyond the maximums set forth in this chapter. The people of the City of Willows affirm that the following actions shall not constitute an increase of the rate of a tax:

A. The restoration or adjustment of the rate of the tax to a rate that is no higher than that allowed by this chapter, in those circumstances where, among others, the City Council has

previously acted to reduce the rate of the tax or is incrementally implementing an increase authorized by this chapter;

B. An action that interprets or clarifies (i) the methodology of applying or calculating the tax or (ii) any definition applicable to the tax, so long as the interpretation or clarification (even if contrary to some prior interpretation or clarification) is not inconsistent with the provisions of this chapter; or

C. The collection of the tax imposed by this chapter even if the City had, for some period of time, failed to collect the tax.

SECTION 2. SEVERABILITY. If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance. The people of the City of Willows hereby declare that they would have passed this ordinance and each section, subsection, sentence, clause and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared invalid.

SECTION 3. ENVIRONMENTAL COMPLIANCE. The City Council hereby finds and determines that this resolution is exempt from the California Environmental Quality Act, Public Resources Code Sections 21000 et seq. ("CEQA") and 14 Cal. Code Re. Sections 15000 et seq. ("CEQA Guidelines"). The calling and noticing of an election for the submission of a ballot measure to voters is not a project within the meaning of CEQA Guidelines 15378. The tax submitted to the voters is a general tax that can be used for any governmental purpose; it is not a commitment to any particular action or actions.

As such, under CEQA Guidelines Section 15378 (b)(4), the tax is not a project within the meaning of CEQA because it creates a government funding mechanism that does not involve any commitment to any specific project that may result in a potentially significant physical impact on the environment. If revenue generated by the tax were used for a purpose that would have such an effect, the City of Willows would undertake the required CEQA review for that particular project. Therefore, pursuant to CEQA Guideline Section 15060 CEQA analysis is not required.

SECTION 4. EFFECTIVE DATE. Pursuant to the California Constitution, Article XIIIC(2)(b) and California Elections Code 9217, if a majority of the voters voting in the election on Measure "___" vote in favor of the adoption of such measure, this ordinance shall be deemed valid and binding and shall be considered adopted upon the date that the vote is declared by the City Council and shall go into effect ten (10) days after that date.

This Ordinance was approved and adopted by the People of the City of Willows at the City's November 3, 2026 statewide election.

This Ordinance was approved by Declaration of the vote by the City Council of the City of Willows on _____.

_____

Evan Hutson, Mayor

ATTEST:

_____

Karleen Price, City Clerk

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Nathan Monck, Fire Chief
Marti Brown, City Manager

Subject: Staffing and Adequate Fire and Emergency Response (SAFER) Grant Application

Recommendation:

Adopt Resolution XX-2026, authorizing the City Manager, or her designee to submit an application for Staffing and Adequate Fire & Emergency Response (SAFER) Grant funding, using the services of JMCM Consulting, to fund the hiring of additional firefighters.

Rationale for Recommendation:

To leverage grant funding and increase daily staffing from one to three firefighters per day. Additionally, the SAFER grant program requires, at the time of application, a preliminary commitment by the governing body to retain the positions at the end of the grant period. With future Council action, however, this preliminary finding and action may be reversed if unforeseen circumstances warrant it.

Background:

The SAFER Grant Program is administered by the Federal Emergency Management Agency (FEMA) and provides funding directly to fire departments to increase the number of trained frontline firefighters available to serve their communities. The program is intended to help fire departments improve staffing levels, enhance emergency response capabilities, and better meet community fire and emergency service needs.

The City of Willows Fire Department currently operates with limited staffing resources while responding to a broad range of emergency incidents, including structure fires, vegetation fires, vehicle accidents, rescue incidents, emergency medical calls, public assistance requests, and mutual aid assignments. Due to staffing limitations, the Department's ability to consistently maintain adequate on-duty coverage, assemble effective response teams, and meet increasing service demands is constrained.

Applying for SAFER funding provides the City an opportunity to pursue federal assistance to improve Fire Department staffing capacity while minimizing the immediate financial impact to the General Fund. If awarded, SAFER funding would support the City's efforts to increase frontline firefighter availability, improve emergency response reliability, enhance firefighter and public safety, and

strengthen the Department's ability to provide timely fire and emergency services to the Willows community.

Staff recommend submitting a SAFER Grant application as part of the City's broader strategy to pursue outside funding opportunities, improve public safety service delivery, and address long-term Fire Department staffing needs in a fiscally responsible manner.

In December of 2025, the City Council authorized the use of the consultant, JMCM Enterprises, to assist staff in the preparation and submittal of the SAFER package. The originally approved request was assuming that the FY 2025 SAFER grant would be administered similarly to past years, which did not require a local match. Unfortunately, the Program requirements have changed and a local match is now required.

Discussion & Analysis:

The FY 2025 SAFER Grant application period opened May 19, 2026, and closes June 22, 2026. The grant provides funding over a four-year period of performance. Under the FY 2025 program guidance, recipients are required to provide a local cost share of 25% in years one and two, 65% in year three, and assume 100% of personnel costs in year four. Staff anticipate that a substantial portion of the required local contribution could be offset through ambulance transport revenue generated by the additional staffing capacity.

If awarded and subsequently approved by the City Council, the proposed positions would be assigned to a transporting Advanced Life Support (ALS) ambulance operated by the City of Willows Fire Department. At least three of the positions hired would be paramedics which would help ensure that the Willows Fire Department is covered with advanced life support level personnel 24 hours a day, 365 days per year.

Staff recognize that these estimates are subject to change based upon final grant award amounts, negotiated compensation costs, and actual ambulance transport revenues.

The SAFER Grant presents an opportunity to evaluate the feasibility of an ALS ambulance transporting model using a portion of federal funding to offset startup personnel costs. This approach aligns with recommendations presented during the June 1, 2026, Glenn County EMS Assessment meeting regarding exploration of a Public Provider Ground Emergency Medical Transportation (PP-GEMT) reimbursement model.

Staff intend to monitor operational performance, transport volume, reimbursement trends, and financial impacts throughout the grant period. Prior to the conclusion of year two, staff will return to the City Council with a comprehensive evaluation and recommendation regarding the long-term sustainability of the program.

Consistency with Council Priorities and Goals:

This grant application is consistent with the City Council's goals of improving public safety, maintaining fiscal responsibility, and pursuing grant funding opportunities that reduce reliance on General Fund resources. The SAFER Grant would provide an opportunity to increase frontline staffing, improve Advanced Life Support coverage within the community, and evaluate the long-term viability of a transporting ambulance program before committing substantial local resources.

Fiscal Impact:

Approval of the project only authorizes submission of a SAFER Grant application and does not obligate the City to accept any future grant award funds.

If awarded, the estimated local share obligation is approximately:

- Year 1: $188,000
- Year 2: $188,000
- Year 3: $488,800
- Year 4: $752,240

Staff anticipate that ambulance transport revenue generated by the proposed staffing model would offset a substantial portion of these costs. However, actual revenues will depend on call volume, payer mix, collection rates, reimbursement levels, and operational performance.

Should the City be selected for funding, staff will return to the City Council with final award information, updated financial projections, and a recommendation regarding acceptance of the grant prior to executing any grant agreement or incurring any financial obligation.

Staff recognize that acceptance of a future SAFER Grant award will require a separate policy decision by the City Council based upon then-current financial conditions, projected ambulance revenues, and the long-term sustainability of the staffing model.

Attachment:

- Attachment 1: Resolution XX-2026

City of Willows
Resolution XX-2026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILLOWS AUTHORIZING THE SUBMISSION OF AN APPLICATION FOR STAFFING FOR ADEQUATE FIRE AND EMERGENCY RESPONSE (SAFER) GRANT FUNDING AND EXPRESSING THE CITY'S INTENT TO SUSTAIN FUNDED POSITIONS FOLLOWING THE GRANT PERIOD

WHEREAS, the City of Willows Fire Department provides critical fire suppression, emergency medical, rescue, and public safety services to the residents and visitors of the City of Willows; and

WHEREAS, the Staffing for Adequate Fire and Emergency Response (SAFER) Grant Program administered by the Federal Emergency Management Agency (FEMA) provides funding to assist fire departments in increasing frontline firefighter staffing levels and improving emergency response capabilities; and

WHEREAS, the City Council has identified the enhancement of public safety services and emergency response capabilities as a priority for the community; and

WHEREAS, additional firefighter staffing, including paramedic-qualified personnel, will improve firefighter safety, emergency response effectiveness, and the availability of Advanced Life Support services within the City of Willows; and

WHEREAS, the City Council recognizes the long-term value of increasing staffing levels and improving emergency medical service delivery through a transporting Advanced Life Support ambulance program; and

WHEREAS, the City intends to evaluate the operational and financial performance of the SAFER-funded positions throughout the grant period, including the impact of ambulance transport revenues and other available funding sources.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Willows as follows:

1. Authorizes the City Manager, or her designee, to submit an application for Staffing for Adequate Fire and Emergency Response (SAFER) Grant funding

2. Affirms that increasing firefighter staffing levels is a priority of the City Council and is necessary to improve emergency response capabilities, firefighter safety, emergency medical service delivery, and public safety within the City of Willows.

3. Declares the City Council's intent to retain SAFER-funded firefighter positions beyond the conclusion of the grant period and incorporate those positions into the City's long-term staffing plan.

4. Commits to utilizing all reasonable and available funding mechanisms, including ambulance transport revenue, Public Provider Ground Emergency Medical Transportation (PP-GEMT) reimbursement opportunities, grants, service revenues, and future budget appropriations to support the continuation of SAFER-funded positions following the expiration of federal funding.

5. Finds that the continuation of SAFER-funded positions beyond the grant period is in the best interest of the City of Willows and will substantially enhance the City's ability to provide fire protection, emergency medical services, rescue services, and disaster response capabilities to the community.

6. Directs staff to develop and implement a long-term sustainability strategy designed to maintain the positions created through the SAFER Grant Program and to periodically report progress to the City Council.

7. Expresses the City Council's expectation that SAFER-funded positions will become permanent components of the City's emergency response system, subject to future appropriations and applicable law.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council on this 9th day of June, 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED:

_____
Evan Hutson, Mayor

ATTESTED:

_____
Karleen Price, City Clerk

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Marti Brown, City Manager

Subject: Harris & Associates Contract Extension

Recommendation:

Authorize the City Manager to execute a 60-day contract extension with Harris & Associates from June 30, 2026, to August 29, 2026, to complete Title 18 (Zoning) Municipal Code Update.

Rationale for Recommendation:

The Joint City Council and Planning Commission meeting in April 2026 occurred later than originally anticipated, and an additional Joint City Council and Planning Commission meeting was subsequently added to the review timeline. As a result, the available time to complete the final draft of Title 18 (Zoning) before the June 30, 2026 project completion deadline was reduced by nearly two months.

Background:

On August 26, 2025, the City Council approved a proposal from Harris & Associates to complete a comprehensive update of Title 18 (Zoning) of the Willows Municipal Code. Following City Council approval, the City issued a Notice to Proceed to Harris & Associates on September 11, 2025, establishing a project completion date of June 30, 2026.

Discussion & Analysis:

While the project is currently progressing through the code development and review process, and a substantial portion of the work has been completed, additional time is needed to allow for further review and refinement of draft zoning code amendments, final revisions, and completion of the Planning Commission and City Council adoption process. Accordingly, staff recommend extending the project completion date by 60 days, from June 30, 2026, to August 29, 2026.

Over the course of the project, scheduling adjustments affected the timing of key review milestones. Due to scheduling constraints, the April 2026 Joint City Council and Planning Commission meeting occurred approximately three weeks later than originally requested by Harris & Associates. In addition, a second Joint City Council and Planning Commission meeting was held on May 19, 2026, to provide further review and direction on the draft zoning code. This additional meeting was not anticipated in

the original project scope and schedule and reduced the time available to complete final revisions before the June 30, 2026, project completion deadline.

Approving the requested 60-day extension will provide sufficient flexibility to complete the remaining project tasks without unnecessarily compressing the review and adoption schedule. The extension modifies only the project completion date and does not change the approved scope of work and/or increase the authorized project budget.

Consistency with Council Priorities and Goals:

This item is consistent with City Council Priority #2 – Economic Development, Goal 3: Complete a code update to promote business opportunities. The Title 18 Municipal Code Update advances this goal by modernizing development regulations, improving the clarity and usability of the zoning ordinance, and supporting a business-friendly regulatory environment that facilitates investment and economic growth.

Fiscal Impact:

There is no fiscal impact associated with the proposed time only contract extension.

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Marti Brown, City Manager

Subject: Prentice Long, PC: New Contract for the Municipal Code Update Project

Recommendation:

Authorize the City Manager to execute a new contract with Prentice Long, PC through December 31, 2026, for completion of the City of Willows Municipal Code Update.

Rationale for Recommendation:

The previous agreement with Prentice Long, PC expired on December 31, 2024.

Background:

On July 1, 2023, the City entered into a Legal Services Agreement with Prentice Long, PC to provide legal services for a comprehensive update of the City of Willows Municipal Code. The agreement included review, drafting, editing, and updating municipal code provisions to improve organization, consistency, and compliance with current laws and regulations. The agreement was approved for a flat fee of $43,750.

On June 25, 2024, the City and Prentice Long, PC executed a First Amendment extending the agreement term through December 31, 2024.

Although significant progress has been made, portions of the Municipal Code Update remain incomplete. As work progressed, additional review, coordination, and refinement of proposed code amendments were required. Staff is requesting authorization to enter into a new agreement with Prentice Long, PC through December 31, 2026, to complete the remaining work associated with the Municipal Code Update.

Discussion & Analysis:

The Municipal Code Update is intended to modernize the City's regulations, improve clarity and consistency throughout the code, remove outdated provisions, and ensure compliance with current state and federal law. The project represents a significant effort to improve the City's regulatory framework and support efficient municipal operations.

Project delays resulted from the complexity of the code update process, the need for additional review and refinement of proposed amendments, and coordination with related code update efforts, including the Title 18 (Zoning) update. Additional time is necessary to complete the remaining revisions and finalize adoption of the updated Municipal Code.

Prentice Long, PC has extensive familiarity with the project and has completed the majority of the Municipal Code Update. Continuing with the same consultant will provide continuity, avoid duplication of effort, and facilitate efficient completion of the project.

Consistency with Council Priorities and Goals:

This item is consistent with City Council Priority #2 – Economic Development, Goal 3: Complete a code update to promote business opportunities.

Fiscal Impact:

There is no additional fiscal impact associated with the proposed agreement. The agreement is intended solely to provide sufficient time for completion of the remaining Municipal Code Update work and does not increase the previously approved project budget.

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Marti Brown, City Manager

Subject: Sponsorship of the Willows 4th of July Fireworks Show Event

Recommendation:

Consider and approve a $1000 sponsorship of the 2026 Willows 4th of July Fireworks Show.

Rationale for Recommendation:

The annual Willows 4th of July Celebration and Fireworks Show is a longstanding community tradition that brings together residents and visitors to celebrate Independence Day. The event is organized and funded through the efforts of volunteers, local businesses, organizations, and community donations. A City contribution will help support this community event and assist in meeting the costs associated with the fireworks show.

Background:

The City received a donation request from the Willows 4th of July Committee seeking financial support for the 2026 Independence Day Fireworks Show (Attachment 1). The Committee noted that the annual event brings together families, friends, and neighbors from throughout Glenn County and relies on donations from local businesses, organizations, and individuals to fund the fireworks display and related activities. The Committee indicated that donations directly support the fireworks show and help continue this longstanding community tradition.

Discussion & Analysis:

The Committee is seeking sponsorships and community support to fund the 2026 fireworks display (Attachment 1). Sponsorship at the $1,000 level includes recognition on social media platforms, promotional materials, and featured sponsor recognition during the show.

The City's $1000 sponsorship would support this community-wide celebration that promotes civic pride, community engagement, and tourism. The sponsorship recognizes the significant community benefit provided by the event and helps ensure the continuation of a longstanding local tradition.

Consistency with Council Priorities and Goals:

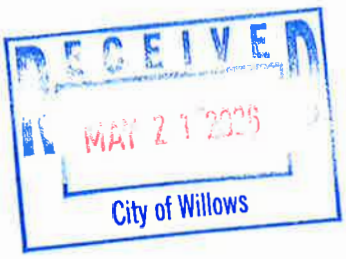
This item is consistent with City Council Priority #4 – Community Engagement by supporting a community event that promotes civic participation, community pride, and quality of life for Willows residents.

Fiscal Impact:

Approval of the recommended action will result in an expenditure of $1,000 from the City's General Fund to sponsor the 2026 Willows 4th of July Fireworks Show.

Attachment:

- Attachment 1: Donation Request from the Willows 4th of July Committee



Willows 4th of July
P.O. Box 173
Willows, CA 95988
Phone: 530-828-9977
Email: willowsfireworksshow@gmail.com
Tax ID: 41-4650749

Date: 05/16/2026

Dear City of Willows,

The Willows 4th of July Committee is proud to continue the tradition of celebrating Independence Day with our community's annual 4th of July Celebration and Fireworks Show on Saturday, July 4, 2026. This event brings together families, friends, and neighbors for a day of fun, entertainment, and patriotic spirit in Glenn County.

Our mission is to create memorable community experiences while giving back through scholarships for Glenn County youth. To accomplish this, we rely entirely on the generosity of local businesses, organizations, and individuals like you.

We kindly ask for your support through a monetary donation and/or a raffle prize contribution. Your donation directly funds this year's fireworks show. Every contribution—large or small—makes a genuine difference in helping us keep this cherished tradition alive.

Please use this letter as your receipt for tax purposes.

Thank you for considering our request and for being part of what makes the Willows community so special. If you would like to volunteer or learn more about the event, please contact Klacey at 530-828-9977 or willowsfireworksshow@gmail.com

With gratitude,

Tony Wagenman & Klacey Worthington
Willows 4th of July Committee

HELP KEEP OUR

WILLOWS 4TH OF JULY FIREWORKS ALIVE!

AMERICA'S 250TH CELEBRATION 1776 ★ 2026

OUR COMMUNITY. OUR TRADITION. OUR CELEBRATION.

The Willows 4th of July fireworks show is more than a tradition—it's a time when our community comes together to celebrate freedom, family, and the American spirit.

This year is extra special—

AMERICA'S 250TH BIRTHDAY!

Let's make it a celebration to remember for generations to come.

This year, we are working hard to raise the final funds needed to make sure the show goes on.

We can't do it without the support of local businesses and neighbors like you!

★ BECOME A SPONSOR ★

Choose the level that works for you!

$100	$250	$500	$1,000+
SOCIAL MEDIA THANK-YOU	NAME ON FLYERS + SOCIAL MEDIA	BUSINESS NAME DISPLAYED AT EVENT	FEATURED SPONSOR RECOGNITION DURING THE SHOW

SUPPORT YOUR COMMUNITY
Help keep this beloved tradition alive!

PROMOTE YOUR BUSINESS
Reach hundreds of local families and visitors!

MAKE A LASTING IMPACT
Your support creates memories for years to come.

READY TO HELP?

We accept donations via:

venmo

CHECK / CASH

★ Every donation—big or small—makes a HUGE difference!

Questions or want to donate?

CONTACT:

Klacey Worthington
530-828-9977

willowsfireworkshow@gmail.com

Thank you for supporting our community! ♡

★ TOGETHER, WE CAN LIGHT UP THE SKY THIS 4TH OF JULY! ★

Date: June 09, 2026

To: Honorable Mayor and City Councilmembers

From: Joei Harrison, Finance Director
Marti Brown, City Manager

Subject: FY 2025-26 Appropriations Limit

Recommendation:

Adopt Resolution XX-2026 establishing the FY 2025-26 Appropriations Limit for the City of Willows.

Rationale for Recommendation:

The City is required to establish its appropriations limit annually by Council resolution.

Background:

The appropriations limit imposed by Propositions 4 and 111 creates a restriction on the amount of revenue that can be appropriated in any fiscal year. The limit is based on the actual appropriations during the 1978-79 fiscal year and is increased each year using the growth in population and inflation. Not all revenues are restricted by the limit, only those that are designated as “proceeds of taxes” are included.

Discussion & Analysis:

The growth in population in Glenn County for Fiscal Year 2024-25 was 1.62%. The annual Per Capita Personal Income growth in the State of California applied to Fiscal Year 2025-26 is 6.44%. Combining these factors yields a growth rate of 1.0162% (1.0644 x 1.0162), which is applied to the Gann Limit amount for FY 2024-25 to determine the FY 2025-26 limit.

The City’s appropriations limit for fiscal year 2025-26 is $15,411,889. With anticipated proceeds of taxes estimated at $6,433,998 for the year, the City is $8,977,891 below the limit.

Consistency with Council Priorities and Goals:

This agenda item is consistent with the overall Council Priority #1: Fiscal Stability.

Fiscal Impact:

There is no direct financial impact as the City is below the Appropriation Limit for FY 2025-26.

Attachment:

- Attachment 1: XX-2026 Appropriations Resolution

City of Willows
Resolution XX-2026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILLOWS

ESTABLISHING FY 2025-26 APPROPRIATION LIMIT

WHEREAS, Proposition 4, which was passed by the electorate, at a special election held on November 6, 1979, added Article XIII B to the Constitution to place various limitations on the fiscal powers of local government; and

WHEREAS, Proposition 111 amended Article XIII B requiring the city to choose adjustment factors annually; and

WHEREAS, the adjustment factors used to determine the FY 2025-26 appropriation limit are the California per capita income increase and city population growth.

NOW, THEREFORE, BE IT RESOLVED that the City of Willows' FY 2025-26 Appropriation Limit is $15,411,889.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council of the City of Willows this 9th day of June 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED:

_____
Evan Hutson, Mayor

ATTESTED:

_____
Karleen Price, City Clerk

PUBLIC HEARING

City Of Willows

AB 2561
Annual Public Hearing

Status of Vacancies, Recruitment & Retention Strategies

Purpose of the Hearing

Comply with Assembly Bill (AB) 2561 requirements by holding an annual public hearing prior to adoption of the budget to:

- **Report on job vacancies and hiring challenges**
- **Discuss recruitment and retention efforts**
- **Review of policies and practices affecting hiring & retention**
- **Provide employee organizations an opportunity to participate**

Employee Organization Participation

The City provided notice of this Public hearing to recognized Employee Organizations, UPEC Fire and UPEC General. Since there are currently no vacancies within either bargaining unit, neither requested to present or provide comments to City Council.

Workforce Overview

Position Type	Authorized	Filled	Vacant
Full-Time	19	18	1*
Part-Time	23	23	0
Total	42	41	1

Overall Vacancy Rate: 2.38%

***This was the Finance & HR Specialist for utility billing that has since been changed to a part-time Utility Biller position.**

Workforce Overview

Staffing data includes all budgeted full-time and part-time positions.

Seasonal and temporary positions, including recreation employees, are reported separately.

Temporary/Seasonal: 6

Employee Turnover FY 2025-26

Turnover Rate = 4.76%

- Resignations: 2
- Retirements: 0
- Terminations: 0
- Total Separations: 2

Internal Advancements: 1

Vacancies filled during FY 2025-26

Positions Successfully Filled

- City Librarian
- Mechanic
- Finance Director
- Children's Librarian
- Administrative Services Analyst

Result:

Reduced vacancies in key operational areas.

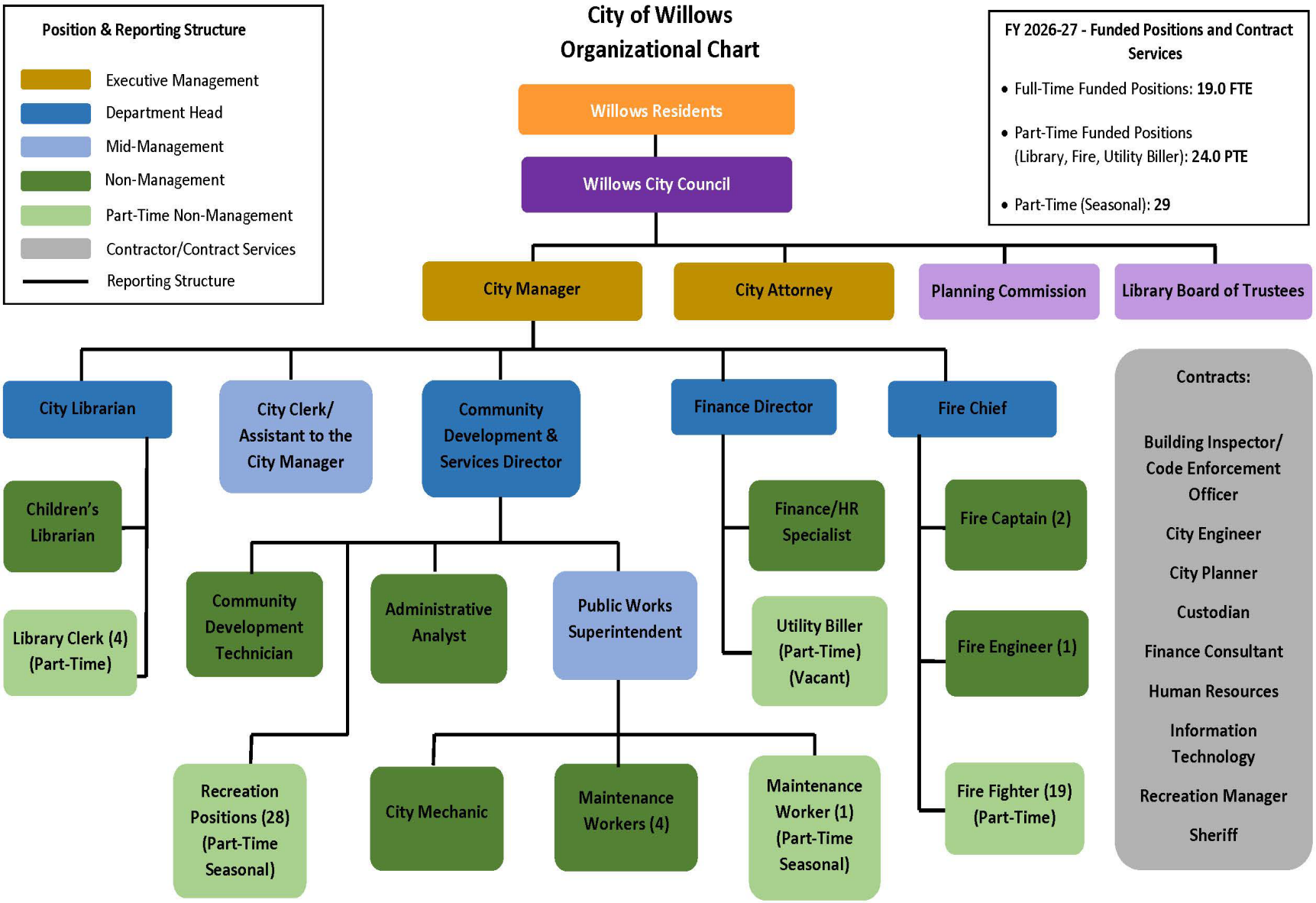
Position Reallocation

Finance & Human Resources Specialist (1)

- Position remained vacant FY 2025-26.
- Staffing needs were evaluated.
- Position eliminated from FY 2026-27 budget.

Organizational Change

- Funding reallocated to a new part-time Utility Biller position for FY 2026-27.


Position & Reporting Structure
Executive Management
Department Head
Mid-Management
Non-Management
Part-Time Non-Management
Contractor/Contract Services
Reporting Structure
City of Willows
Organizational Chart
FY 2026-27 - Funded Positions and Contract Services
• Full-Time Funded Positions: 19.0 FTE
• Part-Time Funded Positions (Library, Fire, Utility Biller): 24.0 PTE
• Part-Time (Seasonal): 29
Willows Residents
Willows City Council
City Manager
City Attorney
Planning Commission
Library Board of Trustees
City Librarian
City Clerk/ Assistant to the City Manager
Community Development & Services Director
Finance Director
Fire Chief
Children's Librarian
Library Clerk (4) (Part-Time)
Community Development Technician
Administrative Analyst
Public Works Superintendent
Finance/HR Specialist
Utility Biller (Part-Time) (Vacant)
Fire Captain (2)
Fire Engineer (1)
Fire Fighter (19) (Part-Time)
Recreation Positions (28) (Part-Time Seasonal)
City Mechanic
Maintenance Workers (4)
Maintenance Worker (1) (Part-Time Seasonal)
Contracts:
Building Inspector/ Code Enforcement Officer
City Engineer
City Planner
Custodian
Finance Consultant
Human Resources
Information Technology
Recreation Manager
Sheriff

Recruitment Efforts

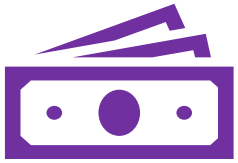
Targeted job postings on Indeed.com and other specialized job boards

Posting on Facebook, City Website, and Glenn County Job Tips Bulletin

Collaboration with Glenn County Community Action Department

Internship and job-training programs

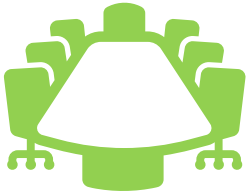
Retention Strategies



COLA adjustments

Employee development & training

Flexible work schedules



Completed Labor Negotiations & New MOUs

Planned Employee Wellness Policy for FY 2026-27

Recognition and internal promotions

Recruitment & Hiring Barriers

Limited applicant pools for specialized roles

Competition with larger cities for top talent

Lengthy background check and onboarding process

Salary competitiveness in the current market

Policy & Procedure Review

Update

- Comprehensive update of Personnel Rules (underway).

Implement

- Implement Employee Wellness Policy (underway).

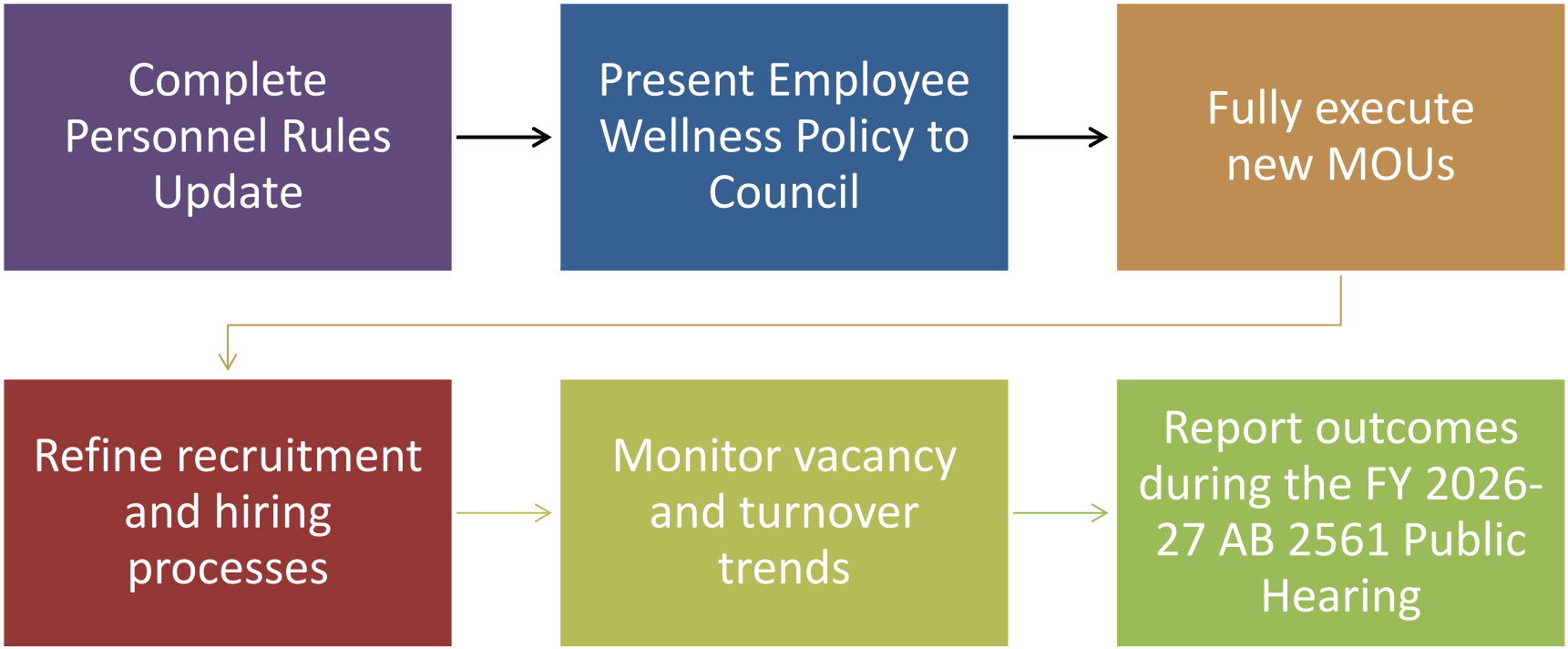
Review

- Continued review of recruitment and onboarding practices.

Evaluate

- Evaluation of hiring timelines and procedures.

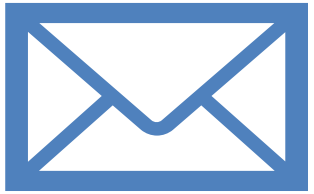
Next Steps


Complete Personnel Rules Update
Present Employee Wellness Policy to Council
Fully execute new MOUs
Refine recruitment and hiring processes
Monitor vacancy and turnover trends
Report outcomes during the FY 2026-27 AB 2561 Public Hearing

Public Input

Questions or comments from the public are welcome.

Contact: Karleen Price, City Clerk/Assistant to the City Manager



Written comments may be made to info@cityofwillows.org

Thank You

Thank you for being part of the conversation! Together, we can boost workforce engagement and keep the City of Willows moving forward to meet the community's needs.

"The greatest asset of any organization is its people."— Peter Drucker

DISCUSSION & ACTION CALENDAR

Date: June 09, 2026

To: Honorable Mayor and City Councilmembers

From: Joei Harrison, Finance Director

Subject: FY 2026-27 Budget Approval

Recommendation:

Receive the presentation, discuss, amend as needed, and approve Resolution XX-2026 adopting the FY 2026-27 Budget.

Rationale for Recommendation:

Section 2.10.160 of the City of Willows Municipal Code, Preparing and Submitting Proposed Budget and Salary Plan requires the City Manager to present an annual budget for Council consideration and approval.

Background:

On May 12, 2026, the City Council held the first presentation of the Preliminary Fiscal Year 2026-27 proposed city budget. The final budget presentation will be held on Tuesday, June 09, 2026, at which time the City Council may consider and adopt the attached draft Fiscal Year 2026-27 Operating Budget for all Funds (Attachment 1), as well as the budget resolution (Attachment 2). There are no proposed changes to the FY 2025-26 approved Salary Plan and, therefore, they have not been included in the staff report and presentation.

Discussion & Analysis:

Since the May 12, 2026, budget presentation and based on Council direction and staff recommendations, the following budget amendments are proposed for the FY 2026-27 Budget:

- Increase City Council monthly stipend from $250 to $500 per month effective January 1, 2027 increasing the Council's budget schedule, "Personnel Services" by $8,073 annually.
- Increase the Planning Commission stipend from $50 to $100 per month effective January 1, 2027 increasing the Planning budget schedule, "Personnel Services" by $1,613 annually.

- Increase Information Technology Services by $8,000 for computer equipment and transfer remaining MOM's historic software data to a static but accessible platform.
- Increase the Museum Department's budget schedule, "Building Maintenance" by $4,500 for floor repairs.
- Increase the Police budget schedule, "Contractual Services" by $125,000 for consulting fees to form the Mello-Roos Community Facilities District to re-establish the Willows Police Department.

Included with this staff report are the final proposed FY 2026-27 Budget and Schedules (Attachment 1), FY 2026-27 Budget Presentation (Attachment 2) and the Budget Resolution (Attachment 3).

Fiscal Impact:

Based on Council approval, adopting this budget will allow city management to expend City funds as identified in the recommended Fiscal Year 2026-27 budget and based on projected revenues and expenses.

Attachments:

- Attachment 1: Proposed FY 2026-27 Budget
- Attachment 2: FY 2026-27 Budget Presentation
- Attachment 3: XX-2026 Budget Resolution

City of Willows

Fiscal Year 2026-27

Operating Budget

CITY OF WILLOWS

Evan Hutson – Mayor

Richard Thomas – Vice-Mayor

Gary Hansen - Council Member

Lorri Pride – Council Member

Matt Busby – Council Member

Marti Brown – City Manager

Nathan Monck – Fire Chief

Joe Bettencourt - Community Development & Services Director

Joei Harrison – Finance Director

Natisa Pfyl – Public Works Superintendent

Karleen Price – City Clerk

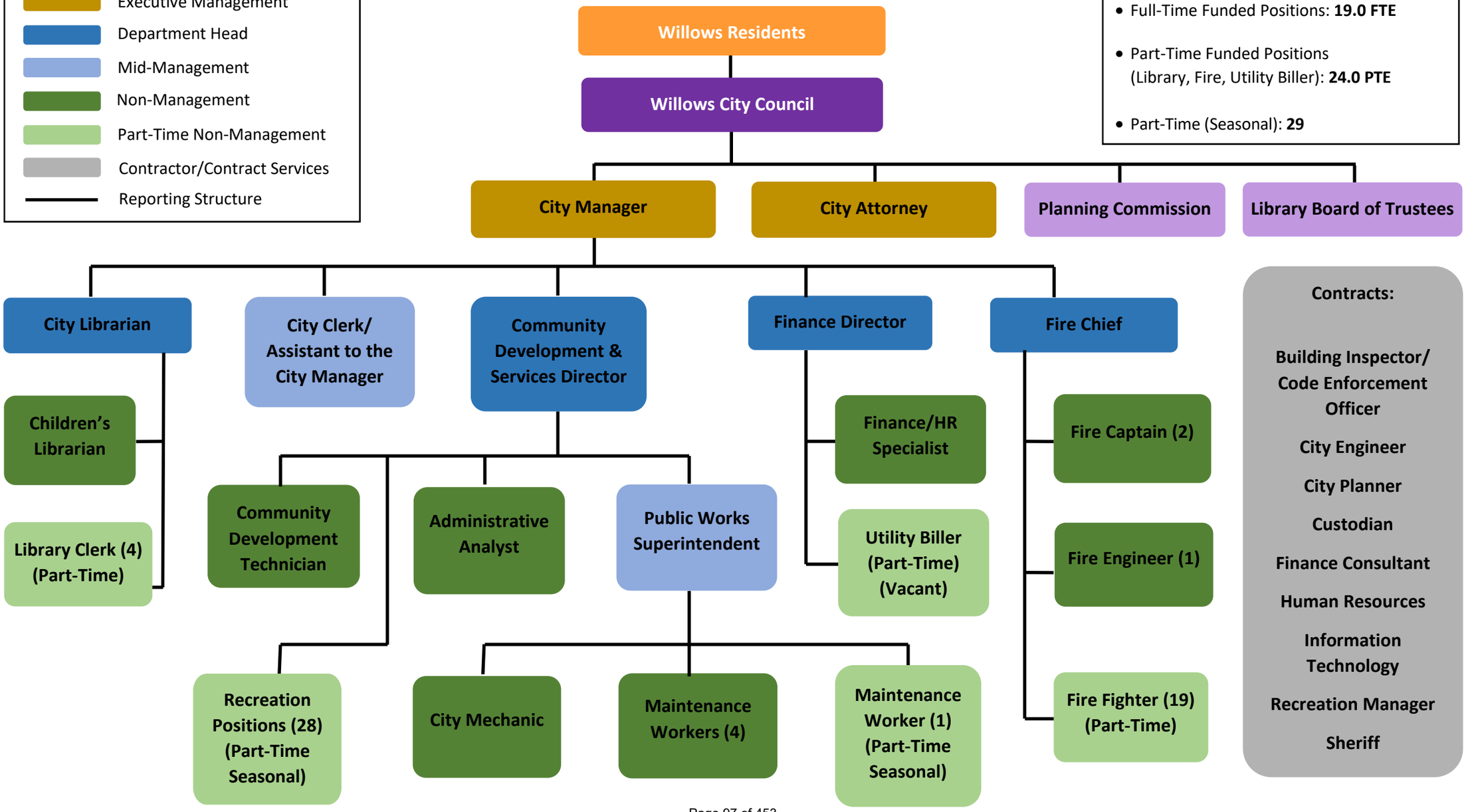
City of Willows
Organizational Chart

Position & Reporting Structure

- Executive Management
- Department Head
- Mid-Management
- Non-Management
- Part-Time Non-Management
- Contractor/Contract Services
- Reporting Structure

FY 2026-27 - Funded Positions and Contract Services

- Full-Time Funded Positions: **19.0 FTE**
- Part-Time Funded Positions (Library, Fire, Utility Biller): **24.0 PTE**
- Part-Time (Seasonal): **29**



CITY OF WILLOWS
FISCAL YEAR 2026-27 BUDGET OVERVIEW

The following summary of the Fiscal Year 2026-27 Operating Budget includes a comparison to Fiscal Year 2025-26 estimated actual revenues and expenditures, along with a discussion of significant budgetary changes and recommendations.

On May 12, 2026, staff presented the Fiscal Year 2026-27 Preliminary Budget to the City Council, including updated estimates for the remainder of Fiscal Year 2025-26 and preliminary projections for Fiscal Year 2026-27. The preliminary budget process provided an opportunity to discuss current fiscal conditions, operational needs, funding constraints, and long-term financial considerations affecting the City. The Proposed Budget presented herein incorporates updates made since the preliminary budget presentation and includes budgetary information for all City funds.

Economic uncertainty continues to affect local government finances. Inflationary pressures continue to increase the cost of delivering public services, including employee benefits, health insurance, utilities, fuel, infrastructure maintenance, and contractual services. In addition, CalPERS retirement obligations, insurance costs, and other operating expenditures continue to place upward pressure on City budgets. As a result, City staff continues to closely monitor economic conditions, revenue trends, expenditure growth, and long-term financial projections to ensure the City remains fiscally sustainable while maintaining desired service levels.

Combined operating budget revenues for Fiscal Year 2026-27 are estimated at approximately $16.1 million, compared to approximately $12.4 million in Fiscal Year 2025-26. The increase is primarily attributable to grant revenues, capital project funding, enterprise fund activity, and other revenues associated with planned infrastructure and operational projects. While overall revenues are increasing, growth in the City's core General Fund revenues remains modest as consumers continue to monitor discretionary spending and economic conditions remain uncertain.

Total budgeted expenditures for Fiscal Year 2026-27 are approximately $17 million, compared to approximately $14.7 million in Fiscal Year 2025-26. The increase is largely attributable to planned capital improvement projects, infrastructure investments, enterprise fund expenditures, and other one-time project-related costs budgeted throughout various City funds.

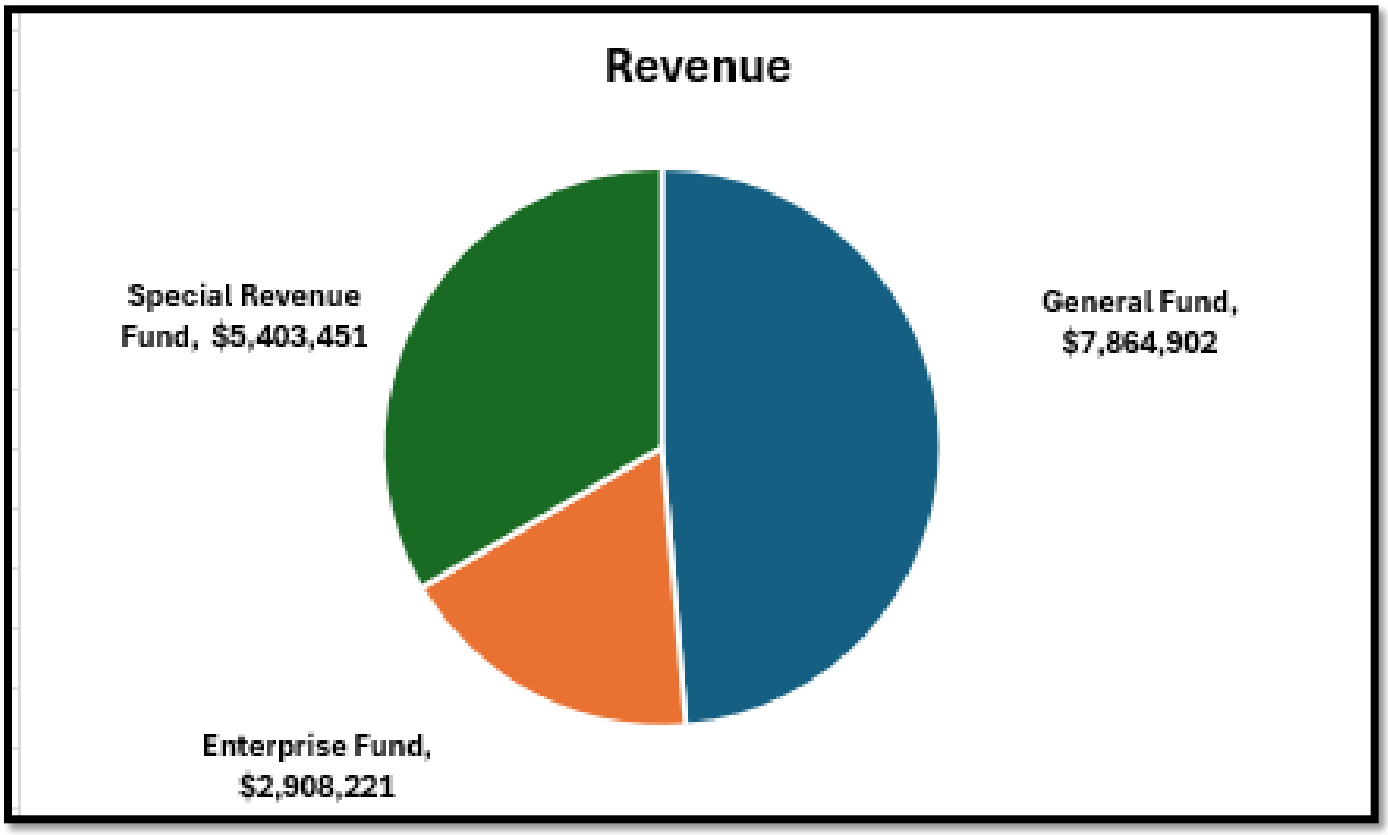
The total operating budget includes the use of accumulated fund balances, restricted reserves, grant funding, and other resources within various special revenue, capital, and enterprise funds. As such, annual expenditures may exceed annual revenues in certain funds without negatively impacting the City's overall financial condition, as those expenditures are supported by previously accumulated resources, fund-specific reserves, and restricted funding sources.

Citywide Revenues

Total estimated revenues for FY 2026-27 are projected to increase by approximately $82,000 compared to FY 2025-26 estimated actual revenues. While revenues continue to show modest

growth, current economic conditions, inflationary pressures, and changing consumer spending habits have resulted in slower revenue growth than experienced in prior years.

Fiscal Year 2026-27 Budgeted Operating Revenues
Total Revenue = $16,176,657

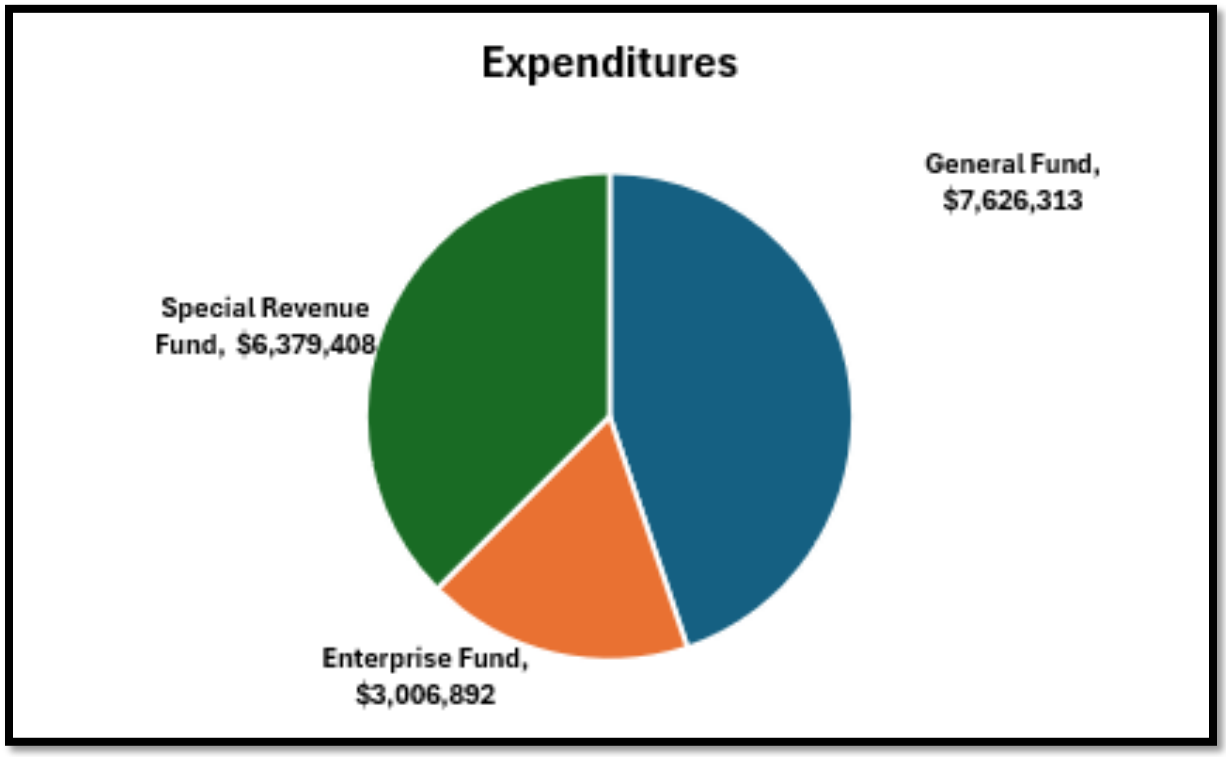


Citywide Expenditures

Anticipated expenditures for FY 2026-27 are approximately $17 million, a increase of approximately $1.5 million compared to the estimated $15.5 million in expenditures for FY 2025-26. The increase is largely attributable to the one-time grant-funded projects, capital improvements, and other special projects budgeted, including significant sewer infrastructure projects, and improvements to Sycamore Park.

The FY 2026-27 preliminary budget fully funds all authorized positions for the entirety of the fiscal year and does not assume vacancy savings. The budget also assumes the City will fill the part-time Utility Billing position during the first quarter of FY 2026-27. This approach provides a realistic estimate of anticipated personnel costs while ensuring adequate staffing levels to support ongoing operations and service delivery

Fiscal Year 2026-27 Budgeted Operating Expenditures
Total Expenditures = $17,012,613



Taken as a whole, the FY 2026-27 preliminary budget anticipates expenditures exceeding annual revenues by approximately $900,000. However, this does not represent a General Fund deficit. Rather, the difference is primarily attributable to the planned use of accumulated fund balances, restricted reserves, one-time grant funding, and previously received financing proceeds designated for specific capital improvement projects and debt service obligations within various City funds.

The budget presented herein provides a comprehensive review of City operations and financial activities as accounted for within their respective funds, while establishing a financial plan for FY 2026-27 that is consistent with City Council priorities, operational needs, and long-term financial planning objectives.

A brief overview of the City's major operating, special revenue, capital, and enterprise funds is presented below.

General Fund
FY 2026-27 General Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 8,913,199	$ 8,022,437
FY 2026-27 Proposed Budget	$ 7,865,446	$ 7,626,314

As indicated above, the FY 2026-27 Proposed General Fund Budget includes estimated revenues of approximately $7.86 million and expenditures of approximately $7.63 million, resulting in a projected operating surplus of approximately $239,132. Specific revenue and expenditure impacts to the City's General Fund for FY 2025-26 are noted below.

FY 2026-27 budgeted General Fund revenues of $7,864,446 reflect an approximate decrease of $1 million compared to FY 2025-26 estimated actual revenues. The decrease is primarily attributable to the removal of one-time revenues received during FY 2025-26, including OES Strike Team deployment reimbursements, grant-related revenues, insurance proceeds, and other non-recurring funding sources that are not anticipated to continue in FY 2026-27.

Despite the overall decrease, the General Fund continues to be supported by several key ongoing revenue sources, including:

- Property Tax revenues, estimated at approximately $1,224,000, reflect modest growth consistently with current assessed valuation trends and State CPI limitations.
- Measure I Transaction and Use Tax revenues, estimated at approximately $2,208,964.
- Cost allocations and reimbursements from the Sewer Enterprise Fund for administrative, finance, legal, audit, information technology, and other general overhead costs absorbed by the General Fund, estimated at approximately $301,808.
- Reimbursement revenues associated with planning, engineering, and development-related activities, estimated at approximately $105,000.

The City's primary ongoing revenue sources continue to be heavily dependent upon economic conditions, consumer spending patterns, property values, and broader statewide economic activity.

FY 2026-27 budgeted expenditures of $7,626,314 reflect a decrease of approximately $396,123 compared to FY 2025-26 estimated actual expenditures of $8,022,437. The decrease is primarily attributable to the completion of several one-time projects, grant-funded activities, and non-recurring expenditures that occurred during FY 2025-26, including OES Strike Team deployment activities, Municipal Code update costs, property acquisition expenditures, one-time health insurance assessments, and other special projects.

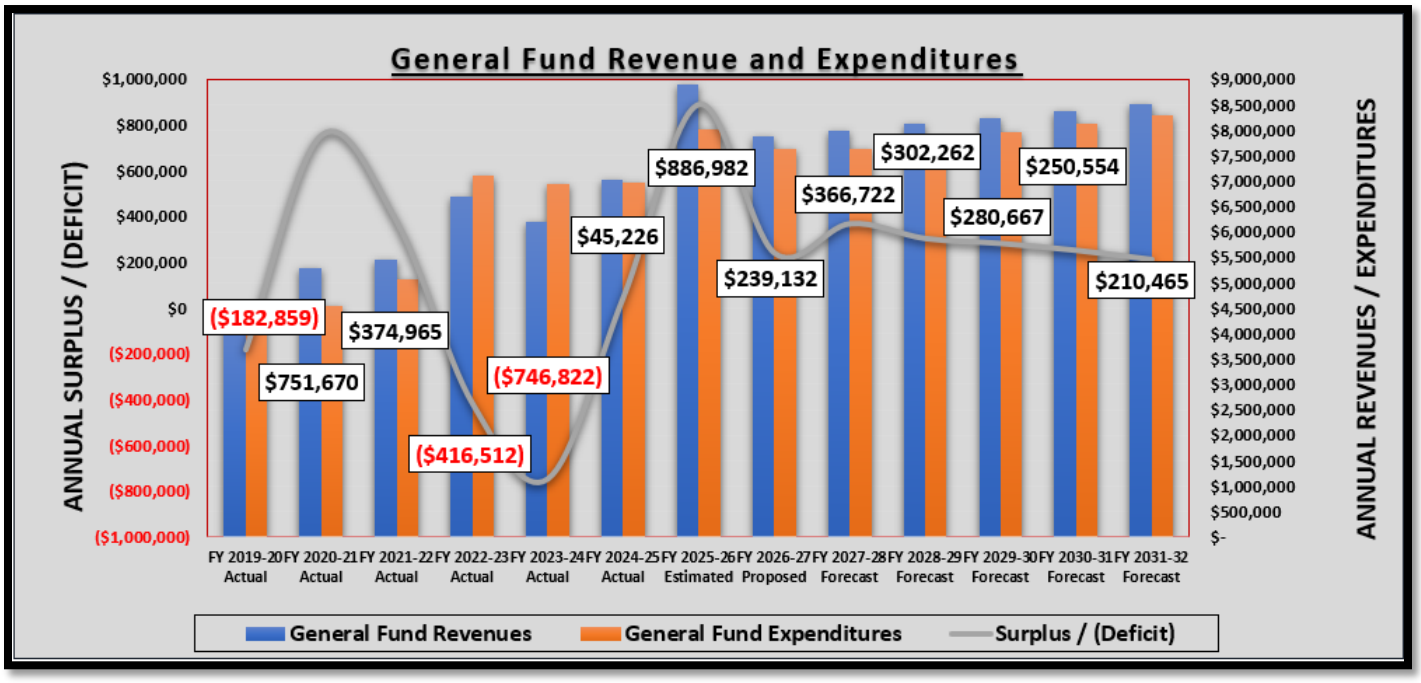
While overall expenditures are decreasing, the FY 2026-27 budget continues to reflect increases in several ongoing operational areas, including:

- Negotiated salary and benefit adjustments in accordance with approved labor agreements and personnel policies.
- Increased police service contract costs with the Glenn County Sheriff's Office.
- Rising employee health insurance, workers' compensation, and retirement-related costs.

- Ongoing information technology, cybersecurity, software licensing, and technology modernization expenditures.
- Police – Bond/Mello-Roos consulting onetime fee
- Increased Public Works operational costs associated with fleet maintenance, deferred maintenance activities, and infrastructure support.
- Election administration costs and City Clerk professional training and certification programs.
- Continued funding for code enforcement, public safety, library services, parks maintenance, and community development activities.

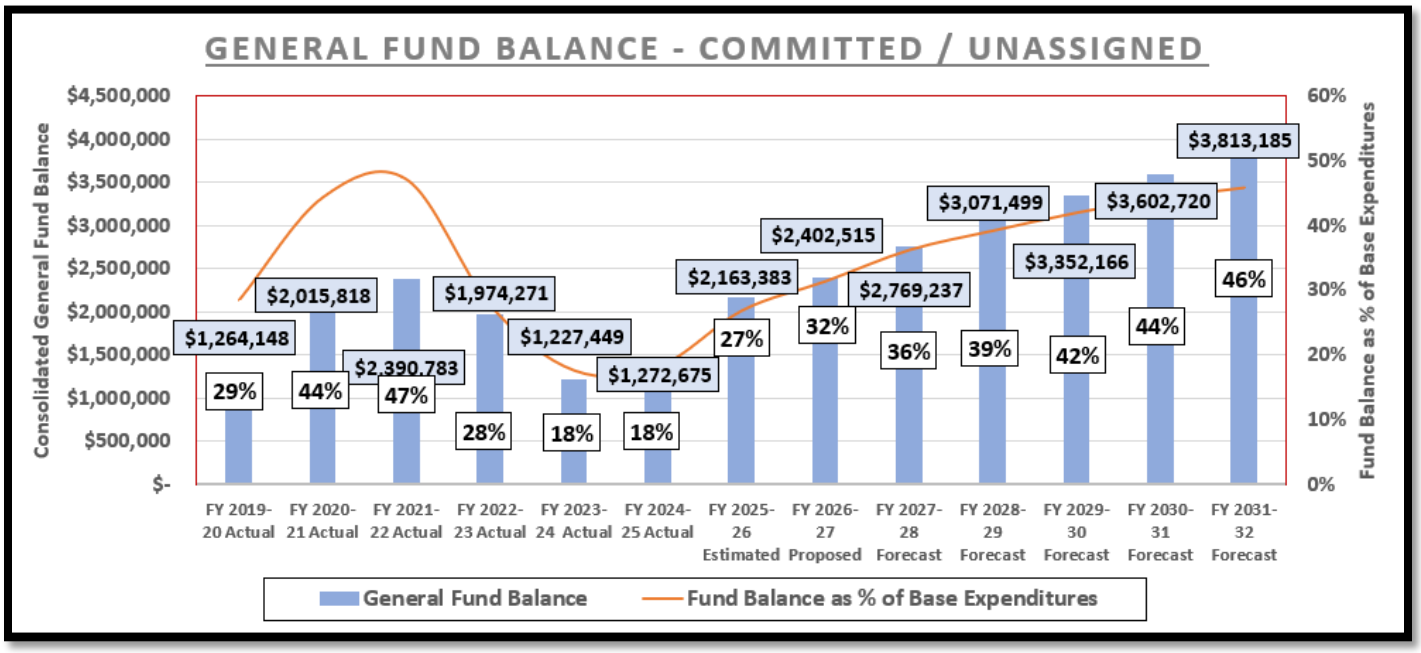
The FY 2026-27 budget fully funds all authorized positions and does not assume vacancy savings, providing a conservative estimate of the resources necessary to maintain current service levels throughout the organization.

The updated multi-year forecast for the General Fund is presented below:



FY 2026-27 PRELIMINARY GENERAL FUND BUDGET FUND BALANCE

Taking into account the revenue and expenditure assumptions discussed herein, including projected operating revenues, anticipated expenditure growth, capital needs, personnel costs, and other long-term financial considerations, the City's General Fund reserve levels are projected to change as illustrated in the graph below. The forecast incorporates current assumptions regarding revenue growth, expenditure increases, and known operational needs over the forecast period and is intended to provide a planning tool for evaluating the City's long-term financial sustainability.



Given the Preliminary General Fund Budget framework, General Fund reserves are anticipated to be approximately $2,402,515at the end of FY 2026-27.

ENTERPRISE FUNDS

The City currently has only one active Enterprise Fund – the Sewer Fund. The Enterprise Fund is treated as a "business-type" fund whereby all support for the enterprise activity is paid directly by those who benefit from the service – the rate payers. The proposed budget for the Sewer Fund is as follows.

Sewer Enterprise Fund

FY 2026-27 Sewer Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 2,788,621	$ 4,979,520
FY 2026-27 Proposed Budget	$ 2,908,221	$ 3,006,892

FY 2026-27 Sewer Fund revenues are projected at approximately $2.91 million, an increase of approximately $120,000 compared to FY 2025-26 estimated actual revenues. The increase is primarily attributable to the programmed sewer rate adjustment incorporated into the City's ongoing Proposition 218 sewer rate study. The FY 2026-27 budget assumes the proposed rate adjustment becomes effective August 1, 2026. Sewer connection fees are not budgeted as a revenue source and are recognized only when development activity occurs and fees are actually collected.

FY 2026-27 Sewer Fund expenditures are budgeted at approximately $3.01 million, a decrease of approximately $1.97 million compared to FY 2025-26 estimated actual expenditures. The decrease is primarily attributable to the completion of several one-time capital improvement projects and infrastructure investments that occurred during FY 2025-26. Despite the overall reduction, the FY 2026-27 budget continues to include significant capital expenditures necessary to maintain system reliability, regulatory compliance, and long-term operational sustainability, including:

- Blower Building Improvement - $40,000
- WWTP Safety Improvement - $30,000
- Annual Sewer Replacement Project - $412,500
- WWTP Upgrades - $125,000
- Chlorine Contract Chamber Imprv - $120,000
- Tertiary Filtration Structure Repairs - $50,000
- Annual Vehicle Replacement - $165,000
- WWTP SCADA and Admin Bldg Upgrade - $45,000
- Tyler Technologies Utility Billing Module - $17,500.

The Sewer Fund budget also includes approximately $301,808 in overhead, administration, and Public Works support costs associated with sewer operations. Actual transfers will be limited to eligible and supportable costs incurred in providing services to the Sewer Fund.

SPECIAL REVENUE FUNDS - TRANSPORTATION

The City's Transportation-related Special Revenue Funds include the Gas Tax, RMRA (SB-1) and RSTP funds. Revenues earned in these funds can only be used for applicable transportation-related purposes. The proposed budgets for the Transportation Special Revenue Funds are as follows.

Gas Tax Funds

FY 2026-27 Gas Tax Funds Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 187,764	$ 428,350
FY 2026-27 Proposed Budget	$ 184,526	$ 284,675

The Gas Tax Funds account for the receipt of gas tax revenues which may be used towards applicable transportation-related expenditures.

Capital projects are expected to include $166,675 allocated towards the Street Maintenance Program. This funding will be drawn from the carryover fund balance, which has been built up over multiple fiscal years.

It is anticipated that the Gas Tax Fund will have $245,759 in remaining fund balance at the end of the 2026-27 fiscal year.

RMRA / SB-1 Funds

FY 2026-27 RMRA / SB-1 Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 173,366	$ 265,210
FY 2026-27 Proposed Budget	$ 167,000	$ 132,500

The RMRA SB-1 Fund accounts for the receipt of SB-1 revenues which may be used towards applicable transportation-related expenditures. Capital projects are expected to only include $132,500 allocated towards the Oak/Madrone Project will be drawn from the carryover fund balance, which has been built up over multiple fiscal years.

It is anticipated that the RMRA SB-1 Fund will have $226,823 in fund balance remaining at the end of the 2026-27 fiscal year.

RSTP Fund

FY 2026-27 RSTP Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 111,871	$ 111,871
FY 2026-27 Proposed Budget	$ 70,000	$ 70,000

The RSTP Fund accounts for the receipt of regional transportation and grant-related funding periodically received through the County and/or State. These revenues may be used towards applicable transportation-related expenditures. For FY 2026-27, revenue estimate of $70,000 has been included to account for potential RSTP funding from the County.

Capital projects are expected to only include $70,000 allocated towards the Oak Street and Madrone Manor Road Rehabilitation Project.

It is anticipated that the RSTP Fund will have $0 in fund balance remaining at the end of the 2026-27 fiscal year.

SPECIAL REVENUE FUNDS - LIBRARY

The City's Library-related Special Revenue Funds include the County Library, Literacy Pass-Through, Zip Books, Northnet Training and CLSA Delivery funds. Revenues earned in these funds can only be used for applicable library-related purposes. The proposed budgets for the Library Special Revenue Funds are as follows.

County Library & Literacy Pass-Through Funds

FY 2026-27 County Library / Literacy Pass Through Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 126,600	$ 123,021
FY 2026-27 Proposed Budget	$ 129,100	$ 129,000

Revenue sources in FY 2026-27 consist of the annual allocation of funding from Glenn County and the anticipated receipt of a Library Literacy Grant from the State of California. This funding covers a portion of the associated costs to operate the City of Willows Library.

The transfer out essentially covers costs related to the Willows Library, which are wholly accounted for in the General Fund.

It is anticipated that the County Library & Literacy Funds will have no fund balance remaining on June 30, 2027, as all funding received for the library goes to cover net operating costs borne by the City's General Fund.

Zip Books Fund

FY 2026-27 Zip Books Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 7,517	$ 7,517
FY 2026-27 Proposed Budget	$ 7,517	$ 7,517

Both revenues and expenditures anticipated for the Zip Books Fund are updated to the budget as funds are received (typically at mid-year). Both revenues and expenditures are anticipated at the same levels from year-to-year.

It is anticipated that the Zip Books Fund will have no fund balance remaining on June 30, 2027, as all anticipated funding received is appropriate for use.

Northnet Training Fund

FY 2026-27 Northnet Training Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 1,200	$ 1,000
FY 2026-27 Proposed Budget	$ 1,000	$ 1,000

Both revenues and expenditures anticipated for the Northnet Training Fund are updated to the budget as funds are received (typically at mid-year).

It is anticipated that the Northnet Training Fund balance will be $2,024 on June 30, 2027.

CLSA Delivery Fund

FY 2026-27 CLSA Delivery Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 4,505	$ 10,000
FY 2026-27 Proposed Budget	$ 5,000	$ 12,000

Revenues anticipated to be received in the CLSA Delivery Fund have been updated to account for E-Rate revenues anticipated to be received during FY 2026-27. Expenditures for broadband costs are at the level expected to be incurred in the prior year.

It is anticipated that the CLSA Delivery Fund will have approximately $25,922 in fund balance remaining on June 30, 2027.

SPECIAL REVENUE FUNDS – MISCELLANEOUS OPERATIONAL

The City's Miscellaneous Operational Special Revenue Funds include Certified Access, Willows Lighting & Landscape Districts, Recreation Reimbursement, Recreation Cultural, Community Discretionary, Mall Maintenance and State Recycling Grant funds. These funds can only be used for fund-specific purposes and are discussed below.

Certified Access (ADA) Fund

FY 2026-27 Certified Access (ADA) Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 500	$ -
FY 2026-27 Proposed Budget	$ 1,500	$ -

Revenues anticipated to be received in the Certified Access (ADA) fund have been updated to account for a portion of the business license fees received specific to ADA Access upgrades. There are no expenditures anticipated for FY 2026-27. These funds may be used towards any eligible ADA purpose.

It is anticipated that the Certified Access (ADA) Fund will have approximately $16,767 in fund balance remaining on June 30, 2027.

Willows Lighting & Landscaping Fund

FY 2026-27 Willows Lighting & Landscaping Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 36,974	$ 87,205
FY 2026-27 Proposed Budget	$ 36,971	$ 68,100

Revenues anticipated to be received in the Willows Lighting & Landscaping Fund during FY 2026-27 are approximately $1,065 more than those anticipated to be collected for FY 2025-26. This increase in revenues can be attributed to funding needed from assessments to satisfy expenditure requirements outlined in the Engineers Reports prepared for the City's three districts. District expenditures exceed FY 2025-26 expenses by approximately $47,296, which are consistent with the maintenance needs in all three districts as discussed in the annual Engineer's Report.

It is anticipated that the Willows Lighting & Landscaping Fund will have approximately $1,780 in fund balance remaining on June 30, 2027, which may be used towards any applicable expenditure as discussed in the annual Engineer's Report.

Community Discretionary Fund

FY 2026-27 Community Discretionary Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 25,704	$ 12,553
FY 2026-27 Proposed Budget	$ 4,428	$ 750

The Community Discretionary Fund accounts for the receipt of defederalized CDBG loan repayment funds which may be used for any discretionary purpose. The City has historically used these funds for LAFCO, League of CA Cities dues, and memberships in economic development-related groups.

Community Discretionary Fund appropriations are anticipated to be $4,428, which accounts for expenditures for Property Tax special assessments on City-owned parcels and the annual payment to LAFCO. This year County waived LAFCO fee.

It is anticipated that $25,089 fund balance will remain in the Community Discretionary Fund at the end of FY 2026-27.

State Recycling Grant Fund

FY 2026-27 State Recycling Grant Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ -	$ -
FY 2026-27 Proposed Budget	$ -	$ -

There are no revenues or expenditures recommended in the State Recycling Grant Fund. To the extent any grant funding is received, these funds may be used towards applicable recycling expenditures.

It is anticipated that the State Recycling Grant Fund will have approximately $8,969 in fund balance remaining on June 30, 2027, which may be used towards any recycling-related purpose (e.g., equipment purchase). This fund balance has been built over multiple years from unspent portions of prior State Recycling Grant allocations.

OES Strike Team

FY 2026-27 OES Strike Team Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ -	$ -
FY 2026-27 Proposed Budget	$ 500,000	$ 360,000

It is anticipated that the OES Strike Team Fund will have approximately $140,000 in apparatus fund remaining on June 30, 2027, which may be used towards any related purpose (e.g., equipment purchase).

SPECIAL REVENUE FUNDS – CDBG / HOUSING

The City's CDBG / Housing Special Revenue Funds include the CDBG Housing and HOME Program Income funds. These funds receive grants and loan repayments related to CDBG and HOME programs. Loan repayments are typically noted as "Program Income", which may be used towards new applicable loans consistent with program guidelines or in certain cases.

CDBG Housing Fund

FY 2026-27 CDBG Housing Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 25,704	$ 25,704
FY 2026-27 Proposed Budget	$ 4,428	$ 4,428

Both revenues and expenditures are budgeted at $4,428 to account for the anticipated receipt of loan payments and subsequent transfer out to the Community Discretionary Fund, respectively. As noted in the discussion for the Community Discretionary Fund, loan repayments have trended lower in recent years, causing the funding towards discretionary activities to drop.

It is anticipated that the CDBG Housing Fund will have no fund balance remaining at the end of the fiscal year as all amounts are defederalized.

CDBG Over-the-Counter Loan Fund

FY 2026-27 CDBG Over-the-Counter Loan Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 12,500	$ 10,000
FY 2026-27 Proposed Budget	$ 12,500	$ 189,000

Revenues received in the CDBG Over-the-Counter Loan Fund are related to the complete payback of a loan provided to Rumiano Cheese Company for improvements. These funds may be used for future loans from this fund consistent with a Program Income Re-Use Plan.

Expenditures incurred in the CDBG Over-the-Counter Loan Fund are related to the ADA Door Upgrade at City Hall.

It is anticipated that the CDBG Over-the-Counter Loan Fund will have approximately $1,970,537 in fund balance as of June 30, 2027. These funds may be used to provide future loans.

SPECIAL REVENUE FUNDS – PROJECTS

The City's Project Special Revenue Funds include the Basin Street, EDA Grant, SB-2 Grant and CDBG HOME Grant funds. These funds can typically only be used for project-specific purposes.

These funds are opened to account for project-specific activity during a defined time period. As project activity winds down and projects are completed, the fund is closed out.

Proposition 68 / Parks Grant Fund

FY 2026-27 Prop 68 / Parks Grant Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ -	$ -
FY 2026-27 Proposed Budget	$ 177,000	$ 349,283

The Proposition 68/Parks Grant Fund is a new fund that accounts for one-time grant-related revenues received to perform upgrades and updates to the City's swimming pool and Sycamore Park. Funding sources for these projects include a contribution from Glenn County (CARES Act shared funding) for $200,000 and a Proposition 68 Parks grant in the amount of $177,000.

Clean California Local Grant Program

FY 2026-27 Clean California Grant Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 101,743	$ 169,017
FY 2026-27 Proposed Budget	$ 3,699,000	$ 3,699,00

Clean California Local Grant Program is a new fund that accounts for one-time grant-related revenues received to perform upgrades and updates to the City's swimming pool and Sycamore Park. The funding source for these projects is a Clean California Grant for $3,699,000.

Clean California Local Grant Program

FY 2026-27 Clean California Litter Grant Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 0	$ 0
FY 2026-27 Proposed Budget	$ 137,000	$ 137,000

Clean California Litter Grant Program is a new fund that accounts for one-time grant-related revenues is proposed state initiative by the California Department of Transportation (Caltrans) to address litter and graffiti abatement while creating employment opportunities for underserved populations. The funding source for these projects is a Clean California Litter Grant for $137,000.

USDA RDBG Grant Fund

FY 2026-27 USDA RDBG Grant Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ 44,762	$ 40,000
FY 2026-27 Proposed Budget	$ 65,000	$ 65,000

The USDA RDBG Grant Fund accounts for project activity associated with RDBG grant eligible activity. Revenues and expenditures offset each other for FY 2026-27. It is anticipated that this fund will not have any fund balance at the end of FY 2026-27.

HOME Grant Fund

FY 2026-27 HOME Grant Fund Proposed Budget:

	Revenues	Expenditures
FY 2025-26 Estimated Actuals	$ -	$ 5,000
FY 2026-27 Proposed Budget	$ -	$ 5,000

The HOME Grant Fund accounts for project activity associated with the Sycamore Street Apartments project. Both revenues and expenditure have been updated to account for fiscal activity to date. Anticipated expenditures for FY 2026-27 include loan monitoring costs related to the Sycamore Street Apartments Loan. It is anticipated that this fund will continue to account for future loan payments as they are made.

SPECIAL REVENUE FUNDS – IMPACT FEES

The City's Impact Fees Special Revenue Funds include Fire, Police, Storm Drainage, Streets, Parks, I-5 Interchange and Library Impact Fee funds. These funds may only be used for allowable expenditures consistent with parameters outlined in each fee's originating resolution consistent with AB-1600.

Revenues and expenditures for most Impact Fee funds typically do not have any revenues or expenditures budgeted at the beginning of the fiscal year due to the unpredictable nature of when actual revenues are received and no projects being budgeted.

Anticipated fund balances as of June 30, 20276, for each of the Impact Fee Funds are as follows:

- Fire Impact Fee: $ 3,149
- Police Impact Fee: $ 67,241
- Streets Development Impact Fee: $ 10,403
- Parks Facilities Impact Fee: $ 22,516
- I-5 Interchange Impact Fee: $ 4,393
- Library Development Impact Fee: $114,205

City of Willows
Fiscal Year 2026-27 Proposed Budget
Capital Outlay / Projects Reconciliation

Fund	Capital Outlay / Project	Outlay	Project
General Fund			
	Office Equipment	$ 5,000	
	Fire Equipment	17,310	
	Tyler Licensing	35,000	
Sewer Fund			
	Blower Building Improvements		$ 40,000
	WWTP Safety Impvmts		30,000
	Annual Sewer Replct Project		412,500
	WWTP Upgrades		125,000
	Chlorine Contact Chamber Improv		120,000
	Tertiary Filtration Structure Repairs		50,000
	Annual Vehicle Replacement		165,000
	WWTP SCADA and Admin Bldg Upgd		45,000
	Tyler Technologies Billing Module		17,500
Gas Tax Fund			
	Streets Maintenance		$ 166,675
RMRA / SB-1 Fund			
	Oak Street and Madrone Manor Road		$ 132,500
RSTP Program Fund			
	Oak Street and Madrone Manor Road Rehab		$ 40,000
Home Program Income			
	ADA Door Upgrade		$ 179,000
Parks Grant Fund			
	Sycamore Park & Pool Project		$ 3,699,000
CDBG 2025 Road Plans			
	Oak Street, Madrone Manor and Laurel		$ 187,871

Parks Grant Prop 68			
	Sycamore Park	$	349,283
Storm Drain Impact Fee			
	Storm Drainage	$	159,000
Street Dev Impact Fee			
	Streets Project	$	195,313
Parks Facilities Impact Fee			
	Parks Facilities Project	$	300,000
Citywide Capital Outlay / Projects Totals:		**$ 57,310**	**$ 6,413,642**
			$ 6,470,952

Note: The information presented herein presents the fund in which the capital outlay / project is fully appropriated. Several projects which have multiple funding sources accounted for as transfers in/out are listed in the fund in which they are wholly accounted for.

City of Willows
Budgeted Revenues / Expenditures / Fund Balance
Fiscal Year 2026-27

	EST. BEGINNING FUND BALANCE June 30, 2026	REVENUES	EXPENDITURES	ENDING FUND BALANCE June 30, 2027	Excess / (Deficit) of Revenues over Expenses	Capital Plan / Outlay
General Fund	$ 2,163,383	$ 7,865,446	$ 7,626,313	$ 2,402,516	$ 239,133	$ 57,310
Enterprise Funds						
318 / 321 - Sewer Enterprise	$ 2,524,192	$ 2,908,221	$ 3,007,437	$ 2,424,977	$ (99,216)	$ 1,005,000
Special Revenue Funds						
TRANSPORTATION						
316-317 / 372 Gas Tax	$ 345,908	$ 184,526	$ 284,675	$ 245,759	$ (100,149)	$ 166,675
306 / 311 - RMRA / SB-1	192,323	167,000	132,500	226,823	34,500	132,500
310 - RSTP Program	-	70,000	70,000	-	-	40,000
LIBRARY						
338 / 359 - County Library / Literacy	$ 74,844	$ 129,100	$ 129,000	$ 74,944	$ 100	$ -
341 - Zip Books	1,932	5,000	7,517	(585)	(2,517)	-
350 - Northnet Training	2,024	1,000	1,000	2,024	-	-
352 - CLSA Delivery	32,922	5,000	12,000	25,922	(7,000)	-
MISC. OPERATIONAL						
307 - Certified Access (ADA)	$ 15,247	$ 1,500	$ -	$ 16,747	$ 1,500	$ -
313/314/315 - Willows Lighting & Landscaping	32,906	36,974	68,100	1,780	(31,126)	-
330 - Community Discretionary	21,411	4,428	750	25,089	3,678	-
331 - Mall Maintenance	22,971	-	22,971	-	(22,971)	-
366 - State Recycling Grant	8,969	-	-	8,969	-	-
450 - OES Strike Team	-	500,000	360,000	140,000	140,000	-
CDBG / HOUSING						
312 - CDBG Housing	$ -	$ 4,428	$ 4,428	$ -	$ -	$ -
326 - CDBG Over-the-Counter Loan	1,970,037	12,500	189,000	1,793,537	(176,500)	179,000
347 - HOME Program Income	-	-	-	-	-	-

City of Willows
Budgeted Revenues / Expenditures / Fund Balance
Fiscal Year 2026-27

	EST. BEGINNING FUND BALANCE June 30, 2026	REVENUES	EXPENDITURES	ENDING FUND BALANCE June 30, 2027	Excess / (Deficit) of Revenues over Expenses	Capital Plan / Outlay
PROJECT						
320 - Clean California Grant	$ (166,477)	$ 3,699,000	$ 3,699,000	$ (166,477)	$ -	$ 3,699,000
322 - Clean California Litter Grant	$ -	$ 137,000	$ 137,000	$ -	$ -	$ -
332 - CDBG 2025 Road Plans and Specs	-	187,871	187,871	-	-	187,871
343 - SB-2 Grant	60,373	-	-	60,373	-	-
382 - Prop 68 Parks Grants	172,283	177,000	349,283	-	(172,283)	349,283
398 - CDBG HOME Grant	6,275	-	5,000	1,275	(5,000)	-
440 - USDA RDBG Grant	-	65,000	65,000	-	-	-
IMPACT FEES						
356 - Fire Impact Fee	$ 2,999	$ 150	$ -	$ 3,149	$ 150	$ -
358 - Police Impact Fee	65,991	1,250	-	67,241	1,250	-
360 - Storm Drainage Impact Fee	166,709	2,694	159,000	10,403	(156,306)	159,000
361 - Streets Development Impact Fee	198,491	1,215	195,313	4,393	(194,098)	195,313
362 - Parks Facilities Impact Fee	317,516	5,000	300,000	22,516	(295,000)	300,000
363 - I-5 Interchange Impact Fee	418,274	4,115	-	422,389	4,115	-
364 - Library Development Impact Fee	112,505	1,700	-	114,205	1,700	-
Total Special Revenue Funds	*$ 4,076,433*	*$ 5,403,451*	*$ 6,379,408*	*$ 3,100,476*	*$ (975,957)*	*$ 5,408,642*
Total Citywide	***$ 8,764,008***	***$ 16,177,118***	***$ 17,013,158***	***$ 7,927,968***	***$ (836,040)***	***$ 6,470,952***

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund Revenue and Expenditure Detail

REVENUES	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Taxes	$ 4,048,956	$ 4,439,531	$ 6,433,998	$ 6,437,145
Franchises	469,869	318,359	317,000	318,585
Licenses	14,647	37,517	23,000	23,000
Permits	101,708	126,067	117,500	117,500
Fines & Forfietures	4,088	4,919	2,500	2,500
Interest & Rentals	88,257	102,141	77,000	77,000
Other Government Agencies	540,502	976,398	979,045	215,314
Service Charges	464,586	443,868	442,123	482,652
Other Revenues	76,950	121,963	413,062	106,750
Transfers-In	371,485	446,068	107,971	85,000
Total Revenues	$ 6,181,048	$ 7,016,831	$ 8,913,199	$ 7,865,446
EXPENDITURES				
10 - City Council	$ 26,568	$ 31,401	$ 22,253	$ 30,221
20 - City Attorney	156,700	134,037	142,600	150,000
30 - City Manager	284,316	292,589	349,225	359,399
40 - Infromation Technology	-	-	-	156,784
45 - Human Resources	-	-	-	15,000
50 - Finance	365,439	364,870	389,118	390,574
60 - Planning	319,063	311,461	397,328	344,940
70 - General Office	351,355	526,869	976,689	661,302
80 - Civic Center	72,613	85,533	205,000	75,000
90 - Building	161,933	135,629	160,783	165,783
100 - Police	2,000,000	2,000,000	2,355,000	2,550,650
110 - Engineering	141,779	194,862	190,000	200,000
120 - Library	282,757	238,568	233,700	269,991
130 - Recreation	26,937	31,925	36,575	33,918
135 - Swimming Pool	36,951	27,848	44,568	63,024
138 - Parks & Public Works	534,688	449,215	487,498	521,997
140 - Parks Maintenance	45,811	45,037	49,700	61,000
145 - Mall Maintenance	11,417	12,440	12,500	12,500
146 - Museum Maintenance	154	6,278	5,500	11,000
150 - Fire	853,286	1,105,115	1,183,505	934,467
160 - Public Works / Streets	43,320	34,265	42,553	40,000
170 - Storm Drains:	1,440	-	-	-
00 - Non- Departmental	1,211,343	943,663	738,396	578,764
Total Expenditures	$ 6,927,870	$ 6,971,605	$ 8,022,491	$ 7,626,313
Excess / (Deficit) of Revenues over Expenditures	$ (746,822)	$ 45,226	$ 890,708	$ 239,133
Beginning Fund Balance	$ 1,974,271	$ 1,227,449	$ 1,272,675	$ 2,163,383
Ending Fund Balance	$ 1,227,449	$ 1,272,675	$ 2,163,383	$ 2,402,515
Less - Fund Balance Assigned for:				
Appratus Replacement (Fund 302)	205,000	205,000	318,057	318,057
Unassigned Fund Balance	$ 1,022,449	$ 1,067,675	$ 1,845,326	$ 2,084,458

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund Revenue Detail

Description	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Property Taxes	$ 1,169,255	$ 1,074,990	$ 1,200,000	$ 1,224,000
Property Tax in Lieu of Vehicle License Fee	777,351	823,524	839,994	856,794
Sales Taxes	1,427,722	1,412,101	1,400,004	1,421,367
Measure I Sales Tax	-	387,900	2,275,000	2,208,964
Transient Occupancy Taxes	663,002	707,559	702,000	709,020
Real Property Transfer Tax	11,626	33,457	17,000	17,000
TOTAL TAXES	**4,048,956**	**4,439,531**	**6,433,998**	**6,437,145**
Franchise - Gas & Electric	77,495	83,849	85,000	85,425
Franchise - Water	221,217	66,484	66,000	66,330
Franchise - Cable TV	31,190	25,976	26,000	26,130
Franchise - Garbage	139,967	142,050	140,000	140,700
TOTAL FRANCHISES	**469,869**	**318,359**	**317,000**	**318,585**
Business Licenses	14,647	37,517	23,000	23,000
TOTAL LICENSES	**14,647**	**37,517**	**23,000**	**23,000**
Park Permits	6,098	1,405	1,500	1,500
Encroachment Permits	41,079	42,477	36,000	36,000
Building Permits	54,531	82,185	80,000	80,000
TOTAL PERMITS	**101,708**	**126,067**	**117,500**	**117,500**
Traffic Fines	2,646	676	1,000	1,000
Other Fines	1,442	4,243	1,500	1,500
TOTAL FINES & FORFIETURES	**4,088**	**4,919**	**2,500**	**2,500**
Building Rents and Leases	54,412	91,900	67,000	67,000
Interest Earnings	33,845	10,241	10,000	10,000
Gain / Loss on Sale of Securities	-	-	-	-
TOTAL INTEREST & RENTALS	**88,257**	**102,141**	**77,000**	**77,000**
Public Safety - Proposition 172	30,334	29,983	27,073	27,537
Supplemental Law Enforcement (SLESF)	99,970	280,852	160,000	160,000
Booking Fees	-	-	-	-
Grant Funding - Fire	398,360	198,566	250,000	-
Grant Funding - Public Works	-	-	-	-
Strike Team Reimbursements - Fire	-	454,865	515,150	-
CalTrans Street Sweeping	3,936	(2,951)	17,045	18,000
COVID / ARPA Funding	-	-	-	-
MVLF Resdiual Payments	7,902	10,083	9,777	9,777
PG&E Wayfinding Grant	-	5,000	-	-
TOTAL FROM OTHER AGENCIES	**540,502**	**976,398**	**979,045**	**215,314**

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund Revenue Detail

Description	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Engineering Fees	16,718	3,935	-	-
Plan Check Fees	97,566	104,532	105,000	105,000
Planning & Zoning Fees	-	19,866	-	
Fire Department Fees	123,129	65,123	40,000	35,000
Sewer Admin Fees	176,234	217,924	265,035	302,352
Weed Abatement	31,756	7,550	6,808	6,800
DIF Administration	94	161	-	-
Dispensary Fees			3,780	12,000
Transaction Fees	4,588	6,452	4,500	4,500
Recreation Fees	12,880	18,325	17,000	17,000
Swimming Pool Fees	1,621	-	-	-
TOTAL SERVICE CHARGES	**464,586**	**443,868**	**442,123**	**482,652**
TOTAL OTHER REVENUES	**76,950**	**121,963**	**413,062**	**106,750**
TOTAL TRANSFERS IN	**371,485**	**446,068**	**107,971**	**85,000**
TOTAL GENERAL FUND	**$ 6,181,048**	**$ 7,016,831**	**$ 8,913,199**	**$ 7,865,446**

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund

Departmental Expenditure Account Detail

	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
City Council - 10				
Personnel Services	16,033	16,148	16,148	24,221
Services and Supplies	10,535	15,253	6,105	6,000
Capital Outlay	-	-	-	-
Total:	**26,568**	**31,401**	**22,253**	**30,221**
City Attorney - 20				
Personnel Services	-	-	-	-
Services and Supplies	156,700	134,037	142,600	150,000
Capital Outlay	-	-	-	-
Total:	**156,700**	**134,037**	**142,600**	**150,000**
City Manager - 30				
Personnel Services	267,905	225,554	316,910	330,599
Services and Supplies	16,411	67,035	32,315	28,800
Capital Outlay	-	-	-	-
Total:	**284,316**	**292,589**	**349,225**	**359,399**
Information Technology - 040				
Personnel Services				-
Services and Supplies				156,784
Capital Outlay				-
Total:	**-**	**-**	**-**	**156,784**
Human Resources - 045				
Personnel Services	-	-	-	-
Services and Supplies	-	-	-	15,000
Capital Outlay	-	-	-	-
Total:	**-**	**-**	**-**	**15,000**
Finance - 50				
Personnel Services	145,453	235,388	256,524	266,074
Services and Supplies	219,986	129,482	132,594	124,500
Capital Outlay	-	-	-	-
Total:	**365,439**	**364,870**	**389,118**	**390,574**

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund

Departmental Expenditure Account Detail

	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Planning - 60				
Personnel Services	132,228	169,019	199,978	209,090
Services and Supplies	186,835	142,442	197,350	135,850
Capital Outlay	-	-	-	-
Total:	**319,063**	**311,461**	**397,328**	**344,940**
Citywide / General Office - 70				
Personnel Services	121,019	132,893	299,142	284,424
Services and Supplies	230,336	393,976	462,547	376,878
Capital Outlay	-	-	215,000	-
Total:	**351,355**	**526,869**	**976,689**	**661,302**
Civic Center - 80				
Personnel Services	-	-	-	-
Services and Supplies	72,613	85,533	205,000	75,000
Capital Outlay	-	-	-	-
Total:	**72,613**	**85,533**	**205,000**	**75,000**
Building - 90				
Personnel Services	73,233	78,212	72,033	77,033
Services and Supplies	88,700	57,417	88,750	88,750
Capital Outlay	-	-	-	-
Total:	**161,933**	**135,629**	**160,783**	**165,783**
Police - 100				
Personnel Services	-	-	-	-
Services and Supplies	2,000,000	2,000,000	2,355,000	2,550,650
Capital Outlay	-	-	-	-
Total:	**2,000,000**	**2,000,000**	**2,355,000**	**2,550,650**
Engineering - 110				
Personnel Services	-	-	-	-
Services and Supplies	141,779	194,862	190,000	200,000
Capital Outlay	-	-	-	-
Total:	**141,779**	**194,862**	**190,000**	**200,000**
Library - 120				
Personnel Services	141,399	125,440	197,360	241,516
Services and Supplies	141,358	113,128	36,340	28,475
Capital Outlay	-	-	-	-
Total:	**282,757**	**238,568**	**233,700**	**269,991**

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund

Departmental Expenditure Account Detail

	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Recreation - 130				
Personnel Services	18,055	13,823	15,575	12,918
Services and Supplies	8,882	18,102	21,000	21,000
Capital Outlay	-	-	-	-
Total:	**26,937**	**31,925**	**36,575**	**33,918**
Swimming Pool - 135				
Personnel Services	17,896	10,099	12,918	16,374
Services and Supplies	19,040	17,749	31,650	46,650
Capital Outlay	15	-	-	-
Total:	**36,951**	**27,848**	**44,568**	**63,024**
Parks & Public Works - 138				
Personnel Services	466,875	403,669	394,886	426,597
Services and Supplies	67,813	45,546	92,612	95,400
Capital Outlay	-	-	-	-
Total:	**534,688**	**449,215**	**487,498**	**521,997**
Parks Maintenance - 140				
Personnel Services	-	-	-	-
Services and Supplies	45,811	45,037	49,700	61,000
Capital Outlay	-	-	-	-
Total:	**45,811**	**45,037**	**49,700**	**61,000**
Mall Maintenance - 145				
Personnel Services	-	-	-	-
Services and Supplies	11,417	12,440	12,500	12,500
Capital Outlay	-	-	-	-
Total:	**11,417**	**12,440**	**12,500**	**12,500**
Museum Maintenance - 146				
Personnel Services	-	-	-	-
Services and Supplies	154	6,278	5,500	11,000
Capital Outlay	-	-	-	-
Total:	**154**	**6,278**	**5,500**	**11,000**

City of Willows
Fiscal Year 2026-27 Proposed Budget
General Fund

Departmental Expenditure Account Detail

	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Fire - 150				
Personnel Services	524,941	786,241	887,565	613,467
Services and Supplies	328,345	318,874	295,940	321,000
Capital Outlay	-	-	-	-
Total:	**853,286**	**1,105,115**	**1,183,505**	**934,467**
Public Works / Streets - 160				
Personnel Services	-	-	-	-
Services and Supplies	43,320	34,265	42,553	40,000
Capital Outlay	-	-	-	-
Total:	**43,320**	**34,265**	**42,553**	**40,000**
Storm Drains - 170				
Personnel Services	-	-	-	-
Services and Supplies	1,440	-	-	-
Capital Outlay	-	-	-	-
Total:	**1,440**	**-**	**-**	**-**
Non-Departmental - 00				
Personnel Services	-	-	-	-
Debt Service - Pension Obligation Bonds	704,252	581,881	504,079	521,454
Debt Service - Fire Truck Lease	65,162	3,909	-	-
Debt Service - Gap Loan	174,912	174,912	87,456	-
Capital Outlay	267,017	177,769	135,142	57,310
Transfers Out	-	5,192	11,719	-
Total:	**1,211,343**	**943,663**	**738,396**	**578,764**
Total Appropriations - General Fund	**$ 6,927,870**	**$ 6,971,605**	**$ 8,022,491**	**$ 7,626,313**
Total Personnel Services:	**$ 1,925,037**	**$ 2,196,486**	**$ 2,669,039**	**$ 2,502,313**
Total Services and Supplies:	**3,791,475**	**3,831,456**	**4,400,056**	**4,545,237**
Total Capital Outlay:	**267,032**	**177,769**	**350,142**	**57,310**
Debt Service Payments:	**944,326**	**760,702**	**591,535**	**521,454**
Total Transfers Out:	**-**	**5,192**	**11,719**	**-**

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 10 - City Council - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40010 - Salaries - PT	14,893	15,000	15,000	22,500
40007 - FICA / Medicare	1,140	1,148	1,148	1,721
Total Personnel Services:	16,033	16,148	16,148	24,221
Materials & Services				
40300 - Travel & Meetings	4,602	1,355	1,000	1,000
40999 - Special Department	5,933	13,898	5,105	5,000
45000 - Telephone	-	-		
Total Material & Services:	10,535	15,253	6,105	6,000
Capital Projects				
Total Capital Projects:	-	-	-	-
Total City Council:	26,568	31,401	22,253	30,221

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 20 - City Attorney - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
	-	-	-	-
Total Personnel Services:	-	-	-	-
Materials & Services				
41300 - Prof. Services	156,700	134,037	132,600	140,000
41300 - Prof. Services - Code	-	-	10,000	10,000
41300 - Prof. Services - Spcl Prj	-	-	-	-
Total Material & Services:	156,700	134,037	142,600	150,000
Capital Projects				
Total Capital Projects:	-	-	-	-
Total City Attorney:	156,700	134,037	142,600	150,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 30 - City Manager - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries - FT	212,237	182,158	242,278	249,279
40004 - CalPERS	15,625	13,763	18,623	18,386
40006 - Health Insurance	21,303	13,046	35,063	41,280
40007 - FICA	16,318	13,971	18,546	19,253
40015 - Auto Allowance	2,422	2,616	2,400	2,400
40020 - Life Insurance	-	-	-	-
Total Personnel Services:	267,905	225,554	316,910	330,599
Materials & Services				
40300 - Travel & Meetings	7,155	4,248	5,000	5,000
40500 - Memberships & Dues	1,515	7,051	6,240	6,800
40999 - Special Department	1,470	15,883	13,575	2,500
41300 - Professional Services	4,767	34,564	7,500	9,500
41355 - Elections	-	3,970	-	5,000
45000 - Telephone	1,504	1,319	-	-
Total Material & Services:	16,411	67,035	32,315	28,800
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total City Manager:	284,316	292,589	349,225	359,399

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 40 - Information Technology - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
	$ -	-	-	-
Total Personnel Services:	$ -	-	-	-
Materials & Services				
41300 - Prof. Services				156,784
Total Material & Services:	$ -	-	-	156,784
Capital Projects				
Total Capital Projects:	$ -	-	-	-
Total City Attorney:	$ -	-	-	156,784

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 45 - Human Resources - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
	$ -	-	-	-
Total Personnel Services:	$ -	-	-	-
Materials & Services				
41300 - Prof. Services				15,000
Total Material & Services:	$ -	-	-	15,000
Capital Projects				
Total Capital Projects:	$ -	-	-	-
Total City Attorney:	$ -	-	-	15,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 50 - Finance - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries - FT	112,416	174,056	188,680	202,836
40004 - CalPERS	8,472	13,611	14,288	14,369
40006 - Health Insurance	16,309	35,681	39,752	33,352
40007 - FICA	8,256	12,040	13,804	15,517
40020 - Life Insurance	-	-		
Total Personnel Services:	145,453	235,388	256,524	266,074
Materials & Services				
40100 - Postage	107	25	91	-
40300 - Travel & Meetings	5,301	5,099	6,500	4,000
40500 - Memberships & Dues	175	150	-	500
40999 - Special Department	2,230	188	3	-
41300 - Professional Services	117,585	59,140	60,000	60,000
44000 - Contractual Services	94,588	64,880	66,000	60,000
Total Material & Services:	219,986	129,482	132,594	124,500
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Finance:	365,439	364,870	389,118	390,574

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 60 - Planning - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries - FT / PT	97,896	127,681	152,638	162,243
40004 - CalPERS	15,198	20,640	22,963	23,882
40006 - Health Insurance	12,053	10,995	11,646	10,554
40007 - FICA	7,081	9,703	12,731	12,412
Total Personnel Services:	132,228	169,019	199,978	209,090
Materials & Services				
40100 - Postage	5,797	-		
40300 - Travel & Meetings	195	60	1,000	1,000
40400 - Advertising	3,211	7,193	4,000	4,000
40999 - Special Department	122	249	850	850
41000 - Office Expense	-	61	1,500	-
41300 - Professional Services	177,458	134,311	190,000	130,000
45000 - Telephone/Communications	52	568	-	-
Total Material & Services:	186,835	142,442	197,350	135,850
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Planning:	319,063	311,461	397,328	344,940

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 70 - Citywide (General Office) - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	-	-	-	-
40004 - CalPERS - UAL Payment	-	76,895	146,808	205,000
40006 - Health Insurance	6,685	10,953	115,000	15,000
40007 - FICA/ Medicare	-	-		
40601 - Workers Compensation	114,334	45,045	36,000	63,024
40603 - Unemployment	-	-	-	-
40020 - Life Insurance	-	-	1,334	1,400
Total Personnel Services:	121,019	132,893	299,142	284,424
Materials & Services				
40100 - Postage	1,841	2,305	2,000	2,000
40400 - Advertising	1,185	1,531	2,000	2,000
40602 - Insurance (Liab / Property)	99,410	201,881	240,000	228,497
40999 - Special Department	32,201	54,987	60,000	60,000
40999 - General Administration	-	-	-	-
41000 - Office Expense	4,259	8,350	45,000	49,881
41300 - Professional Services	76,842	114,393	85,000	10,000
41354 - Community Promotion	630	-	-	-
43100 - Equipment Maintenance	2,479	4,132	3,500	3,500
43300 - Building Maintenance	838	-	47	-
44000 - Contractual Services	1,750	-	-	-
45000 - Telephone/Communications	8,901	6,397	25,000	21,000
Total Material & Services:	230,336	393,976	462,547	376,878
Capital Projects				
XXXXX - Purchase of Property	-	-	215,000	
Total Capital Projects:	-	-	215,000	-
Total Citywide (Gen Office):	351,355	526,869	976,689	661,302

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 80 - Civic Center - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40010 - Salaries PT	-	-	-	-
40007 - FICA/ Medicare	-	-	-	-
40601 - Workers Compensation	-	-	-	-
Total Personnel Services:	-	-	-	-
Materials & Services				
40999 - Special Department	4,280	2,629	3,000	3,000
43300 - Building Maintenance	30,846	18,303	20,000	20,000
44000 - Contractual Services	-	18,580	130,000	
45100 - PG&E	23,121	36,601	40,000	40,000
45101 - Water & Sewer Expense	14,366	9,420	12,000	12,000
Total Material & Services:	72,613	85,533	205,000	75,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Civic Center:	72,613	85,533	205,000	75,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 90 - Building - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	63,878	68,861	62,893	67,078
40004 - CalPERS	4,388	4,478	4,542	4,824
40006 - Health Insurance	425	-	-	-
40007 - FICA/ Medicare	4,542	4,873	4,598	5,131
40020 - Life Insurance	-	-	-	-
Total Personnel Services:	73,233	78,212	72,033	77,033
Materials & Services				
40100 - Postage	7	-	-	-
40300 - Training & Travel	2,091	325	750	750
40400 - Advertising	-	-	-	-
40500 - Dues & Memberships	383	6,400	6,500	6,500
40999 - Special Department	146	1,028	-	-
41000 - Materials and Supplies	387	592	1,500	1,500
41300 - Professional Services	85,686	49,072	80,000	80,000
Total Material & Services:	88,700	57,417	88,750	88,750
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Building:	161,933	135,629	160,783	165,783

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 100 - Police Services - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40006 - Health Insurance	-	-	-	-
40004 - CalPERS	-	-		
Total Personnel Services:	-	-	-	-
Materials & Services				
44000 - Contractual Services	2,000,000	2,000,000	2,355,000	2,550,650
Total Material & Services:	2,000,000	2,000,000	2,355,000	2,550,650
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Police Services:	2,000,000	2,000,000	2,355,000	2,550,650

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 110 - Engineering - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
	-	-	-	-
Total Personnel Services:	-	-	-	-
Materials & Services				
41300 - Professional Services	141,779	194,862	190,000	200,000
Total Material & Services:	141,779	194,862	190,000	200,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Engineering:	141,779	194,862	190,000	200,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 120 - Library - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	62,839	53,056	117,448	157,049
40010 - Salaries - PT	49,188	48,420	43,635	37,638
40004 - CalPERS	4,543	3,701	9,306	12,416
40006 - Health Insurance	16,331	12,553	14,673	19,427
40007 - FICA/ Medicare	8,498	7,710	12,298	14,985
40020 - Life Insurance	-	-	-	-
Total Personnel Services:	141,399	125,440	197,360	241,516
Materials & Services				
40100 - Postage	-	-	350	350
40300 - Training & Travel	120	-	575	575
40400 - Advertising	-	219	915	
40500 - Dues & Memberships	-	-	1,000	1,450
40602 - Insurance	-	-	-	-
40999 - Special Department	-	-	1,000	2,000
41000 - Office Expense	1,764	1,971	2,500	6,500
41002 - Print Material	18,687	3,621	20,000	10,000
43100 - Equipment Maintenance	3,165	739	1,500	1,500
44000 - Contractual Services	109,332	104,987	6,000	6,100
45000 - Telephone	1,137	1,591	2,500	
45100 - Utilities - Electric	7,153	-	-	-
Total Material & Services:	141,358	113,128	36,340	28,475
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Library:	282,757	238,568	233,700	269,991

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 130 - Recreation - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	-	-	-	-
40010 - Salaries - PT	16,772	12,841	14,468	12,000
40004 - CalPERS	-	-		
40006 - Health Insurance	-	-		
40007 - FICA/ Medicare	1,283	982	1,107	918
40601 - Workers Compensation	-	-	-	-
40020 - Life Insurance	-	-	-	-
Total Personnel Services:	18,055	13,823	15,575	12,918
Materials & Services				
40100 - Postage	-	-	-	-
40300 - Training & Travel	-	-	-	-
40500 - Dues & Memberships	-	-	3,500	3,500
40602 - Insurance	-	-	-	-
40999 - Special Department	4,504	2,475	1,500	1,500
41000 - Materials & Supplies			1,000	1,000
43100 - Equipment Maintenance	-	-	-	-
44000 - Contractual Services	4,326	15,000	15,000	15,000
45000 - Telephone	52	627	-	-
Total Material & Services:	8,882	18,102	21,000	21,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Recreation:	26,937	31,925	36,575	33,918

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 135 - Swimming Pool - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40010 - Salaries - PT	16,624	9,381	12,000	15,210
40007 - FICA/ Medicare	1,272	718	918	1,164
40601 - Workers Compensation	-	-	-	-
Total Personnel Services:	17,896	10,099	12,918	16,374
Materials & Services				
40300 - Training & Travel	-	-	-	-
40400 - Advertising	-	-	150	150
40999 - Special Department	12,595	11,369	19,500	20,000
41000 - Materials and Supplies	-	-	-	15,000
41004 - First Aid	48	-	1,000	1,000
41100 - Clothing	-	-	-	-
41300 - Professional Services	-	-	-	-
43100 - Equipment Maintenance	58	-	1,500	1,500
43300 - Building Maintenance	-	-	-	-
45000 - Telephone	784	356	500	-
45100 - PG&E	880	750	1,500	1,500
45101 - Water & Sewer Expense	4,675	5,274	7,500	7,500
Total Material & Services:	19,040	17,749	31,650	46,650
Capital Projects				
61001 - Pool Upgrades	15	-	-	-
Total Capital Projects:	15	-	-	-
Total Swimming Pool:	36,951	27,848	44,568	63,024

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 138 - Parks & Public Works FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	327,876	310,881	287,397	312,208
40002 - Overtime	16,485	14,326	15,000	15,000
40010 - Salaries - PT	3,480	-	21,000	16,200
40004 - CalPERS	34,072	28,948	27,768	29,649
40006 - Health Insurance	106,637	73,651	65,110	72,269
40007 - FICA/ Medicare	25,788	24,160	23,611	26,271
40602 - Workers Compensation	-	-	-	-
40020 - Life Insurance	-	-	-	-
40900 - Street Worker Staff Alloc.	(47,463)	(48,297)	(45,000)	(45,000)
Total Personnel Services:	466,875	403,669	394,886	426,597
Materials & Services				
40300 - Training & Travel	2,781	528	3,600	1,500
40500 - Dues & Memberships	1,099	2,027	5,000	5,000
40999 - Special Department	1,099	1,847	2,000	2,000
41000 - Materials and Supplies	2,333	2,145	5,000	3,000
41005 - First Aid	-	-	500	500
41100 - Clothing	2,156	562	5,000	5,000
41150 - Tool Allowance	-	-	2,400	2,400
41200 - Fuel	16,399	14,783	15,500	15,500
41300 - Professional Services	11,959	6,229	10,000	12,000
41500 - Small Tools	2,367	600	2,000	2,500
41550 - Personal Safety Equipment	3,424	2,288	3,500	3,500
41600 - Garage Supplies	87	583	1,500	1,500
43000 - Vehicle Maintenance	8,986	3,376	10,000	15,000
43100 - Equipment Maintenance	13,556	5,924	17,500	20,000
43105 - Equipment Rental	-	29	-	
43300 - Building Maintenance	1,567	109	6,000	3,000
43350 - Tree Maintenance	-	193	3,000	3,000
44000 - Contractual Services	-	-	-	
45101 - Water & Sewer Costs	-	4,323	112	
Total Material & Services:	67,813	45,546	92,612	95,400
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Parks & Public Works:	534,688	449,215	487,498	521,997

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 140 - Parks FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Total Personnel Services:	-	-	-	-
Materials & Services				
40999 - Special Department	11,337	5,632	5,700	15,000
41300 - Professional Services	-	780	-	-
43300 - Building Maintenance	1,324	1,936	1,500	3,500
44000 - Contract Services	-	-	-	-
45000 - Telephone	649	4,128	-	-
45100 - PG&E	21,768	21,170	25,000	25,000
45101 - Water & Sewer	10,733	11,391	17,500	17,500
Total Material & Services:	45,811	45,037	49,700	61,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Parks:	45,811	45,037	49,700	61,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 145 - Mall Maintenance FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Total Personnel Services:	-	-	-	-
Materials & Services				
40999 - Special Department	61	353		
45100 - PG&E	2,687	2,181	2,500	2,500
45101 - Water & Sewer	8,669	9,906	10,000	10,000
Total Material & Services:	11,417	12,440	12,500	12,500
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Mall Maintenance:	11,417	12,440	12,500	12,500

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 146 - Museum Maintenance FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Total Personnel Services:	-	-	-	-
Materials & Services				
43300 - Building Maintenance	154	29	500	6,000
45101 - Water & Sewer	-	6,249	5,000	5,000
Total Material & Services:	154	6,278	5,500	11,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Museum Maintenance:	154	6,278	5,500	11,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 150 - Fire FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	319,368	439,521	379,181	382,158
40002 - Overtime	31,345	150,507	264,508	25,000
40010 - Salaries - PT	9,125	12,178	32,500	20,000
40011 - Holiday Pay	4,024	-	7,973	8,172
40004 - CalPERS	43,911	47,530	57,041	61,595
40006 - Health Insurance	90,656	95,333	101,006	85,776
40007 - FICA/ Medicare	26,512	41,172	45,356	30,765
40012 - Call Back Pay	-	-	-	-
40020 - Life Insurance	-	-	-	-
Total Personnel Services:	524,941	786,241	887,565	613,467
Materials & Services				
40100 - Postage	-	511	-	-
40300 - Travel & Training	10,055	12,466	15,000	22,000
40400 - Advertising	339	396	130	
40500 - Dues & Memberships	-	-	-	
40602 - Insurance	-	-	-	
40999 - Special Department	16,070	23,889	22,500	16,500
41000 - Office Expense	3,915	3,470	5,000	2,500
41100 - Clothing	2,623	3,437	4,500	4,500
41200 - Fuel	12,773	16,413	14,000	18,000
41300 - Professional Services	501	-	2,150	
41500 - Small Tools	4,862	4,358	7,500	7,500
43000 - Vehicle Maintenance	28,508	39,287	30,000	30,000
43100 - Equipment Maintenance	5,571	3,915	9,000	9,000
43300 - Building Maintenance	5,931	11,367	10,160	12,500
44000 - Contractual Services	192,950	146,428	130,000	90,000
45000 - Telephone/Communications	6,991	6,275	2,000	2,000
45100 - PG&E	34,221	42,754	40,000	35,000
4xxx-EMS Supplies				7,500
4xxx-Weed Abatement/Code Enforcement				60,000
45101 - Water & Sewer	3,035	3,908	4,000	4,000
Total Material & Services:	328,345	318,874	295,940	321,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Fire:	853,286	1,105,115	1,183,505	934,467

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 160 - Public Works - Streets - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Total Personnel Services:	-	-	-	-
Materials & Services				
40999 - Special Department	465	221	53	
41300 - Professional Services	8,665	1,140	-	
43000 - Vehicle Mantenance	-	8,366	-	
43105 - Equipment Rental			2,500	
43300 - Building Maintenance	-	-	-	
45000 - Telephone	5,048	1,200	-	
45100 - PG&E	16,868	15,780	20,000	20,000
45101 - Water & Sewer	3,350	-	-	-
60000 - Street Maintenance	6,504	6,436	10,000	10,000
60001 - Alley Maintenance	2,420	1,122	10,000	10,000
Total Material & Services:	43,320	34,265	42,553	40,000
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Public Works / Streets:	43,320	34,265	42,553	40,000

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 170 - Storm Drains - FY 2024-25

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Total Personnel Services:	-	-	-	-
Materials & Services				
40602 - Insurance	-	-	-	-
40999 - Special Department	-	-	-	-
41300 - Professional Services	-	-	-	-
43100 - Equipment Maintenance	151	-	-	-
45100 - PG&E	1,289	-	-	-
Total Material & Services:	1,440	-	-	-
Capital Projects				
	-	-	-	-
Total Capital Projects:	-	-	-	-
Total Storm Drains:	1,440	-	-	-

City of Willows
Departmental Expenditure Budget - Proposed Budget
Department 00 - Non-Departmental / Capital - FY 2026-27

Personnel Services	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40004 - CalPERS UAAL - Miscellaneous	-	-	-	-
40004 - CalPERS UAAL - Safety	-	-	-	-
Total Personnel Services:	-	-	-	-
Materials & Services				
48000/01 - Debt Service - CalPERS Bonds	704,252	581,881	504,079	521,454
XXXX - Debt Service - Gap Loan	174,912	174,912	87,456	
XXXX - Debt Service - Fire Truck	65,162	3,909	-	
49000 - Transfers Out	-	5,192	11,719	
Total Material & Services:	944,326	765,894	603,254	521,454
Capital Projects				
43300 - HVAC Air Ducts Cleaning	48,230	-	-	-
51000 - Public Works Equipment	-	-	37,911	
51100 - Computer / Office Equipment	693	-	-	5,000
51200 - Fire Equipment	-	105,971	21,100	17,310
51200 - Fire Truck				
60020 - Infrastructure	149,993	470	46,000	
66021 - Upgrade Computer Eqpt	68,101	71,328	30,131	35,000
Total Capital Projects:	267,017	177,769	135,142	57,310
Total Non-Departmental:	1,211,343	943,663	738,396	578,764

City of Willows
Fiscal Year 2026-27 Proposed Budget
Sewer Maintenance & Construction Funds (Funds 318 / 321)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sewer Fees	1,834,713	2,605,366	2,600,000	2,900,000
Sewer Developer Impacts Fees	40,419	7,430	71	71
Sewer Connection Fees	5,000	9,211	-	8,000
Interest Income	189,880	194,951	100,000	150
Restricted Capital Proceeds (net)	-	-	-	-
Miscellaenous Income	68	-	33,550	-
Total:	2,070,080	2,816,958	2,733,621	2,908,221
Expenditures:				
Salaries & Benefits	-	-	39,842	-
Operations & Maintenance	491,904	593,339	476,034	465,666
Contract Operation - Plant Facility	789,221	640,170	700,000	700,000
Debt Service Costs	513,710	551,904	581,944	534,419
General Fund Overhead Costs	178,232	217,924	265,035	302,352
Capital Outlay	230,235	410,415	3,141,667	1,005,000
Total:	2,203,302	2,413,752	5,204,522	3,007,437
Excess (deficit) of revenues over expenditures	(133,222)	403,206	(2,470,901)	(99,216)
Beginning Fund Balance / Working Capital	4,725,109	4,591,887	4,995,093	2,524,192
Less - Working Capital Reserved for:				
Future Capital	3,419,484	3,160,840	127,498	127,498
Debt Service Reserve	543,606	543,606	543,606	543,606
Ending Fund Balance / Working Capital	628,797	1,290,647	1,853,088	1,753,873

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sycamore Street Lift Station	230,235	410,415	189,750	
Pacific Avenue Lift Station	-	-	178,250	
Lassen Street Lift Station	-	-	201,250	
Road 57 Sewer Lift Station	-	-	103,500	
Cherry St Lift Station	-	-	139,165	
Blower Building Improvements	-	-	-	40,000
WWTP - Safety Improvements	-	-	72,502	30,000
Annual Sewer Replacement Project	-	-	2,057,250	412,500
WWTP - Upgrades	-	-	-	125,000
Chlorine Contact Chamber Improvements				120,000
Tertiary Filtration Structure Repairs	-	-	-	50,000
Annual Vehicle Replacement				165,000
Tyler Utility Billing	-	-		17,500
WWTP SCADA and Admin Bldg Upgrade	-	-	200,000	45,000
Total:	230,235	410,415	3,141,667	1,005,000

City of Willows
Departmental Expenditure Budget
Fund 318 / 321 - Sewer Fund - Proposed Budget FY 2026-27

Salaries & Benefits	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
40000 - Salaries	-	-	-	-
40002 - Overtime	-	-	-	-
40010 - Salaries - PT	-	-	-	-
40004 - CalPERS - UAL	-	-	13,307	-
40006 - Health Insurance	-	-	26,535	-
40007 - FICA/ Medicare	-	-		-
40020 - Life Insurance	-	-	-	-
40900 - Overhead - General Fund	178,232	217,924	265,035	302,352
Total Personnel Services:	178,232	217,924	304,877	302,352
Operations & Maintenance				
40500 - Dues & Memberships	-	3,350		
40601 - Workers Compensation	-	-	11,205	21,008
40602 - Insurance	-	72,182	79,507	76,166
40999 - Special Department	159,687	149,663	5,000	5,000
41000 - Materials and Supplies	-	-	750	10,000
41100 - Clothing	6,585	7,726	7,500	7,500
41200 - Fuel	11,103	9,855	12,000	12,000
41300 - Professional Services	23,496	10,743	70,000	25,000
41340 - Discharge Permit	14,910	15,277	15,277	19,000

City of Willows
Departmental Expenditure Budget
Fund 318 / 321 - Sewer Fund - Proposed Budget FY 2026-27

Salaries & Benefits	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
41500 - Small Tools	-	-	-	-
43000 - Vehicle Maintenance	3,833	181	2,000	2,000
43100 - Equipment Maintenance	3,679	335	5,000	5,000
43300 - Building Maintenance	1,500	-	-	-
45100 - PG&E	263,537	319,929	275,000	300,000
45101 - Water & Sewer	3,574	4,098	4,000	4,000
Total Operations & Maintenance:	491,904	593,339	476,034	465,666
Contract Operations - Plant Facility				
44000 - Contractual Services	789,221	640,170	700,000	700,000
Total Contract Operations:	789,221	640,170	700,000	700,000
Debt Service				
48000/48001 - Principal / Int. on Debt	513,710	551,904	581,944	534,419
Total Contract Operations:	513,710	551,904	581,944	534,419

City of Willows
Departmental Expenditure Budget
Fund 318 / 321 - Sewer Fund - Proposed Budget FY 2026-27

Salaries & Benefits	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital Projects				
61002 - Sycamore Street Lift Station	230,235	410,415	189,750	
611XX - Pacific Avenue Lift Station	-	-	178,250	
611XX - Lassen St Sewer Rehab	-	-	201,250	
611XX - Road 57 Sewer Lift Station	-	-	103,500	
611XX - Cherry Street Lift Station	-	-	139,165	
611XX - Blower Building Improvements	-	-	-	40,000
611XX - WWTP Safety Impvmts	-	-	72,502	30,000
611XX - Annual Sewer Replct Project	-	-	2,057,250	412,500
611XX - WWTP Upgrades	-	-	-	125,000
611XX - Chlorine Contact Chamber Improvements				120,000
611XX - Tertiary Filtration Structure Repai	-	-	-	50,000
611XX - Annual Vehicle Replacement				165,000
66021 - Tyler Utility Billing	-	-		17,500
611XX - WWTP SCADA and Admin Bldg	-	-	200,000	45,000
Total Capital Projects:	230,235	410,415	3,141,667	1,005,000
Total Sewer Enterprise:	2,203,302	2,413,752	5,204,522	3,007,437

City of Willows
Fiscal Year 2026-27 Proposed Budget
Gas Tax Funds (Funds 372/314X/315X/316/317)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Fund 372 - CA Gax Tax Section 2103	58,200	61,094	62,052	61,264
Fund 314 - CA Gax Tax Section 2105	38,813	39,731	41,604	40,992
Fund 315 - CA Gax Tax Section 2106	22,885	24,029	24,504	23,367
Fund 316 - CA Gax Tax Section 2107	52,537	52,707	55,604	55,902
Fund 317 - CA Gax Tax Section 2107.5	2,000	2,000	2,000	2,000
Interest Income	4,407	6,284	2,000	1,000
Total:	178,842	185,845	187,764	184,526
Expenditures:				
Streets Worker Staff Allocations	45,000	45,000	45,000	45,000
Streets - Professional Services	368	-	-	
Streets Maintenance	97,710	-	10,000	10,000
Utilities - Street Lighting	50,068	50,731	60,000	63,000
Capital Projects	8,052	71,237	-	166,675
Transfers Out	-	-	-	
Total:	201,198	166,968	115,000	284,675
Excess (deficit) of revenues over expenditures	(22,356)	18,877	72,764	(100,149)
Beginning Fund Balance (All Funds)	276,623	254,267	273,144	345,908
Ending Fund Balance (All Funds)	254,267	273,144	345,908	245,759

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Oak / Madrone Project	59	-	-	166,675
Green Street Project	-	-	-	-
Pacific Avenue Project	7,993	-	-	-
Lassen Street Project	-	-	-	-
RSTP Project - Streets	-	71,237	-	-
Total:	8,052	71,237	-	166,675

City of Willows
Fiscal Year 2026-27 Proposed Budget
RMRA SB-1 TCFR Payback Funds (Funds 306/311)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Fund 306 - Trans. Cong. Relief Loan Payback	-	-	-	-
Fund 311 - RMRA SB-1 Funding	165,107	174,514	171,366	165,000
Interest Income	7,774	2,133	2,000	2,000
Total:	172,881	176,647	173,366	167,000
Expenditures:				
Streets Worker Staff Allocations	-	-	-	-
Streets - Professional Services	37,515	-	-	-
Streets Maintenance	-	-	-	-
Utilities - Street Lighting	-	-	-	-
Capital Projects	237,120	239,440	-	132,500
Transfers Out	-	-	-	-
Total:	274,635	239,440	-	132,500
Excess (deficit) of revenues over expenditures	(101,754)	(62,793)	173,366	34,500
Beginning Fund Balance (All Funds)	356,924	255,116	192,323	192,323
Ending Fund Balance (All Funds)	255,170	192,323	365,689	226,823

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Oak / Madrone Street Project	-	-	-	132,500
Capital - Pacific Avenue Project	-	-	-	-
Capital - Pavement Management Program	204,836	-	-	-
Capital - Green Street Project	-	-	-	-
Capital - Sidewalk Reconstruction	-	210,212	-	-
Capital - Streets Reconstruction / Resurfacing	32,284	29,228	-	-
Total:	237,120	239,440	-	132,500

City of Willows
Fiscal Year 2026-27 Proposed Budget
Regional Surface Transportation Program (RSTP) Funds (Fund 310)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
RSTP (County) Funding	-	-	111,871	70,000
STIP Funding	362,658	-	-	-
Transfer In	-	-	-	-
Interest Income	5,468	-	-	-
Total:	368,126	-	111,871	70,000
Expenditures:				
Streets Worker Staff Allocations	-	-	-	-
Streets - Professional Services	26,778	-	-	-
Streets Maintenance	-	-	30,000	30,000
Utilities - Street Lighting	-	-	-	-
Capital Projects	143,736	121,218	81,871	40,000
Transfers Out	-	-	-	-
Total:	170,514	121,218	111,871	70,000
Excess (deficit) of revenues over expenditures	197,612	(121,218)	-	-
Beginning Fund Balance (All Funds)	(76,394)	121,218	-	-
Ending Fund Balance (All Funds)	121,218	-	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Oak St and Madrone Manor Road Rehab	-	-	81,871	40,000
Capital - Annual Sidewalk Maintenance	-	-	-	-
Capital - Streets Resurfacing Projects	140,486	121,218	-	-
Capital - Tehama Street Apron Repair	-	-	-	-
Capital - Pacific Avenue Project	3,250	-	-	-
Capital - N. Lassen Street Rehab	-	-	-	-
Total:	143,736	121,218	81,871	40,000

City of Willows
Fiscal Year 2026-27 Proposed Budget
County Library / Literacy Pass Through Funds (Funds 338/359)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
County Library Allocation	133,717	115,665	85,000	85,000	85,000
State of CA Literacy Contribution (Fund 359)	60,438	74,844	67,360	31,500	44,000
Health Department Grant	105,000	10,000	-	-	-
Carneghie Hall Library Grant	-	-	-	10,000	-
Interest Income	1,164	3,109	-	-	-
Miscellaneous Income	-	-	-	100	100
Total:	300,319	203,618	152,360	126,600	129,100
Expenditures:					
Willows Library					
Salaries & Benefits	-	-	-	-	-
Special Department Expense	-	-	-	-	-
New Print Materials	-	-	-	-	-
Bayliss Library					
Salaries & Benefits	-	-	-	-	-
Special Department Expense	-	-	-	-	-
Telephone Expense	-	-	-	-	-
Utilities / Electricty	-	-	-	-	-
Elk Creek Library					
Salaries & Benefits	-	-	-	-	-
Special Department Expense	-	-	-	-	-
Telephone Expense	-	-	-	-	-
Rent	-	-	-	-	-
Glenn County - Literacy Pass Through (Fund 359)	-	115,168	67,360	31,500	44,000
Transfers Out to General Fund - Library	238,717	125,665	85,000	91,521	85,000
Total:	238,717	240,833	152,360	123,021	129,000
Excess (deficit) of revenues over expenditures	61,602	(37,215)	-	3,579	100
Beginning Fund Balance (All Funds)	46,878	108,480	71,265	71,265	74,844
Ending Fund Balance (All Funds)	108,480	71,265	71,265	74,844	74,944

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Other	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Zip Books State Fund (Fund 341)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Refunds	7,517	6,302	7,517	4,752	5,000
Interest Income	-	-	-	-	-
Total:	7,517	6,302	7,517	4,752	5,000
Expenditures:					
Other Expenditures	7,650	4,688	7,517	7,517	7,517
Capital Outlay	-	-	-	-	-
Total:	7,650	4,688	7,517	7,517	7,517
Excess (deficit) of revenues over expenditures	(133)	1,614	-	(2,765)	(2,517)
Beginning Fund Balance	3,216	3,083	4,697	4,697	1,932
Ending Fund Balance	3,083	4,697	4,697	1,932	(585)

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Northnet Train Fund (Fund 350)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Income - Refunds	1,500	1,000	1,000	1,200	1,000
Interest Income	-	-	-	-	-
Total:	1,500	1,000	1,000	1,200	1,000
Expenditures:					
Other Expenditures - Willows Library	-	2,449	1,000	1,000	1,000
Capital Outlay	-	-	-	-	-
Total:	-	2,449	1,000	1,000	1,000
Excess (deficit) of revenues over expenditures	1,500	(1,449)	-	200	-
Beginning Fund Balance	1,773	3,273	1,824	1,824	2,024
Ending Fund Balance	3,273	1,824	1,824	2,024	2,024

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
CLSA Delivery Fund (Fund 352)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
CLSA Delivery Funding (CALIFA / Northnet)	7,840	4,566	5,000	4,505	5,000
Imperial County Office of Education - E-Rate	-	19,047	-	-	-
Interest Income	-	-	-	-	-
Total:	7,840	23,613	5,000	4,505	5,000
Expenditures:					
Other Expenditures - Willows Library Broadband	9,393	9,369	10,000	10,000	12,000
Capital Outlay	-	-	-	-	-
Total:	9,393	9,369	10,000	10,000	12,000
Excess (deficit) of revenues over expenditures	(1,553)	14,244	(5,000)	(5,495)	(7,000)
Beginning Fund Balance	25,726	24,173	38,417	38,417	32,922
Ending Fund Balance	24,173	38,417	33,417	32,922	25,922

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Certified Access (ADA) Fund (Fund 307)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Certified Access Fees	1,469	2,111	1,500	500	1,500
Interest Income	-	-	-	-	-
Total:	1,469	2,111	1,500	500	1,500
Expenditures:					
Special Dept. Expenditures - Building Dept.	-	-	-	-	-
Other Expenditures	-	-	-	-	-
Transfers Out	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	1,469	2,111	1,500	500	1,500
Beginning Fund Balance (All Funds)	11,667	13,136	15,247	15,247	15,247
Ending Fund Balance (All Funds)	13,136	15,247	16,747	15,747	16,747

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Willows Lighting & Landscaping Fund (Fund 313/314/315)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Zone A Special Assessment Taxes	-	-	9,965	9,965	9,965
Zone B Special Assessment Taxes	-	-	1,985	1,985	1,985
Zone C Special Assessment Taxes	33,614	33,656	24,524	24,524	24,524
Interest Income	1,077	1,633	500	500	500
Total:	34,691	35,289	36,974	36,974	36,974
Expenditures:					
L&L Zone A - Expenditures	3,400	3,950	19,955	19,955	16,100
L&L Zone B - Expenditures	3,400	3,950	2,704	2,704	2,700
L&L Zone C - Expenditures	3,401	3,950	64,546	64,546	49,300
Utilities	2,148	8,103	-	-	-
Water & Sewer	-	1,333	-	-	-
Street Lighting	1,192	1,284	-	-	-
Total:	13,541	22,570	87,205	87,205	68,100
Excess (deficit) of revenues over expenditures	21,150	12,719	(50,231)	(50,231)	(31,126)
Beginning Fund Balance (All Funds)	49,268	70,418	83,137	83,137	32,906
Ending Fund Balance (All Funds)	70,418	83,137	32,906	32,906	1,780

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Streets Maintenance	-	-	-	-	-
Capital - Other	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Community Discretionary Fund (Fund 330)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Program Income - Loan Payments	-	-	-	-	-
Transfers In from CDBG/HOME Funds	4,928	4,898	5,890	25,704	4,428
Interest Income	-	-	-	-	-
Total:	4,928	4,898	5,890	25,704	4,428
Expenditures:					
Special Department Expenditures	729	567	750	750	750
Municipal Code Updates	-	-	-	-	-
Housing Element Update	-	-	-	-	-
LAFCO Expenditures	9,836	11,803	11,803	11,803	-
Membership Dues - League of CA Cities	-	-	-	-	-
Economic Development Committee	-	-	-	-	-
Three Core Economic Development Committee	-	-	-	-	-
Community Promotion (Chamber/Vol Fire/Etc.)	-	-	-	-	-
Other Expenditures	-	-	-	-	-
Total:	10,565	12,370	12,553	12,553	750
Excess (deficit) of revenues over expenditures	(5,637)	(7,472)	(6,663)	13,151	3,678
Beginning Fund Balance (All Funds)	21,369	15,732	8,260	8,260	21,411
Ending Fund Balance (All Funds)	15,732	8,260	1,597	21,411	25,089

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Other	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Mall Maintenance Fund (Fund 331)
ROLL INTO GENERAL FUND - MALL MAINTENANCE DIVISION

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Refunds	-	-	-	-	-
Interest Income	-	-	-	-	-
Total:	-	-	-	-	-
Expenditures:					
Other Expenditures	-	-	-	-	-
Transfers Out	-	-	-	22,971	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	22,971	-
Excess (deficit) of revenues over expenditures	-	-	-	(22,971)	-
Beginning Fund Balance	22,971	22,971	22,971	22,971	-
Ending Fund Balance	22,971	22,971	22,971	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
State Recycling Grant Fund (Fund 366)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
CA Recycling Grant	-	-	-	-	-
Interest Income	-	-	-	-	-
Total:	-	-	-	-	-
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	-	-	-	-	-
Beginning Fund Balance	8,969	8,969	8,969	8,969	8,969
Ending Fund Balance	8,969	8,969	8,969	8,969	8,969

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Recycling Grant Capital	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
OES Strike Team (Fund 450)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
CAL FIRE/OES					500,000
Interest Income					
Total:	-	-	-	-	500,000
Expenditures:					
Salaries & Benefits					350,000
Special Department Expense					10,000
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	360,000
Excess (deficit) of revenues over expenditures	-	-	-	-	140,000
Beginning Fund Balance					-
Ending Fund Balance	-	-	-	-	140,000

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
CDBG Housing Loans Fund (Fund 312)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Program Income - Loan Payments	4,928	4,898	5,890	25,704	4,428
Interest Income	-	-	-	-	-
Total:	4,928	4,898	5,890	25,704	4,428
Expenditures:					
Transfer Out to Fund 330 (Community Fund)	4,928	4,898	5,890	25,704	4,428
Other Expenditures	-	-	-	-	-
Total:	4,928	4,898	5,890	25,704	4,428
Excess (deficit) of revenues over expenditures	-	-	-	-	-
Beginning Fund Balance (All Funds)	-	-	-	-	-
Ending Fund Balance (All Funds)	-	-	-	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - Other	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
CDBG Over-the-Counter Loan Fund (Fund 326)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
CDBG Grant Proceeds	-	-	-	-	-
Transfers In - Loan Proceeds	-	-	-	-	-
Program Income Loan Payments	112,731	1,713,536	-	-	-
Interest Income	637	17,360	1,000	12,500	12,500
Total:	113,368	1,730,896	1,000	12,500	12,500
Expenditures:					
Professional Services	-	-	10,000	10,000	10,000
Capital - ADA Door Upgrade	-	-	-	-	-
Administrative Expenses - Loan Monitoring	3,587	810	-	-	-
Transfers Out - Loan Payback	-	-	-	-	-
Capital Outlay	-	-	179,000	-	179,000
Total:	3,587	810	189,000	10,000	189,000
Excess (deficit) of revenues over expenditures	109,781	1,730,086	(188,000)	2,500	(176,500)
Beginning Fund Balance	127,670	237,451	1,967,537	1,967,537	1,970,037
Ending Fund Balance	237,451	1,967,537	1,779,537	1,970,037	1,793,537

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Capital - ADA Door Upgrade	-	-	179,000	-	179,000
CDBG Capital Outlay	-	-	-	-	-
Total:	-	-	179,000	-	179,000

City of Willows
Fiscal Year 2026-27 Proposed Budget
HOME Program Income Fund (Fund 347)
ROLL INTO GENERAL FUND - CLOSE FUND OUT

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Program Income	-	-	-	-	-
Interest Income	-	-	-	-	-
Transfers In	-	-	-	4,469	
Total:	-	-	-	4,469	-
Expenditures:					
Other Expenditures - Loan Monitoring	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	-	-	-	4,469	-
Beginning Fund Balance	(4,469)	(4,469)	(4,469)	(4,469)	-
Ending Fund Balance	(4,469)	(4,469)	(4,469)	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Clean California Grant (Fund 320)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Clean CA Grant Funding	-	-	250,000	101,743	3,699,000
Interest Earnings	-	-	-	-	-
Total:	-	-	250,000	101,743	3,699,000
Expenditures:					
Other Expenditures	-	-	-	33,016	-
Capital Outlay	91,888	-	250,000	136,001	3,699,000
Transfers Out	-	-	-	-	-
Total:	91,888	-	250,000	169,017	3,699,000
Excess (deficit) of revenues over expenditures	(91,888)	-	-	(67,274)	-
Beginning Fund Balance (All Funds)	(7,315)	(99,203)	(99,203)	(99,203)	(166,477)
Ending Fund Balance (All Funds)	(99,203)	(99,203)	(99,203)	(166,477)	(166,477)

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sycamore Park Project	91,888	-	250,000	136,001	3,699,000
Total:	91,888	-	250,000	136,001	3,699,000

City of Willows
Fiscal Year 2026-27 Proposed Budget
Clean California Litter Grant (Fund 323)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Clean CA Grant Funding	-			-	137,000
Interest Earnings	-	-	-	-	-
Total:	-	-	-	-	137,000
Expenditures:					
Other Expenditures	-	-	-	-	137,000
Capital Outlay				-	-
Transfers Out				-	-
Total:	-	-	-	-	137,000
Excess (deficit) of revenues over expenditures	-	-	-	-	-
Beginning Fund Balance (All Funds)	-	-	-	-	-
Ending Fund Balance (All Funds)	-	-	-	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sycamore Park Project				-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
CDBG 2025 Road Plans and Specs (Fund 332)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Clean CA Grant Funding	-			30,000	187,871
Interest Earnings	-	-	-	-	-
Total:	-	-	-	30,000	187,871
Expenditures:					
Other Expenditures	-	-	-	30,000	-
Capital Outlay				-	187,871
Transfers Out				-	-
Total:	-	-	-	30,000	187,871
Excess (deficit) of revenues over expenditures	-	-	-	-	-
Beginning Fund Balance (All Funds)	-	-	-	-	-
Ending Fund Balance (All Funds)	-	-	-	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Oak/Madrone/Laurel St. Plans				-	187,871
Total:	-	-	-	-	187,871

City of Willows
Fiscal Year 2026-27 Proposed Budget
SB-2 / LEAP Grant Fund (Fund 343)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
SB-2 Planning Grant Revenue	-	-	-	-	-
Interest Income	1,102	1,249	-	-	-
Total:	1,102	1,249	-	-	-
Expenditures:					
Planning Expenditures	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	1,102	1,249	-	-	-
Beginning Fund Balance	58,022	59,124	60,373	60,373	60,373
Ending Fund Balance	59,124	60,373	60,373	60,373	60,373

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Prop 68 Parks Grant (Fund 382)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
County CARES Act Shared Funding	200,000	-	200,000	-	-
Proposition 68 Grant	-	6,514	177,000	-	177,000
Interest Earnings	-	-	-	-	-
Total:	200,000	6,514	377,000	-	177,000
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	34,231	377,000	-	349,283
Transfers Out	-	-	-	-	-
Total:	-	34,231	377,000	-	349,283
Excess (deficit) of revenues over expenditures	200,000	(27,717)	-	-	(172,283)
Beginning Fund Balance (All Funds)	-	200,000	172,283	172,283	172,283
Ending Fund Balance (All Funds)	200,000	172,283	172,283	172,283	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sycamore Park Project	-	34,231	377,000	-	349,283
Total:	-	34,231	377,000	-	349,283

City of Willows
Fiscal Year 2026-27 Proposed Budget
CDBG HOME Grant Fund (Fund 398)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
HOME Grant Proceeds	-	-	-	-	-
Transfers In	-	-	-	-	-
Interest Income	342	316	-	-	-
Total:	342	316	-	-	-
Expenditures:					
Other Expenditures - Administrative Costs	3,400	5,309	3,400	5,000	5,000
Other Expenditures - Loaned Funds	-	-	-	-	-
Transfers Out	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	3,400	5,309	3,400	5,000	5,000
Excess (deficit) of revenues over expenditures	(3,058)	(4,993)	(3,400)	(5,000)	(5,000)
Beginning Fund Balance	19,326	16,268	11,275	11,275	6,275
Ending Fund Balance	16,268	11,275	7,875	6,275	1,275

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Sycamore Street Apartments Project	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
USDA RDBG Grant (Fund 440)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
USDA Grant Revenues	2,378	-	95,000	37,512	57,750
Transfers In (General Fund Match)	-	-	7,250	7,250	7,250
Interest Income	-	-	-	-	-
Total:	2,378	-	102,250	44,762	65,000
Expenditures:					
Planning Expenditures	2,378	1,995	102,250	40,000	65,000
Capital Outlay	-	-	-	-	-
Total:	2,378	1,995	102,250	40,000	65,000
Excess (deficit) of revenues over expenditures	-	(1,995)	-	4,762	-
Beginning Fund Balance	(2,767)	(2,767)	(4,762)	(4,762)	-
Ending Fund Balance	(2,767)	(4,762)	(4,762)	-	-

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Fire Development Impact Fee Fund (Fund 356)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	395	675	-	91	100
Interest Income	23	53	-	50	50
Total:	418	728	-	141	150
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	418	728	-	141	150
Beginning Fund Balance	1,712	2,130	2,858	2,858	2,999
Ending Fund Balance	2,130	2,858	2,858	2,999	3,149

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Fire Truck Payments - Principal & Interest	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Police Development Impact Fee Fund (Fund 358)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	192	328	200	45	50
Interest Income	1,148	1,337	450	1,200	1,200
Total:	1,340	1,665	650	1,245	1,250
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	1,340	1,665	650	1,245	1,250
Beginning Fund Balance	61,741	63,081	64,746	64,746	65,991
Ending Fund Balance	63,081	64,746	65,396	65,991	67,241

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Other Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Storm Drainage Development Impact Fee Fund (Fund 360)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	836	1,427	-	194	194
Interest Income	2,894	3,380	-	2,500	2,500
Total:	3,730	4,807	-	2,694	2,694
Expenditures:					
Other Expenditures	-	-	-	-	-
Transfers Out	-	-	-	-	-
Capital Outlay	-	-	-	-	159,000
Total:	-	-	-	-	159,000
Excess (deficit) of revenues over expenditures	3,730	4,807	-	2,694	(156,306)
Beginning Fund Balance	155,478	159,208	164,015	164,015	166,709
Ending Fund Balance	159,208	164,015	164,015	166,709	10,403

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Storm Drainage Capital Projects	-	-	-	-	159,000
Total:	-	-	-	-	159,000

City of Willows
Fiscal Year 2026-27 Proposed Budget
Streets Development Impact Fee Fund (Fund 361)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	929	1,587	500	215	215
Interest Income	3,448	4,023	-	3,000	1,000
Total:	4,377	5,610	500	3,215	1,215
Expenditures:					
Other Expenditures	-	-	-	-	-
Transfer Out	-	-	-	-	-
Capital Outlay	-	-	-	-	195,313
Total:	-	-	-	-	195,313
Excess (deficit) of revenues over expenditures	4,377	5,610	500	3,215	(194,098)
Beginning Fund Balance	185,289	189,666	195,276	195,276	198,491
Ending Fund Balance	189,666	195,276	195,776	198,491	4,393

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Streets Capital Projects	-	-	-	-	195,313
Total:	-	-	-	-	195,313

City of Willows
Fiscal Year 2026-27 Proposed Budget
Parks Facilities Development Impact Fee Fund (Fund 362)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	-	-	-	-	-
Interest Income	6,254	7,253	2,400	5,000	5,000
Total:	6,254	7,253	2,400	5,000	5,000
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	25,665	12,430	12,430	300,000
Total:	-	25,665	12,430	12,430	300,000
Excess (deficit) of revenues over expenditures	6,254	(18,412)	(10,030)	(7,430)	(295,000)
Beginning Fund Balance	337,104	343,358	324,946	324,946	317,516
Ending Fund Balance	343,358	324,946	314,916	317,516	22,516

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Parks Facilities Capital Projects	-	25,665	12,430	12,430	300,000
Total:	-	25,665	12,430	12,430	300,000

City of Willows
Fiscal Year 2026-27 Proposed Budget
I-5 Interchange Development Impact Fee Fund (Fund 363)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	1,633	851	600	115	115
Interest Income	7,313	8,503	3,500	6,750	4,000
Total:	8,946	9,354	4,100	6,865	4,115
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	-	-	-	-	-
Total:	-	-	-	-	-
Excess (deficit) of revenues over expenditures	8,946	9,354	4,100	6,865	4,115
Beginning Fund Balance	393,109	402,055	411,409	411,409	418,274
Ending Fund Balance	402,055	411,409	415,509	418,274	422,389

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
I-5 Interchange Capital Projects	-	-	-	-	-
Total:	-	-	-	-	-

City of Willows
Fiscal Year 2026-27 Proposed Budget
Library Development Impact Fee Fund (Fund 364)

Revenues:	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Development Impact Fees	-	-	-	-	-
Interest Income	2,543	2,554	1,000	1,700	1,700
Total:	2,543	2,554	1,000	1,700	1,700
Expenditures:					
Other Expenditures	-	-	-	-	-
Capital Outlay	24,846	-	-	12,646	-
Total:	24,846	-	-	12,646	-
Excess (deficit) of revenues over expenditures	(22,303)	2,554	1,000	(10,946)	1,700
Beginning Fund Balance	143,200	120,897	123,451	123,451	112,505
Ending Fund Balance	120,897	123,451	124,451	112,505	114,205

Capital Expenditure Detail

Capital Expenditures	ACTUAL FY 2023-24	ESTIMATED ACTUAL FY 2024-25	ADOPTED BUDGET FY 2025-26	ESTIMATED ACTUAL FY 2025-26	PROPOSED BUDGET FY 2026-27
Library Capital Projects	24,846	-	-	12,646	-
Total:	24,846	-	-	12,646	-

City of Willows

Fiscal Year 2026-27

Proposed Budget – Changes from May 12, 2026 Preliminary Budget

Presentation to City Council

June 09, 2026

FY 2026-27 Proposed Budget
- Discussion Outline -

1. FY 2026-27 Proposed Budget – General Fund Changes from May 12, 2026, Preliminary Budget
2. FY 2026-27 General Fund Changes/Additions
3. FY 2026-27 Proposed Budget – Mid Year Items
4. General Fund Forecast
5. General Fund Balance
6. Questions & Direction

FY 2026-27 Proposed Budget
- General Fund -

	Revenues	Expenditures
FY 2026-27 Proposed General Fund Budget	**$ 7,865,446**	**$ 7,626,313**

Preliminary Budget Surplus to Reserves – $239,133

FY 2026-27 Proposed Budget
- General Fund Changes / Additions -

Proposed Expenditures (from May 12 Preliminary Budget)

- City Council Stipend - $8,073
- Planning Commissioner Stipend - $1,613
- IT MOMs standalone computer - $8,000
- Police Consultant for Mello-Roos - $125,000

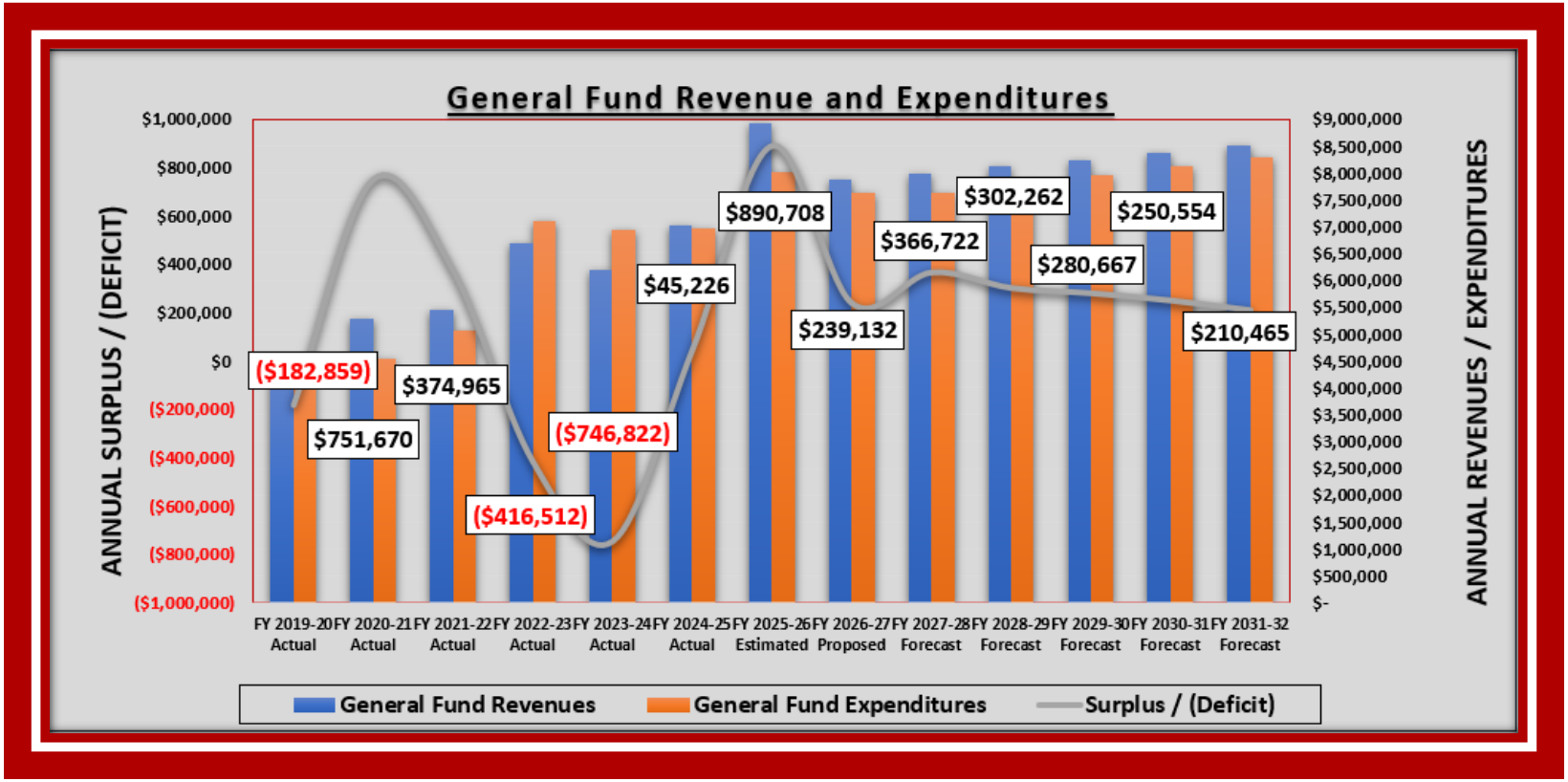
FY 2026-27 Proposed Budget
- General Fund Mid Year Items-

Mid Year Budget Items:

- Police Consulting for Facilities Cost Estimate
- Property Insurance bids if there are any cost savings

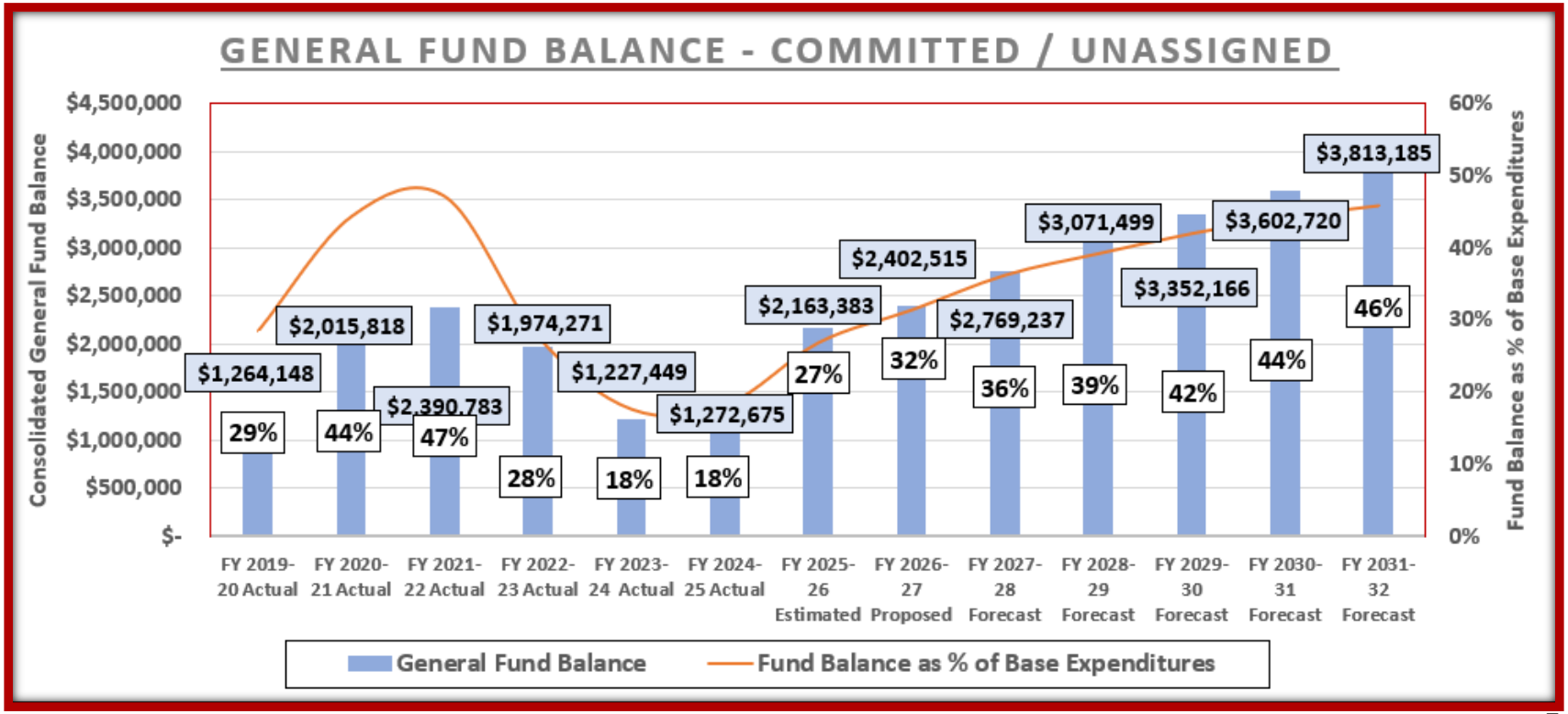
FY 2026-27 Proposed Budget
- General Fund Forecast -

General Fund – Updated Forecast



FY 2026-27 Proposed Budget
- General Fund Forecast – Fund Balance -

General Fund – Updated Fund Balances:



FY 2025-26 Preliminary Budget

- Questions / Direction -

City Council Discussion

Questions & Direction

City of Willows
Resolution XX-2026

A RESOLUTION ADOPTING THE FISCAL YEAR 2026-27 OPERATING BUDGET

WHEREAS, on June 09, 2026, the City Council held a budget workshop and reviewed the proposed Fiscal Year 2026-27 Operating Budget; and

WHEREAS, the final Fiscal Year 2026-27 Budget presentation and recommended action was presented at a City Council meeting on May 12, 2026; and

WHEREAS, the Willows City Council has reviewed and analyzed the draft budget for Fiscal Year 2026-27 with opportunity for input from City Staff and the community; and

WHEREAS, as a result of this review and evaluation the City Council has established the fiscal policy for the 2026-27 budget; and

WHEREAS, these policies are reflected in the draft Fiscal year 2026-27 Operating Budget.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Willows hereby adopts the 2026-27 annual budget in the amount of $17,012,613.

BE IT FURTHER RESOLVED that the budget as detailed is a guide to the annual revenues and expenditures, and the City Manager may exceed the expenditures from a particular line-item account when, at the City Manager's discretion, it is deemed prudent and efficient for the general operation of the City. However, in no event is the City Manager authorized to exceed the total adopted expenditures of $17,012,613 without approval of the City Council.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council of the City of Willows this 9th day of June 2026 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED:

_____
Evan Hutson, Mayor

ATTESTED:

_____
Karleen Price, City Clerk

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Nate Monck, Fire Chief
Marti Brown, City Manager

Subject: Engine 2 Lease Agreement: Community Leasing Partners

Recommendation:

Adopt Resolution XX-2026 authorizing the City Manager, or her designee, to enter into a lease agreement with Community Leasing Partners for the purchase and outfitting of a new Type 1 fire engine for a term of ten (10) years.

Rationale for Recommendation:

The total cost of purchasing and outfitting a new Type 1 fire engine is $1,404,465.37. Anticipated delivery for the apparatus is approximately 36–48 months from the date of purchase. Leasing the apparatus provides predictable annual payments that can be planned for in future fiscal years while minimizing the immediate impact to the General Fund. Additionally, timely approval of the lease agreement will allow the City to secure current apparatus pricing prior to a prospective manufacturer price increase anticipated in August 2026.

Background:

It is critical for the city and fire department to replace the current 1992 apparatus that is still in frontline service. The proposed lease agreement would facilitate the purchase and outfitting of a new Type 1 fire engine. Replacement of the aging apparatus has been a long-standing City Council goal in order to improve operational reliability, firefighter safety, and emergency response capability.

Staff recommend the lease financing option as the most fiscally conservative and operationally practical method to acquire this major capital asset while preserving financial flexibility and cashflow.

Discussion & Analysis:

Golden State Fire Apparatus offers a substantial prepayment discount to agencies that remit full payment within thirty (30) days of apparatus order. By using lease financing through Community Leasing Partners, the City will be able to take advantage of the available prepayment discount of $180,895.66 from the total apparatus purchase price.

Lease proceeds will be paid directly to Golden State Fire Apparatus on behalf of the City, allowing the apparatus to be fully purchased upfront while the City repays the financing over time.

In addition to the fire engine purchase, the lease will include critical specialized rescue equipment necessary to fully outfit the apparatus. Several existing equipment items currently in service are either beyond useful service life or do not currently exist within the department inventory. Proposed equipment purchases include:

- Extrication tools ("Jaws of Life"),
- Thermal Imaging Camera, and
- Rescue struts.

The total cost of the proposed equipment package is $76,236.24. Including these items within the lease further minimizes the immediate impact to the General Fund while ensuring the apparatus is fully operational upon delivery.

The proposed lease agreement includes:

- A two-year deferred payment structure;
- No payments due until FY 2028-29;
- Annual payments of approximately $190,358.32;
- A competitive fixed interest rate of 4.94%; and
- A ten-year repayment term.

The deferred payment structure provides the City additional time to accumulate reserve funding and secure anticipated grant reimbursements prior to the commencement of lease payments.

The City has proactively established and funded a dedicated apparatus replacement reserve account using Office of Emergency Services (OES) deployment revenues beginning in November 2025. Continued contributions to this reserve account are anticipated and will help minimize the long-term impact of lease payments on the General Fund.

Both Congressman LaMalfa's and Senator Schiff's grants are reimbursable. Grant funds will not be received until the apparatus is delivered, registered with the California Department of Motor Vehicles, and placed into service by the City of Willows.

Upon receipt of the apparatus and reimbursement funding, staff intend to submit all necessary grant documentation and apply received grant proceeds as lump-sum principal payments toward the lease balance.

If Senator Schiff's grant funding is not awarded, the City Council will have the opportunity to evaluate alternative financing strategies, including:

- Refinancing the remaining balance.
  For example, current refinancing estimates annual payments of approximately $85,000 over seven years based on an estimated remaining principal balance of $500,000.
- Adjusting annual payment schedules.
- Using available Apparatus Replacement funds.

Staff recommend using Apparatus Replacement Funds to make annual lease payments until grant reimbursements are received. Staff is confident that the reserve account will contain sufficient funding to support a minimum of three annual lease payments before depletion. Additionally, and assuming there continues to be annual Strike Team activity, the balance of the Apparatus Replacement Fund is expected to grow and increase annually.

Consistency with Council Priorities and Goals:

The proposed lease agreement is consistent with the City Council's priorities related to public safety, fiscal responsibility, and long-term capital asset management. Acquisition of a new Type 1 fire engine will replace a 1992 apparatus that has exceeded its expected service life, helping ensure reliable emergency response capabilities, firefighter safety, and continuity of fire protection services for the community.

Fiscal Impact:

Assuming all funding sources are awarded and used for the acquisition of a new Type 1, fire engine 2, the total impact to the General Fund will be approximately $26,465.37. However, as previously stated, staff anticipate that the Apparatus Replacement Fund will increase as annual Strike Team activity continues.

To recap, the anticipated funding sources to purchase a new Type 1 fire engine are as follows:

Total Cost of Engine and Outfitting:

- Total Apparatus and Equipment Cost: $1,404,465.37

Secured Funding Sources:

- Congressman LaMalfa Grant: $660,000
- Apparatus Reserve Account: ~ $318,000

Total Secured Funding:

- ~ $978,000

Estimated Net Amount Remaining after Secured Funding:

- ~ $426,465.37

Prospective Funding:

- Senator Schiff Grant: $400,000
  (Funding determination anticipated Late August/Early September 2026.)

Remaining Amount to be Financed if Schiff Grant is Awarded:

- ~ $26,465.37

Attachments:

- Attachment 1: Resolution XX-2026
- Attachment 2: Community Leasing Partners Lease Proposal
- Attachment 3: Lease agreement Sample contract

City of Willows
Resolution XX-2026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILLOWS AUTHORIZING THE CITY MANAGER, OR HER DESIGNEE, TO EXECUTE A LEASE AGREEMENT WITH COMMUNITY LEASING PARTNERS FOR THE PURCHASE AND OUTFITTING OF A NEW TYPE 1 FIRE ENGINE

WHEREAS, replacement of the aging frontline fire apparatus has been a long-standing goal of the City Council to improve firefighter safety, operational reliability, and emergency response effectiveness; and

WHEREAS, the City of Willows Fire Department currently operates a 1992 Type 1 fire engine that has reached the end of its useful service life and requires replacement in order to maintain reliable emergency response capabilities; and

WHEREAS, the City has identified Community Leasing Partners as a financing provider offering competitive municipal lease financing terms including a ten (10) year repayment term, a fixed interest rate of 4.94%, and a two-year deferred payment structure; and

WHEREAS, the proposed lease structure allows the City to secure current apparatus pricing, including a substantial manufacturer prepayment discount, while minimizing immediate impacts to the General Fund; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Willows as follows:

SECTION 1. The City Council hereby authorizes the City Manager, or her designee, to execute a lease agreement with Community Leasing Partners for the financing of the purchase and outfitting of one (1) new Type 1 fire engine and associated equipment in an amount not to exceed $1,404,465.37.

SECTION 2. The City Manager, or her designee, is further authorized to execute all documents, agreements, certificates, and related instruments necessary to carry out the intent of this Resolution and complete the financing transaction.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council of the City of Willows this 9th day of June 2026 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED: ATTESTED:

_____	_____
Evan Hutson, Mayor	Karleen Price, City Clerk

COMMUNITY LEASING PARTNERS

Phone: 888.777.7850
Fax: 888.777.7875
Cell: 785.313.3154
215 S. Seth Child Road
Manhattan, KS 66502
www.clpusa.net

A Division of Community First National Bank - Member FDIC

May 26, 2026

Customer Name: **City of Willows, CA**
Nathan Monck, Chief

Equipment: One (1) Pierce Type 1 Fire Engine, Extrication Tools, Rescue Struts and Thermal Imaging Camera
Sales Representative: Golden State Fire Apparatus
Delivery: Estimated 4 years (prepayment)

Community Leasing Partners, a Division of *Community First National Bank*, is pleased to present the following financing options for your review and consideration.

Option 1

Total Cost:	$	1,404,465.37	Payment Frequency:	Annual
Down Payment:	$	-	First Payment:	Two years from closing
Amount Financed:	**$**	**1,404,465.37**		
Term in Years:		5		
Payment:		$338,650.07		
Interest Rate:		4.84%		

Option 2

Total Cost:	$	1,404,465.37	Payment Frequency:	Annual
Down Payment:	$	-	First Payment:	Two years from closing
Amount Financed:	**$**	**1,404,465.37**		
Term in Years:		7		
Payment:		$253,393.60		
Interest Rate:		4.87%		

Option 3

Total Cost:	$	1,404,465.37	Payment Frequency:	Annual
Down Payment:	$	-	First Payment:	Two years from closing
Amount Financed:	**$**	**1,404,465.37**		
Term in Years:		10		
Payment:		$190,358.32		
Interest Rate:		4.94%		

- **THERE ARE NO DOCUMENTATION OR CLOSING FEES ASSOCIATED WITH THIS PROPOSAL.**
- Fixed interest rate for the terms provided unless otherwise stated.
- This financing is to be executed and funded within 30 days of the date of the proposal, or Lessor reserves the right to adjust the interest rate. The proposal is subject to credit review and approval of mutually acceptable documentation.
- This proposal has been prepared assuming the lessee is bank qualified and that the proposed lease qualifies for Federal Income Tax Exempt Status for the Lessor under Section 103 of the IRS Code.

Thank you for allowing Community Leasing Partners the opportunity to provide this proposal. If you have any questions regarding the options presented, need additional options, or would like to proceed with a financing, please contact me at 1-888-777-7850.

Respectively,

Blake J. Kaus
Senior Vice President & Director of Leasing
blakekaus@clpusa.net

MASTER EQUIPMENT LEASE PURCHASE AGREEMENT

LESSEE: <Legal Name of Lessee>

This Master Equipment Lease Purchase Agreement, including all exhibits and schedules hereto whether currently in existence or hereafter executed (the "Agreement"), dated as of <CommencementDate>, and entered into between Community First National Bank 215 S. Seth Child Rd, Manhattan, KS 66502 ("Lessor'), and <Legal Name of Lessee>, <Business Line 1>, <Business City>, <Business State> <Business Postal Code> a body corporate and politic duly organized and existing under the laws of the State of <State Alpha> ("Lessee");

RECITALS

WHEREAS, Lessee desires to lease from Lessor certain equipment described in the schedules to this Agreement, substantially in the form of Exhibit A hereto, that are executed from time to time by the parties hereto (such schedules are hereby incorporated herein and are hereinafter collectively referred to as the "Schedules", and the items of equipment leased to Lessee hereunder, together with all substitutions, proceeds, replacement parts, repairs, additions, attachments, accessories and replacements thereto, thereof or therefore, are hereinafter collectively referred to as the "Equipment") subject to the terms and conditions of and for the purposes set forth in this Agreement.

WHEREAS, the relationship between the parties shall be a continuing one and items of equipment may be added to or deleted from the Equipment from time to time by execution of additional Schedules by the parties hereto and as otherwise provided herein.

WHEREAS, Lessee is authorized under the constitution and laws of the State to enter into this Agreement for the purposes set forth herein.

NOW, THEREFORE, for and in consideration of the premises hereinafter contained, the parties hereby agree as follows:

ARTICLE I. REPRESENTATIONS, WARRANTIES AND COVENANTS OF LESSEE

Section 1.01. Lessee represents, covenants and warrants, for the benefit of Lessor and its assignees, as follows:

(a) Lessee is a public body, corporate and politic, duly organized and existing under the Constitution and laws of the State.

(b) Lessee will do or cause to be done all things necessary to preserve and keep in full force and affect its existence as a body corporate and politic. Lessee is a political subdivision of the State within the meaning of Section 103(a) of the Code or a constituted authority authorized to issue obligations on behalf of a state or local governmental unit within the meaning of the regulations promulgated pursuant to said Section of the Code.

(c) Lessee has full power and authority under the Constitution and laws of the State to enter into this Agreement and the transactions contemplated hereby, and to perform all of its obligations hereunder.

(d) Lessee has duly authorized the execution and delivery of this Agreement by proper action by its governing body at a meeting duly called, regularly convened and attended throughout by the requisite majority of the members thereof, or by other appropriate official approval, and all requirements have been met and procedures have occurred in order to ensure the enforceability of this Agreement.

(e) Lessee has complied or will comply with such public bidding requirements as may be applicable to this Agreement and the acquisition by Lessee of the Equipment.

(f) During the Lease Term, the Equipment will be used by Lessee only for the purpose of performing one or more essential governmental or proprietary functions of Lessee consistent with the permissible scope of Lessee's authority and will not be used in a trade or business of any person or entity other than Lessee.

(g) During the Lease Term, Lessee will annually provide Lessor with current financial statements, budgets, proof of appropriation for the ensuing fiscal year and such other financial information relating to the ability of Lessee to continue this Agreement as may be reasonably requested by Lessor.

(h) The Equipment will have a useful life in the hands of Lessee that is substantially in excess of the Original Term and all Renewal Terms.

(i) The Equipment is, and during the Lease Term will remain personal property and when subjected to use by the Lessee, will not be or become fixtures.

(j) The Equipment is essential to the function of the Lessee and the services provided to its citizens, and will be used throughout the period that this Agreement is in force for the purpose of performing one or more governmental or proprietary functions consistent with the permissible scope of its authority.

(k) During the term of this Agreement, Lessee will not dispose of or sell any part of the Equipment.

(l) Lessee has not terminated a lease, rental agreement, installment purchase contract, or any other such agreement in the past five (5) years as a result of insufficient funds being appropriated for payments due under such an agreement.

(m) This Agreement constitutes the legal, valid and binding obligation of Lessee enforceable in accordance with its terms, except to the extent limited by applicable bankruptcy, insolvency, reorganization or other laws affecting creditors' rights generally.

(n) No event or condition that constitutes, or with the giving of notice or the lapse of time or both would constitute, an Event of Default exists at the date hereof.

(o) Lessee has, in accordance with the requirements of law, fully budgeted and appropriated sufficient funds for the current fiscal year to make the Rental Payments scheduled to come due during the current fiscal year and to meet its other obligations under this Agreement for the current fiscal year, and such funds have not been expended for other purposes.

(p) There is no action, suit, proceeding, inquiry or investigation, at law or in equity, before or by any court, public board or body, pending or threatened against or affecting Lessee, nor to the best knowledge of Lessee is there any basis therefore, wherein an unfavorable decision, ruling or finding would materially adversely affect the transactions contemplated by this Agreement or any other document, agreement or certificate which is used or contemplated for use in the consummation of the transactions contemplated by this Agreement or materially adversely affect the financial condition or properties of Lessee.

(q) All authorizations, consents and approvals of governmental bodies or agencies required in connection with the execution and delivery by Lessee of this Agreement or in connection with the carrying out by Lessee of its obligations hereunder have been obtained.

(r) The entering into and performance of this Agreement or any other document or agreement contemplated hereby to which Lessee is or is to be a party will not violate any judgment, order, law or regulation applicable to Lessee or result in any breach of, or constitute a default under, or result in the creation of any lien, charge, security interest or other encumbrance on any assets of Lessee or the Equipment pursuant to any indenture, mortgage, deed of trust, bank loan or credit agreement or other instrument to which Lessee is a party or by which it or its assets may be bound, except as herein provided.

ARTICLE II. DEFINITIONS

Section 2.01. The following terms will have the meanings indicated below unless the context clearly requires otherwise:

"Agreement" means this Master Equipment Lease Purchase Agreement, including the Schedules and any other schedule, exhibit or escrow agreement made a part hereof by the parties hereto, whether currently in existence or hereafter executed, as the same may be supplemented or amended from time to time in accordance with the terms hereof.

"Code" means the Internal Revenue Code of 1986, as amended, and the United States Treasury Regulations in effect thereunder.
"Commencement Date" means, with respect to any Schedule, the date when the Lease Term of this Agreement with respect to that Schedule and Lessee's obligation to pay rent under that Schedule commence, which date will be the earlier of (i) the date of the Agreement, or (ii) the date on which sufficient moneys to purchase the Equipment are deposited for that purpose with an Escrow Agent.
"Equipment" means the property described in the Schedules and all replacements, substitutions, repairs, restorations, modifications, attachments, accessions, additions and improvements thereof or thereto. Whenever reference is made in this Agreement to Equipment listed in a Schedule, that reference shall be deemed to include all replacements, repairs, restorations, modifications and improvements of or to that Equipment.
"Event of Default" means, with respect to any Lease, an Event of Default described in Section 10.01.
“Escrow Agreement” means, with respect to a given Schedule, an escrow agreement in form and substance satisfactory to Lessor, between Lessee, Lessor and an escrow agent relating to the acquisition fund created thereunder.
"Lease" means, at any time, (i) if none of Lessor’s interest in, to and under any Schedule has been assigned pursuant to Section 9.01, or if all of Lessor’s interest in, to and under this Agreement and all Schedules have been assigned to the same assignee without any reassignment, this Agreement, or (ii) if Lessor’s interest in, to and under any Schedule or Schedules has been assigned or reassigned pursuant to Section 9.01, all Schedules that have the same Lessor and this Agreement as it relates to those Schedules and the Equipment listed therein, which shall constitute a separate single lease relating to that Equipment.
"Lease Term" means, with respect to any Lease, the Original Term and all Renewal Terms of that Lease.
"Lessee" means the entity which is described in the first paragraph of this Agreement, its successors and assigns.
"Lessor" means, with respect to each Schedule and the Lease of which that Schedule is a part, (i) if Lessor’s interest in, to and under that Schedule has not been assigned pursuant to Section 9.01, the entity described as such in the first paragraph of this Agreement or its successor, or (ii) if Lessor’s interest in, to and under that Schedule has been assigned pursuant to Section 9.01, the assignee thereof or its successor.
"Net Proceeds" means the amount remaining from the gross proceeds of any insurance claim or condemnation award after deducting all expenses (including attorneys' fees) incurred in the collection of such claim or award.
"Original Term" means, with respect to any Lease, the period from the first Commencement Date for any Schedule under that Lease until the end of the fiscal year of Lessee in effect at that Commencement Date.
"Purchase Option Price" means, with respect to the Equipment listed on any Schedule, the amount set forth in that Schedule as the Purchase Option Price for that Equipment.
"Renewal Terms" means, with respect to any Lease, the automatic renewal terms of that Lease, as provided for in Article III of this Agreement, each having a duration of one year and a term co-extensive with the Lessee's fiscal year except the last of such automatic renewal terms which shall end on the due date of the last Rental Payment set forth in the Schedule.
"Rental Payments" means the basic rental payments payable by Lessee pursuant to Section 4.02.
“State” means the state in which Lessee is located.
"Vendor" means the manufacturer of the Equipment as well as the agents or dealers of the manufacturer from whom Lessee purchased or is purchasing the Equipment.

ARTICLE III. LEASE TERM

Section 3.01. Lease of Equipment. Lessor hereby demises, leases and lets to Lessee, and Lessee rents, leases and hires from Lessor, the Equipment listed in each Schedule in accordance with this Agreement and that Schedule for the Lease Term for the Lease of which that Schedule is a part. The Lease Term for each Lease may be continued at the end of the Original Term or any Renewal Term for an additional Renewal Term; provided, however, that at the end of the Original Term and at the end of each Renewal Term, Lessee shall be deemed to have continued that Lease for the next Renewal Term unless Lessee shall have terminated that Lease pursuant to **Section 4.05** or **Section 5.04**. The terms and conditions during any Renewal Term shall be the same as the terms and conditions during the Original Term, except that the Rental Payments shall be as provided in the Schedules. Lessor hereby covenants to provide Lessee during the Lease Term with quiet use and enjoyment of the Equipment, and Lessee shall during the Lease Term peaceably and quietly have and hold and enjoy the Equipment, without suit, trouble or hindrance from Lessor, except as expressly set forth in this Agreement.
Section 3.02. Continuation of Lease Term. Lessee currently intends, subject to **Section 4.05**, to continue the Lease Term for each Lease through the Original Term and all of the Renewal Terms and to pay the Rental Payments hereunder. Lessee reasonably believes that legally available funds in an amount sufficient to make all Rental Payments during the Lease Term for each Lease can be obtained. The responsible financial officer of Lessee shall do all things lawfully within his or her power to obtain and maintain funds from which the Rental Payments may be made, including making provision for the Rental Payments to the extent necessary in each proposed annual budget submitted for approval in accordance with applicable procedures of Lessee and to exhaust all available reviews and appeals in the event such portion of the budget is not approved. Notwithstanding the foregoing, the decision whether or not to budget or appropriate funds or to extend a Lease for any Renewal Term is solely within the discretion of the then current governing body of Lessee.
Section 3.03. Return of Equipment on Termination. Upon expiration or earlier termination of any Schedule under any provision of this Agreement at a time when Lessee does not exercise its option to purchase the Equipment described in that Schedule under the provisions of this Agreement, Lessee shall deliver, at Lessee’s expense, the Equipment described in that Schedule to Lessor in the same condition as existed at the Commencement Date, ordinary wear and tear expected, packaged or otherwise prepared in a manner suitable by shipment by truck or rail common carrier at a location specified by Lessor.
Section 3.04. Conditions to Lessor's Performance under Schedules. As a prerequisite to the performance by Lessor of any of its obligations pursuant to the execution and delivery of any Schedule, Lessee shall deliver to Lessor the following:

(a) A Lessee Resolution executed by the Clerk or Secretary or other comparable officer of Lessee, in substantially the form attached hereto as Exhibit B, completed to the satisfaction of Lessor;
(b) An Opinion of Counsel to Lessee in substantially the form attached hereto as Exhibit C respecting such Schedule and otherwise satisfactory to Lessor;
(c) All documents, including financing statements, affidavits, notices and similar instruments, in form satisfactory to Lessor, which Lessor deems necessary or appropriate at that time;
(d) Such other items, if any, as are set forth in such Schedule or are reasonably required by Lessor.

This Agreement is not a commitment by Lessor to enter into any Schedule not currently in existence, and nothing in this Agreement shall be construed to impose any obligation upon Lessor to enter into any proposed Schedule, it being understood that whether Lessor enters into any proposed Schedule shall be a decision solely within Lessor's discretion.
Lessee will cooperate with Lessor in Lessor's review of any proposed Schedule. Without limiting the foregoing, Lessee will provide Lessor with any documentation or information Lessor may request in connection with Lessor's review of any proposed Schedule. Such documentation may include, without limitation, documentation concerning the Equipment and its contemplated use and location and documentation or information concerning the financial status of Lessee and other matters related to Lessee.

ARTICLE IV. RENTAL PAYMENTS

Section 4.01. Rental Payments to Constitute a Current Expense of Lessee. Lessor and Lessee understand and intend that the obligation of Lessee to pay Rental Payments hereunder shall constitute a current expense of Lessee and shall not in any way be construed to be a debt of Lessee in contravention of any applicable constitutional or statutory limitations or requirements concerning the creation of indebtedness by Lessee, nor shall anything contained herein constitute a pledge of the general tax revenues, funds or monies of Lessee.
Section 4.02. Payment of Rental Payments. Lessee shall pay Rental Payments, from any and all legally available funds, in lawful money of the United States of America, exclusively to Lessor or, in the event of assignment by Lessor, to its assignee, in the amounts and on the dates set forth in each Schedule. Rental Payments shall be in consideration for Lessee's use of the Equipment during the applicable year in which such payments are due. The

Rental Payments will be payable without notice or demand at the office of Lessor (or such other place as Lessor may from time to time designate in writing). If any Rental Payment or other sum payable under any Schedule is not paid when due, Lessee shall pay to Lessor accrued interest on such delinquent amount from the date due thereof until paid at the lesser of 18% or the maximum rate allowed by law. In the event that it is determined that any of the interest components of Rental Payments may not be excluded from gross income for purposes of federal income taxation, Lessee agrees to pay to Lessor promptly after any such determination and on the date of each Rental Payment thereafter an additional amount determined by Lessor to compensate Lessor for the loss of such excludability (including without limitation, compensation relating to interest expense, penalties or additions to tax), which determination shall be conclusive absent manifest error.

Section 4.03. Interest and Principal Components. A portion of each Rental Payment is paid as, and represents payment of, interest, and the balance of each Rental Payment is paid as, and represents payment of, principal. Each Schedule will set forth the interest component and the principal component of each Rental Payment during the Lease Term.

Section 4.04. Rental Payments to be Unconditional. The obligations of Lessee to make payment of the Rental Payments required under this Article IV and other sections hereof, and to perform and observe the covenants and agreements contained herein, shall be absolute and unconditional in all events, except as expressly provided under this Agreement. Notwithstanding any dispute between Lessee and Lessor, any Vendor or any other dispute between Lessee and Lessor, any Vendor or any other person, Lessee shall make all payments of Rental Payments when due and shall not withhold any Rental Payments pending final resolution of such dispute, nor shall Lessee assert any right of set-off or counterclaim against its obligation to make such payments required under this Agreement. Lessee's obligation to make Rental Payments during the Original Term or the then-current Renewal Term for each Schedule shall not be abated through accident or unforeseen circumstances.

Section 4.05. Non appropriation. Lessee is obligated only to pay such Rental Payments under this Agreement (and any additional amounts due hereunder, if applicable) as may lawfully be made from funds budgeted and appropriated for that purpose during Lessee's then current fiscal year. Should Lessee fail to budget, appropriate or otherwise make available funds to pay Rental Payments under a Lease following the then current Original Term or Renewal Term, that Lease shall be deemed terminated at the end of the then current Original Term or Renewal Term. Lessee agrees to deliver written notice to Lessor of such termination at least 60 days prior to the end of the then current Original Term or Renewal Term, but failure to give such written notice shall not extend the term beyond such Original Term or Renewal Term.

ARTICLE V. TITLE TO EQUIPMENT; SECURITY INTEREST; OPTION TO PURCHASE

Section 5.01. Title to the Equipment. Upon acceptance of the Equipment by Lessee, title to the Equipment and any and all additions, repairs, replacements or modifications shall vest in Lessee, subject to the rights of Lessor under this Agreement; provided that title to the Equipment that is subject to any Lease shall thereafter immediately and without any action by Lessee vest in Lessor, and Lessee shall immediately surrender possession of that Equipment to Lessor, upon (a) any termination of that Lease other than termination pursuant to Section 5.04, or (b) the occurrence of an Event of Default with respect to that Lease. It is the intent of the parties hereto that any transfer of title to Lessor pursuant to this Section shall occur automatically without the necessity of any bill of sale, certificate of title or other instrument of conveyance. Lessee shall, nevertheless, execute and deliver any such instruments as Lessor may request to evidence such transfer.

Section 5.02. Security Interest. To secure the payment of all Lessee's obligations under this Agreement, Lessee grants to Lessor a security interest constituting a first lien on (i) the Equipment and on all additions, attachments, accessions, that are considered to be an integral part of the equipment, and substitutions thereto, and on any proceeds there from, and (ii) the acquisition fund established under any Escrow Agreement entered into in connection therewith. Lessee agrees to execute such additional documents, in form satisfactory to Lessor, which Lessor deems necessary or appropriate to establish and maintain its security interest in the Equipment. Lessee hereby authorizes the filing of financing statements under the Uniform Commercial Code in connection with the security interest granted hereunder.

Section 5.03. Personal Property. Lessor and Lessee agree that the Equipment is and will remain personal property and will not be deemed to be affixed to or a part of the real estate on which it may be situated, notwithstanding that the Equipment or any part thereof may be or hereafter become in any manner physically affixed or attached to real estate or any building thereon. Upon the request of Lessor, Lessee will, at Lessee's expense, furnish a waiver of any interest in the Equipment from any party having an interest in any such real estate or building.

Section 5.04. Option to Purchase. Lessee shall have the option to purchase Lessor's interest in all (but not less than all) of the Equipment described in any Schedule, upon giving written notice to Lessor at least 60 (but not more than 180) days before the date of purchase, at the following times and upon the following terms:

(a) On the date of the last Rental Payment set forth in that Schedule (assuming this Agreement is renewed at the end of the Original Term and each Renewal Term), if the Agreement is still in effect on such day, upon payment in full to Lessor of the Rental Payments and all other amounts then due under that Schedule plus One Dollar;

(b) On the last day of the Original Term or any Renewal Term then in effect, upon payment in full to Lessor of the Rental Payments and all other amounts then due under that Schedule plus the then applicable Purchase Option Price set forth in that Schedule; or

(c) In the event of substantial damage to or destruction or condemnation of substantially all of the Equipment listed in that Schedule on the day specified in Lessee's written notice to Lessor of its exercise of the purchase option upon payment in full to Lessor of the Rental Payments and all other amounts then due under that Schedule, including, without limitation, interest accrued to the date of payment, plus the then applicable Purchase Option Price set forth in that Schedule.

ARTICLE VI. DELIVERY, MAINTENANCE; MODIFICATION; TAXES; INSURANCE AND OTHER CHARGES

Section 6.01. Delivery, Installation and Acceptance of Equipment. Lessee shall order the Equipment, cause the Equipment to be delivered and installed at the locations specified in the Schedules and pay any and all delivery and installation costs in connection therewith. When the Equipment listed in any Schedule has been delivered and installed, Lessee shall immediately accept such Equipment and evidence said acceptance by executing and delivering to Lessor an Acceptance Certificate in the form attached hereto as Exhibit D.

Section 6.02. Location; Inspection. Once installed, no item of the Equipment will be moved from the location specified for it in the Schedule on which that item is listed without Lessor's consent, which consent shall not be unreasonably withheld. Lessor shall have the right at all reasonable times during regular business hours to enter into and upon the property of Lessee for the purpose of inspecting the Equipment.

Section 6.03. Maintenance of Equipment by Lessee. Lessee agrees that at all times during the Lease Term Lessee will, at Lessee's own cost and expense, maintain, preserve and keep the Equipment in good repair, working order and condition, and that Lessee will from time to time make or cause to be made all necessary and proper repairs, replacements and renewals. Lessor shall have no responsibility in any of these matters, or for the making of improvements or additions to the Equipment. Lessee shall not make material modifications to the Equipment without the prior consent of Lessor.

Section 6.04. Liens, Taxes, Other Governmental Charges and Utility Charges. Lessee shall keep the Equipment free of all liens, charges and encumbrances except those created by this Agreement. The parties to this Agreement contemplate that the Equipment will be used for a governmental or proprietary purpose of Lessee and, therefore, that the Equipment will be exempt from all taxes presently assessed and levied with respect to personal property. In the event that the use, possession or acquisition of the Equipment is found to be subject to taxation in any form (except for income taxes of Lessor), Lessee will pay, as the same respectively come due, all taxes and governmental charges of any kind whatsoever that may at any time be lawfully assessed or levied against or with respect to the Equipment and any equipment or other property acquired by Lessee in substitution for, as a renewal or replacement of, or a modification, improvement or addition to the Equipment, as well as all gas, water, steam, electricity, heat, power, telephone, utility and other charges incurred in the operation, maintenance, use, occupancy and upkeep of the Equipment; provided that, with respect to any governmental charges that may lawfully be paid in installments over a period of years, Lessee shall be obligated to pay only such installments as have accrued during the Lease Term. Lessee will take no action that will cause the interest portion of any Rental payment to become includable in gross income of the recipient for purposes of federal income taxation under the Code, and Lessee will take, and will cause its officers, employees and agents to take, all affirmative action legally within its power to prevent such interest from being includable in gross income for purposes of federal income taxation under the Code. Lessee acknowledges that Lessor's yield with respect to this Agreement is dependent upon the interest component of each Rental Payment being

excluded from Lessor's income pursuant to the Code.

Section 6.05. Provisions Regarding Insurance. At its own expense, Lessee shall maintain (a) casualty insurance insuring the Equipment against loss or damage by fire and all other risks covered by the standard extended coverage endorsement then in use in the State, and any other risks reasonably required by Lessor, in an amount at least equal to the replacement cost of the Equipment, (b) liability insurance that protects Lessor from liability in all events in form and amount satisfactory to Lessor and (c) workers' compensation coverage as required by the laws of the State; provided that, with Lessor's prior written consent, Lessee may self-insure against the risks described in clauses (a) and (b); provided further that, if Lessor provides such consent Lessee shall provide to Lessor information with respect to such self-insurance program as Lessor may request from time to time. All insurance proceeds from casualty losses shall be payable as hereinafter provided. Lessee shall furnish to Lessor certificates evidencing such coverage throughout the Lease Term. All such casualty and liability insurance shall be with insurers that are acceptable to Lessor, shall name Lessor as a loss payee and an additional insured, respectively, and shall contain a provision to the effect that such insurance shall not be canceled or modified materially without first giving written notice thereof to Lessor at least 30 days in advance of such cancellation or modification. All such casualty insurance shall contain a provision making any losses payable to Lessee and Lessor as their respective interests may appear.

Section 6.06. Advances. In the event Lessee shall fail to maintain the full insurance coverage required by this Agreement or shall fail to keep the Equipment in good repair and operating condition, Lessor may (but shall be under no obligation to) purchase the required insurance and pay the premiums on the same or may make such repairs or replacements as are necessary and provide for payment thereof; and all amounts so advanced therefore by Lessor shall constitute additional rent for the then-current Original Term or Renewal Term, and Lessee covenants and agrees to pay such amounts so advanced by Lessor with interest thereon from the date advanced until paid at the rate of 18% per annum or the maximum interest rate permitted by law, whichever is less.

ARTICLE VII. DAMAGE, DESTRUCTION AND CONDEMNATION: USE OF NET PROCEEDS

Section 7.01. Risk of Loss. Lessee is responsible for the entire risk of loss of or damage or destruction to the Equipment. No such loss, damage or destruction shall relieve Lessee of any obligation under this Agreement or any Lease.

Section 7.02. Damage, Destruction and Condemnation. If (a) the Equipment listed on any Schedule or any portion thereof is destroyed, in whole or in part, or is damaged by fire or other casualty or (b) title to, or the temporary use of, the Equipment or any part thereof shall be taken under the exercise of the power of eminent domain by any governmental body or by any person, firm or corporation acting pursuant to governmental authority, Lessee and Lessor will cause the Net Proceeds of any insurance claim or condemnation award to be applied to the prompt replacement, repair, restoration, modification or improvement of that Equipment, unless Lessee shall have exercised its option to purchase that Equipment pursuant to Section 5.04. Any balance of the Net Proceeds remaining after such work has been completed shall be paid to Lessee.

Section 7.03. Insufficiency of Net Proceeds. If the Net Proceeds are insufficient to pay in full the cost of any replacement, repair, restoration, modification or improvement referred to in Section 7.02, Lessee shall either complete such replacement, repair, restoration, modification or improvement and pay any costs thereof in excess of the amount of the Net Proceeds, unless Lessee, pursuant to Section 5.04, purchases Lessor's interest in the Equipment destroyed, damaged or taken and any other Equipment listed in the same Schedule. The amount of the Net Proceeds, if any, remaining after completing such repair, restoration, modification or improvement or after purchasing Lessor's interest in the Equipment shall be retained by Lessee. If Lessee shall make any payments pursuant to this Section, Lessee shall not be entitled to any reimbursement therefore from Lessor nor shall Lessee be entitled to any diminution of the amounts payable under Article IV.

ARTICLE VIII. DISCLAIMER OF WARRANTIES; VENDOR'S WARRANTIES; USE OF THE EQUIPMENT

Section 8.01. Disclaimer of Warranties. LESSEE HAS SELECTED THE EQUIPMENT AND THE VENDORS. LESSOR MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, AS TO THE VALUE, DESIGN, CONDITION, MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE OR FITNESS FOR USE OF THE EQUIPMENT, OR WARRANTY OR REPRESENTATION WITH RESPECT THERETO. In no event shall Lessor be liable for an incidental, indirect, special or consequential damage in connection with or arising out of this Agreement or the existence, furnishing, functioning or Lessee's use of any item or products or service provided for in this Agreement.

Section 8.02. Vendor's Warranties. Lessor hereby irrevocably appoints Lessee its agent and attorney-in-fact during the Lease Term, so long as Lessee shall not be in default hereunder, to assert from time to time whatever claims and rights, including warranties of the Equipment, which Lessor may have against the Vendor of the Equipment. Lessee's sole remedy for the breach of such warranty, indemnification or representation shall be against the Vendor of the Equipment, and not against Lessor, nor shall such matter have any effect, whatsoever on the rights and obligations of Lessor with respect to this Agreement, including the right to receive full and timely payments hereunder. Lessee expressly acknowledges that Lessor makes, and has made no representation or warranties whatsoever as to the existence or availability of such warranties of the Vendor of the Equipment.

Section 8.03. Use of the Equipment. Lessee will not install, use, operate or maintain the Equipment improperly, carelessly, in violation of any applicable law or in a manner contrary to that contemplated by this Agreement. Lessee shall provide all permits and licenses, if any, necessary for the installation and operation of the Equipment. In addition, Lessee agrees to comply in all respects (including, without limitation, with respect to the use, maintenance and operation of each item of the Equipment) with all laws of the jurisdictions in which its operations involving any item of Equipment may extend and any legislative, executive, administrative or judicial body exercising any power or jurisdiction over the items of the Equipment; provided, however, that Lessee may contest in good faith the validity or application of any such law or rule in any reasonable manner which does not, in the opinion of Lessor, adversely affect the title of Lessor in and to any of the items of the Equipment or its interest or rights under this Agreement.

Section 8.04. Essential Nature of the Equipment. Lessee confirms and affirms that the Equipment is essential to the function of Lessee and the services provided to its citizens, that there is an immediate need for the Equipment which is not temporary or expected to diminish in the foreseeable future, and that Lessee will use substantially all the Equipment for the purpose of performing one or more governmental or proprietary functions consistent with the permissible scope of its authority.

ARTICLE IX. ASSIGNMENT, SUBLEASING, INDEMNIFICATION, MORTGAGING AND SELLING

Section 9.01. Assignment by Lessor. Lessor's interest in, to, and under this Agreement; any Lease and the Equipment may be assigned and reassigned in whole or in part to one or more assignees by Lessor at any time subsequent to its execution. Lessee hereby agrees to maintain a written record of each such assignment in form necessary to comply with Section 149(a) of the Code. No such assignment shall be binding on Lessee until it has received written notice from Lessor of the assignment disclosing the name and address of the assignee. Lessee agrees to execute all documents, including chattel mortgages or financing statements that may be reasonably requested by Lessor or any assignee to protect its interests in the Equipment and in this Agreement. Lessee shall not have the right to and shall not assert against any assignee any claim, counterclaim, defense, set-off or other right Lessee may from time to time have against Lessor.

Section 9.02. Assignment and Subleasing by Lessee. None of Lessee's interest in, to and under this Agreement and in the Equipment may be sold, assigned, subleased, pledged or otherwise encumbered by Lessee without the prior written consent of Lessor.

Section 9.03. Release and Indemnification Covenants. To the extent permitted by law, Lessee shall indemnify, protect, hold harmless, save and keep harmless Lessor from and against any and all liabilities, obligations, losses, claims and damages whatsoever, regardless of cause thereof, and all expenses in connection therewith (including, without limitation, counsel fees and expenses, penalties connected therewith imposed on interest received) arising out of or as (a) result of the entering into of this Agreement, (b) the ownership of any item of the Equipment, (c) the manufacture, ordering, acquisition, use, operation, condition, purchase, delivery, rejection, storage or return of any item of the Equipment, (d) or any accident in connection with the operation, use, condition, possession, storage or return of any item of the Equipment resulting in damage to property or injury to or death to any person, and/or (e) the breach of any covenant herein or any material misrepresentation contained herein. The indemnification arising under this paragraph shall continue in full force and effect notwithstanding the full payment of all obligations under this Agreement or the termination of the Lease Term for any reason.

ARTICLE X. EVENTS OF DEFAULT AND REMEDIES

Section 10.01. Events of Default Defined. Subject to the provisions of **Section 4.05**, any of the following events shall constitute an "Event of Default" under any Lease:

(a) Failure by Lessee to pay any Rental Payment or other payment required to be paid under that Lease at the time specified in that Lease;

(b) Failure by Lessee to observe and perform any covenant, condition or agreement on its part to be observed or performed under that Lease, other than as referred to in subparagraph (a) above, for a period of 30 days after written notice specifying such failure and requesting that it be remedied is given to Lessee by Lessor, unless Lessor shall agree in writing to an extension of such time prior to its expiration; provided that, if the failure stated in the notice cannot be corrected within the applicable period, Lessor will not unreasonably withhold its consent to an extension of such time if corrective action is instituted by Lessee within the applicable period and diligently pursued until the default is corrected;

(c) Any statement, representation or warranty made by Lessee in or pursuant to that Lease or its execution, delivery or performance shall prove to have been false, incorrect, misleading or breached in any material respect on the date when made;

(d) Any provision of that Lease shall at any time for any reason cease to be valid and binding on Lessee, or shall be declared to be null and void, or the validity or enforceability thereof shall be contested by Lessee or any governmental agency or authority if the loss of such provision would materially adversely affect the rights or security of Lessor, or Lessee shall deny that it has any further liability or obligation under that Lease.

(e) Lessee shall (i) apply for or consent to the appointment of a receiver, trustee, custodian or liquidator of Lessee, or of all or a substantial part of the assets of Lessee, (ii) be unable, fail or admit in writing its inability generally to pay its debts as they become due, (iii) make a general assignment for the benefit of creditors, (iv) have an order for relief entered against it under applicable federal bankruptcy law, or (v) file a voluntary petition in bankruptcy or a petition or an answer seeking reorganization or an arrangement with creditors or taking advantage of any insolvency law or any answer admitting the material allegations of a petition filed against Lessee in any bankruptcy, reorganization or insolvency proceeding; or

(f) An order, judgment or decree shall be entered by any court of competent jurisdiction, approving a petition or appointing a receiver, trustee, custodian or liquidator of Lessee or of all or a substantial part of the assets of Lessee, in each case without its application, approval or consent, and such order, judgment or decree shall continue unstayed and in effect for any period of 30 consecutive days.

Section 10.02. Remedies on Default. Whenever any Event of Default under any Lease exists, Lessor shall have the right, at its sole option without any further demand or notice, to take one or any combination of the following remedial steps:

(a) By written notice to Lessee, declare all Rental Payments and other amounts payable by Lessee under that Lease to the end of the then current Original Term or Renewal Term to be due;

(b) With or without terminating that Lease, Lessor may, upon 5 days written notice to Lessee, enter the premises where any Equipment that is subject to that Lease is located and retake possession of that Equipment or require Lessee at Lessee's expense to promptly return any or all of the Equipment to the possession of Lessor at such place within the United States as Lessor shall specify, and sell or lease the Equipment or, for the account of Lessee, sublease the Equipment, continuing to hold Lessee liable for the difference between (i) the Rental Payments and other amounts payable by Lessee under that Lease plus the then-applicable Purchase Option Price for that Equipment and (ii) the net proceeds of any such sale, leasing or subleasing (after deducting all expenses of Lessor in exercising its remedies under this Agreement, including without limitation all expenses of taking possession, storing, reconditioning and selling or leasing the Equipment and all brokerage, auctioneers' and attorneys' fees) provided that the amount of Lessee's liability under this subparagraph (b) shall not exceed the Rental Payments and other amounts otherwise due under that Lease plus the remaining Rental Payments and other amounts payable by Lessee under that Lease to the end of the then current Original Term or Renewal Term; and

(c) Lessor may take whatever action at law or in equity may appear necessary or desirable to enforce its rights under that Lease or as the owner of any or all of the Equipment that is subject to that Lease.

In addition, whenever an Event of Default exists with respect to any Rental Payment required by a particular Schedule or with respect to any other payment, covenant, condition, agreement, statement, representation or warranty set forth in that Schedule or applicable to that Schedule or the Equipment listed therein, Lessor shall have the right, at its sole option without any further demand or notice, to take one or any combination of the following remedial steps:

(d) By written notice to Lessee, Lessor may declare all Rental Payments payable by Lessee pursuant to that Schedule and other amounts payable by Lessee under this Agreement to the end of the then current Original Term or Renewal Term to be due;

(e) With or without terminating that Schedule, Lessor may, upon 5 days written notice to Lessee, enter the premises where the Equipment listed in that Schedule is located and retake possession of that Equipment or require Lessee at Lessee's expense to promptly return any or all of that Equipment to the possession of Lessor at such place within the United States as Lessor shall specify, and sell or lease that Equipment or, for the account of Lessee, sublease that Equipment, continuing to hold Lessee liable for the difference between (i) the Rental Payments payable by Lessee pursuant to that Schedule and other amounts related to that Schedule or the Equipment listed therein that are payable by Lessee hereunder plus the then applicable Purchase Option Price for that Equipment, and (ii) the net proceeds of any such sale, leasing or subleasing (after deducting all expenses of Lessor in exercising its remedies under this Agreement, including without limitation all expenses of taking possession, storing, reconditioning and selling or leasing such Equipment and all brokerage, auctioneers' and attorneys' fees) provided that the amount of Lessee's liability under this subparagraph (e) shall not exceed the Rental Payments and other amounts otherwise due under that Schedule plus the remaining Rental Payments and other amounts payable by Lessee under that Schedule to the end of the then current Original Term or Renewal Term; and

(f) Lessor may take whatever action at law or in equity may appear necessary or desirable to enforce its rights under that Schedule, this Agreement with respect to that Schedule and the Equipment listed therein.

In addition to the remedies specified above, Lessor may charge interest on all amounts due to it at the rate of 10% per annum or the maximum amount permitted by law, whichever is less. The exercise of any such remedies respecting any such Event of Default shall not relieve Lessee of any other liabilities under any other Schedules, this Agreement related to any other Schedule or the Equipment listed therein.

Section 10.03. No Remedy Exclusive. No remedy conferred upon or reserved to Lessor by this Article is intended to be exclusive and every such remedy shall be cumulative and shall be in addition to every other remedy given under this lease. No delay or omission to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver thereof but any such right and power may be exercised from time to time and as often as may be deemed expedient by Lessor or its assignee.

Section 10.04. Agreement to Pay Attorneys' Fees and Expenses. If Lessee should default under any of the provisions hereof and Lessor should employ attorneys or incur other expenses for the collection of moneys or for the enforcement of performance or observance of any obligation or agreement on the part of Lessee contained in this Agreement, Lessee agrees, to the extent it is permitted by law to do so, that it will, if assessed by a court of competent jurisdiction, pay to Lessor the reasonable fees of those attorneys and other reasonable expenses so incurred by Lessor.

Section 10.05. Application of Moneys. Any net proceeds from the exercise of any remedy hereunder (after deducting all expenses of Lessor in exercising such remedies including without limitation all expenses of taking possession, storing, reconditioning and selling or leasing Equipment and all brokerage, auctioneer's or attorney's fees) shall be applied as follows:

(a) If such remedy is exercised solely with respect to a single Schedule, Equipment listed in that Schedule or rights under the Agreement related to that Schedule, then to amounts due pursuant to that Schedule and other amounts related to that Schedule or that Equipment.

(b) If such remedy is exercised with respect to more than one Schedule, Equipment listed in more than one Schedule or rights under the Agreement related to more than one Schedule, then to amounts due pursuant to those Schedules pro rata.

ARTICLE XI. MISCELLANEOUS

Section 11.01. Notices. All notices, certificates or other communications hereunder shall be sufficiently given and shall be deemed given when delivered or mailed by registered mail, postage prepaid, to the parties at their respective places of business.

Section 11.02. Binding Effect; Entire Agreement; Amendments and Modifications. This Agreement shall inure to the benefit of and shall be binding upon Lessor and Lessee and their respective successors and assigns. The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever except by written instrument signed by the Lessor and the Lessee; nor shall any such amendment that affects the rights of Lessor's assignee be effective without such assignee's consent. In the event any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

Section 11.03. Applicable Law. This Agreement shall be governed by and construed in accordance with the laws of the State.

Section 11.04. Severability. In the event any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

Section 11.05. Amendments, Changes and Modifications. This Agreement may be amended, added to, changed or modified by written agreement duly executed by Lessor and Lessee.

Section 11.06. Execution in Counterparts; Chattel Paper. This Agreement, including in writing each Schedule, may be executed in several counterparts, each of which shall be an original and all of which shall constitute but one and the same instrument; except (1) to the extent that various Schedules and this Agreement as it relates thereto constitutes separate Leases as provided in this Agreement and (2) that Lessor's interest in, to and under any Schedule and the Agreement as it relates to that Schedule, and the Equipment listed in that Schedule may be sold or pledged only by delivering possession of the original counterpart of that Schedule marked "Counterpart No. 1," which Counterpart No. 1 shall constitute chattel paper for purposes of the Uniform Commercial Code.

Section 11.07. Usury. The parties hereto agree that the charges in this Agreement and any Lease shall not be a violation of usury or other law. Any such excess charge shall be applied in such order as to conform this Agreement and such Lease to such applicable law.

Section 11.08. Jury Trial Waiver. To the extent permitted by law, lessee agrees to waive its right to a trial by jury.

Section 11.09. Facsimile Documentation. Lessee agrees that a facsimile copy of this Agreement or any Lease with facsimile signatures may be treated as an original and will be admissible as evidence of this Agreement or such Lease.

Section 11.10. Captions. The captions or headings in this Agreement are for convenience only and in no way define, limit or describe the scope or intent of any provisions or sections of this Agreement.

Lessor and Lessee have caused this Agreement to be executed in their names by their duly authorized representatives listed below.

Lease No. <Lease Number>

LESSEE:	**LESSOR:**
<Legal Name of Lessee>	Community First National Bank
<Signer 1>, <Signer 1 Title>	Blake Kaus, VP

EXHIBIT A

SCHEDULE OF EQUIPMENT NO. <Equipment Schedule No>, Dated <Equipment Schedule Date>

Counterpart No. 1,

LESSOR'S INTEREST IN, TO AND UNDER THIS SCHEDULE AND THE AGREEMENT AS IT RELATES TO THIS SCHEDULE MAY BE SOLD OR PLEDGED ONLY BY DELIVERING POSSESSION OF COUNTERPART NO. 1 OF THIS SCHEDULE, WHICH COUNTERPART NO. 1 SHALL CONSTITUTE CHATTEL PAPER FOR PURPOSES OF THE UNIFORM COMMERCIAL CODE.

Re: Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

1. **Defined Terms.** All terms used herein have the meanings ascribed to them in the above referenced Master Equipment Lease Purchase Agreement (the "Master Equipment Lease").
2. **Equipment.** The Equipment included under this Schedule of Equipment is comprised of the items described in the Equipment Description attached hereto as **Attachment 1**, together with all replacements, substitutions, repairs, restorations, modifications, attachments, accessions, additions and improvements thereof or thereto.
3. **Payment Schedule.** The Rental Payments and Purchase Option Prices under this Schedule of Equipment are set forth in the Payment Schedule attached as **Attachment 2** hereto.
4. **Representations, Warranties and Covenants.** Lessee hereby represents, warrants, and covenants that its representations, warranties and covenants set forth in the Agreement are true and correct as though made on the date of commencement of Rental Payments on this Schedule.
5. **The Master Equipment Lease.** This Schedule is hereby made as part of the Master Equipment Lease and Lessor and Lessee hereby ratify and confirm the Master Equipment Lease. The terms and provisions of the Master Equipment Lease (other than to the extent that they relate solely to other Schedules or Equipment listed on other Schedules) are hereby incorporated by reference and made a part hereof.

Lease Number: <Lease Number>

LESSEE:	**LESSOR:**
<Legal Name of Lessee>	Community First National Bank
<Signer 1>, <Signer 1 Title>	Blake Kaus, VP

ATTACHMENT 1
EQUIPMENT DESCRIPTION

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

Lease Number: <Lease Number>

<Equipment>

Serial numbers provided on Attachment 1.1 upon delivery

With a total acquisition cost of <Acquisition Cost>; together with all additions, accessions and replacements thereto. Lessee hereby certifies the description of the personal property set forth above constitutes an accurate description of the "Equipment", as defined in the attached Master Equipment Lease Purchase Agreement and the Equipment is located on the premise of the Lessee unless otherwise noted by the Lessee.

Physical location where equipment will be stored after delivery: _____

LESSEE:
<Legal Name of Lessee>

_____
<Signer 1>, <Signer 1 Title>

ATTACHMENT 2
PAYMENT SCHEDULE

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

Lease Number: <Lease Number>

MONTHLY PAYMENTS NEED ACH / ADVANCE PAYMENT VERBIAGE "DUE AT CLOSING"

LESSEE:
<Legal Name of Lessee>

<Signer 1>, <Signer 1 Title>

EXHIBIT B

LESSEE RESOLUTION

Re: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

I, the undersigned, the duly appointed, qualified and acting **<Signer 3 Title>** of the above captioned Lessee do hereby certify this date _____, as follows:

(1) Lessee did, at a meeting of the governing body of the Lessee held on _____, by motion duly made, seconded and carried, in accordance with all requirements of law, approve and authorize the execution and delivery of the above referenced Schedule of Equipment No. <Equipment Schedule No> (the "Schedule") on its behalf by the following named representative of the Lessee, to witness:

_____

Authorized Signer: <Signer 1>, <Signer 1 Title>

(2) The above named representative of the Lessee held at the time of such authorization and holds at the present time the office set forth above.
(3) The meeting of the governing body of the Lessee at which the Schedule was approved and authorized to be executed was duly called, regularly convened and attended throughout by the requisite majority of the members thereof or by other appropriate official approval and that the action approving the Schedule and authorizing the execution thereof has not been altered or rescinded.
(4) No event or condition that constitutes, or with the giving of notice or the lapse of time or both would constitute, an Event of Default (as such term is defined in the above referenced Master Equipment Lease Purchase Agreement) exists at the date hereof.
(5) All insurance required in accordance with the above referenced Master Equipment Lease Purchase Agreement is currently maintained by the Lessee.
(6) Lessee has, in accordance with the requirements of law, fully budgeted and appropriated sufficient funds for the current budget year to make the Rental Payments scheduled to come due during the Original Term and to meet its other obligations for the Original Term (as such terms are defined in the above referenced Master Equipment Lease Purchase Agreement) and such funds have not been expended for other purposes.
(7) The fiscal year of Lessee is from _____ to _____.

The signatures below from the designated individuals from the Governing Body of the Lessee evidence the adoption by the Governing Body of this resolution.

<Legal Name of Lessee>

Attested By:_____
<Signer 2>, <Signer 2 Title>

Certified By:_____
<Signer 3>, <Signer 3 Title>

EXHIBIT C

OPINION OF LESSEE'S COUNSEL

(Must be re-Printed onto attorney's letterhead)

(Date)

Community First National Bank
215 S. Seth Child Road
Manhattan, KS 66502

Re: Lessee: <Legal Name of Lessee>

Ladies and Gentlemen:

As legal counsel to <Legal Name of Lessee> (the "Lessee"), I have examined (a) an executed counterpart of a certain Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, and Exhibits thereto by and between Community First National Bank (the "Lessor") and Lessee, Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, and a certain Escrow Agreement dated as of <CommencementDate>, (collectively, the "Agreement") by and between Lessor and Lessee, which, among other things, provides for the lease with option to purchase by the Lessee of certain property listed in the Schedule (the "Equipment"); (b) an executed counterpart of the ordinances or resolutions of Lessee which, among other things, authorizes Lessee to execute the Agreement and (c) such other opinions, documents and matters of law as I have deemed necessary in connection with the following opinions.

Based on the foregoing, I am of the following opinions:

(1) Lessee's true and correct name is <Legal Name of Lessee>.
(2) Lessee is a public body corporate and politic, duly organized and existing under the laws of the State, and has a substantial amount of the following sovereign powers: (a) the power to tax, (b) the power of eminent domain, and (c) police power;
(3) Lessee has the requisite power and authority to lease the Equipment with an option to purchase and to execute and deliver the Agreement and to perform its obligations under the Agreement;
(4) The Agreement and the other documents either attached thereto or required therein have been duly authorized, approved and executed by and on behalf of Lessee and the Agreement and other documents either attached thereto or required therein are the valid and binding obligations of Lessee enforceable in accordance with their terms;
(5) The authorization, approval and execution of the Agreement and all other proceedings of Lessee relating to the transactions contemplated thereby have been performed in accordance with all open meeting laws, public bidding laws and all other applicable state or federal laws; and
(6) There is no proceeding pending or threatened in any court or before any governmental authority or arbitration board or tribunal that, if adversely determined, would adversely affect the transactions contemplated by the Agreement or the security interest of Lessor or its assigns, as the case may be, in the Equipment.
(7) The signatures of the officers which appear on the Agreement are true and genuine; I know said officers and know them to hold the offices set forth below their names.
(8) No further approval, consent or withholding of objection is required from any federal, state or local governmental authority with respect to the entering into or performance by the Lessee of the Lease and the transaction contemplated thereby.
(9) The Equipment leased pursuant to the Agreement constitutes personal property and when subjected to use by Lessee will not be or become fixtures under applicable law.
(10) The Lessee is a political subdivision within the meaning of Section 103 of the Internal Revenue Code of 1986 as amended and the related regulations and rulings.
(11) The leasing of the Equipment pursuant to the Agreement is exempt from all sales and use taxes against either the Lessor or the Lessee during the term of the Lease pursuant to the Agreement and the Equipment will be exempt from all state and local personal property or other ad valorem taxes.

All capitalized terms herein shall have the same meanings as in the foregoing Agreement unless otherwise provided herein. Lessor, its successors and assigns, and any counsel rendering an opinion on the tax-exempt status of the interest components of the Rental Payments are entitled to rely on this opinion.

Signature of Legal Counsel

EXHIBIT D

ACCEPTANCE CERTIFICATE

Community First National Bank
215 S. Seth Child Road
Manhattan, KS 66502

Ladies and Gentlemen,

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

In accordance with the Master Equipment Lease Purchase Agreement (the "Agreement"), the undersigned Lessee hereby certifies and represents to, and agrees with Lessor as follows:

(1) All of the Equipment (as such term is defined in the Agreement) listed in the above referenced Schedule of Equipment (the "Schedule") has been delivered, installed and accepted on the date hereof.
(2) Lessee has conducted such inspection and/or testing of the Equipment listed in the Schedule as it deems necessary and appropriate and hereby acknowledges that it accepts the Equipment for all purposes.
(3) Lessee is currently maintaining the insurance coverage required by **Section 6.05** of the Agreement.
(4) No event or condition that constitutes, or with notice or lapse of time, or both, would constitute, an Event of Default (as defined in the Agreement) exists at the date hereof.
(5) Lessee has appropriated and/or taken other lawful actions necessary to provide moneys sufficient to pay all Rental Payments required to be paid under the Agreement during the current Budget Year of Lessee, and such moneys will be applied in payment of all Rental Payments due and payable during such current Budget Year.
(6) The governing body of Lessee has approved the authorization, execution and delivery of this Agreement on its behalf by the authorized representative of Lessee who signed the Agreement.
(7) The Lessee will in a timely fashion submit the appropriate paperwork to the State to have a title to the Equipment issued in their name as owner and Lessor listed as first lienholder. Such verification of perfected ownership and security interest will be provided to Lessor no later than 90 days from delivery of the Equipment.

LESSEE:
<Legal Name of Lessee>

_____
<Signer 1>, <Signer 1 Title>

_____
Date

**If delivery is not immediate, keep until final delivery.*

TITLE REGISTRATION & SECURITY INTEREST CERTIFICATION

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

Lease Number: <Lease Number>

<Equipment>

In accordance with the Agreement, the undersigned Lessee hereby certifies and represents to, and agrees with Lessor as follows:

1. The Agreement requires the completion of the ownership transfer and perfection of the lienholder process. This process is completed through submission of the documents to the State for a title to be issued in the name of the Lessee.

2. The Lessee will in a timely fashion submit the appropriate paperwork to the State to have a title to the Equipment issued in their name as owner and Lessor listed as first lienholder. Such verification of perfected ownership and security interest will be provided to Lessor no later than 90 days from delivery of the Equipment.

LESSEE:
<Legal Name of Lessee>

_____
<Signer 1>, <Signer 1 Title>

BANK QUALIFIED CERTIFICATE

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

Whereas, Lessee hereby represents it is a "Bank Qualified" Issuer for the calendar year in which the above referenced Schedule is executed by making the following designations with respect to Section 265 of the Internal Revenue Code. (A "Bank Qualified Issuer" is an issuer that issues less than $10,000,000 dollars of tax-exempt obligations during the calendar year).

Now, therefor, Lessee hereby designates the above referenced Schedule as follows:

1. **Designation as Qualified Tax-Exempt Obligation.** Pursuant to Section 265(b)(3)(B)(i) of the Internal Revenue Code of 1986 as amended (the "Code"), the Lessee hereby specifically designates the above referenced Schedule as a "qualified tax-exempt obligation" for purposes of Section 265(b)(3) of the Code. In compliance with Section 265(b)(3)(D) of the Code, the Lessee hereby represents that the Lessee will not designate more than $10,000,000 of obligations issued by the Lessee in the calendar year during which the above referenced Schedule is executed and delivered as such "qualified tax-exempt obligations".

2. **Issuance Limitation.** In compliance with the requirements of Section 265(b)(3)(C) of the Code, the Lessee hereby represents that the Lessee (including all subordinate entities of the Lessee within the meaning of Section 265(b)(3)(E) of the Code) reasonably anticipates not to issue in the calendar year during which the above referenced Schedule is executed and delivered, obligations bearing interest exempt from federal income taxation under Section 103 of the Code (other than "private activity bonds" as defined in Section 141 of the Code) in an amount greater than $10,000,000.

LESSEE:
<Legal Name of Lessee>

_____
<Signer 1>, <Signer 1 Title>

INSURANCE COVERAGE REQUIREMENTS

Lessee: <Legal Name of Lessee>

Please mark one of the following:

( ) Pursuant to Section 6.05 of the Agreement, you have agreed to provide us evidence of insurance covering the property in the Agreement. A Certificate of Insurance naming all insured parties and coverage must be provided to us as soon as possible, but no later than the date on which delivery of equipment occurs.

( ) Pursuant to Section 6.05 of the Agreement, we are self-insured for all risk, physical damage, and public liability and will provide proof of such self-insurance in letter form, together with a copy of the statute authorizing this form of insurance. Coverage must be provided to us as soon as possible, but no later than the date on which delivery of equipment occurs.

Equipment to be insured: **<Equipment> VIN#: <VIN1>**

Policy should be issued and mailed to: Community First National Bank and/or Its Assigns
215 S. Seth Child Road
Manhattan, KS 66502

INSURANCE REQUIREMENTS:

1. LIABILITY

- ✓ *$1,000,000.00 Aggregate Bodily Injury*
- ✓ *$1,000,000.00 Combined Single Limit per Occurrence*
- ✓ *Community First National Bank and/or Its Assigns MUST be listed as **Additional Insured**.*

2. PHYSICAL DAMAGE

- ✓ *All risk coverage to guarantee proceeds sufficient to cover the replacement cost of the equipment.*
- ✓ *Community First National Bank and/or Its Assigns MUST be listed as **Loss Payee**.*

3. ENDORSEMENT

- ✓ *Lessor will receive at least thirty (30) days written notice from Insurer prior to alteration, cancellation or reduction of insurance coverage.*

4. VERBIAGE TO INCLUDE IN DESCRIPTION

- ✓ *<Equipment> VIN# <VIN1> as outlined on Lease# <Lease Number>*
- ✓ *Replacement Value (GRC, ACV, etc.)*
- ✓ *Comprehensive and Collision Deductibles*

THE CERTIFICATE SHOULD BE
EMAILED TO <MY:Lessee Email> OR FAXED TO: 888.777.7875

Insurance Company Name:		
Agents Name:		
Address:		
City:	State:	Zip:
Phone:	Email:	

LESSEE:
<Legal Name of Lessee>

<Signer 1>, <Signer 1 Title>

INVOICE INSTRUCTIONS

RE: Schedule of Equipment No. <Equipment Schedule No>, dated <Equipment Schedule Date>, to Master Equipment Lease Purchase Agreement, dated as of <CommencementDate>, between Community First National Bank, as Lessor, and <Legal Name of Lessee>, as Lessee.

Lease Number: <Lease Number>

Equipment Description: <Equipment>

Please provide contact information for billing and invoicing purposes.

Person/Department: _____

P.O. Box/Street: _____

City, State, Zip: _____

Telephone Number: _____

Email Address: _____

Date: June 9, 2026

To: Honorable Mayor and Councilmembers

From: Nathan Monck, Fire Chief
Marti Brown, City Manager

Subject: Engine 2 Purchase Contract: Golden State Fire Apparatus

Recommendation:

Adopt Resolution XX-2026, authorizing the City Manager, or her designee, to execute a contract with Golden State Fire Apparatus to purchase a new Pierce Enforcer PUC Type 1 Fire Engine in the amount of $1,328,229.13.

Rationale for Recommendation:

The new Type 1 PUC Fire Engine will replace the existing 1992 Type 1 apparatus known as “Engine 2,” which is in poor condition, at the end of its useful life, increasingly unreliable, and no longer adequately meets the operational needs of the City of Willows. Replacement of Engine 2 has been a long-standing City Council objective and will significantly improve operational capacity, firefighter safety, and emergency response capabilities throughout the community.

Background:

In November 2021, staff identified the need to replace Engine 2. Recognizing the fiscal challenges associated with replacing a major capital asset, staff explored potential funding opportunities and pursued multiple grant applications to fund its replacement. Those efforts ultimately resulted in the award of $660,000 in USDA Community Facilities funding through a congressionally directed spending allocation secured by the late Congressman Doug LaMalfa in May 2025.

In June 2025, the Willows Fire Department established an apparatus committee for the purpose of developing specifications and evaluating replacement apparatus options. The committee reviewed multiple designs and proposals from several manufacturers, including HiTech, HME Ahrens-Fox, Rosenbauer, and Pierce Manufacturing. Following extensive evaluation of operational capabilities, safety features, maintenance considerations, and long-term serviceability, the committee selected the Pierce Enforcer 189" Pump Under Cab (PUC) platform.

The proposed apparatus was competitively procured through the Sourcewell Cooperative Purchasing Program, which satisfies public procurement requirements through a nationally solicited and awarded contract process. Using the Sourcewell contract, the City may obtain competitive pricing while

reducing administrative costs and procurement timelines associated with a separate formal bid process.

Discussion & Analysis:

When designing the new Type 1 Engine, the apparatus committee evaluated the current and future operational needs of the department, anticipated service demands, staffing levels, emergency response requirements, maintenance considerations, and firefighter safety features. These evaluations ultimately led to the selection of the Pierce PUC design.

Due to its ability to maximize storage capacity while maintaining a compact apparatus footprint, the Pierce PUC is a patented apparatus design that is widely used by departments operating with limited staffing resources. The proposed Pierce Enforcer PUC includes several significant operational and safety enhancements, including:

- 510 HP PACCAR MX Engine,
- Allison 6-Speed Automatic Transmission,
- Oshkosh TAK-4 Independent Front Suspension,
- Air Ride Dump Valves to lower working height during extended operations,
- Cab Air Filtration System designed to reduce firefighter exposure to carcinogens,
- Rear Camera and Passenger-Side Camera Systems,
- Temperature-Controlled EMS Equipment Compartment,
- 2,000 GPM Single-Stage Midship Pump,
- 750-Gallon Water Tank Capacity,
- Pump-and-Roll Capability,
- Remote-Controlled Electric Deck Gun, and
- 25-Gallon Foam Reservoir.

These features represent substantial improvements over the current apparatus. Engine 2 has a significantly smaller pump, lacks pump-and-roll capability, does not have integrated camera systems, does not carry firefighting foam, lacks a deck gun, and provides substantially less storage capacity for emergency equipment.

An additional factor supporting the Pierce PUC selection is the increased equipment storage capacity made possible by the PUC configuration. Because the pump house is located beneath the cab rather than within traditional side compartments, additional cabinet space is available for equipment storage. This is particularly important for the Willows Fire Department due to its staffing model. Unlike larger departments that dispatch multiple specialized apparatus simultaneously, the first-arriving Willows engine must carry the tools necessary to begin mitigation of a wide range of emergency incidents, including structure fires, vehicle extrications, rescue operations, hazardous conditions, and emergency medical services support.

The proposed design package was reviewed by the City Mechanic, who approved the specifications and apparatus configuration. The City Mechanic has completed extensive Pierce maintenance training and is familiar with Pierce apparatus systems, maintenance requirements, and repair procedures.

Pierce Manufacturing also advised staff that a prospective two percent (2%) manufacturer price increase is anticipated in August 2026. Approval of the purchase agreement at this time will allow the City to secure current pricing and avoid additional project costs associated with the anticipated increase.

Replacement of the City's existing 1992 Engine 2 addresses a critical public safety need by improving operational reliability, firefighter safety, emergency response effectiveness, and service delivery to the community. The new apparatus provides expanded capabilities, increased equipment capacity, and modern safety features that better align with the current and future operational needs of the Willows Fire Department.

The acquisition of this apparatus represents a long-term investment in maintaining reliable emergency services and ensuring the City's emergency response resources remain capable of meeting community needs for decades to come.

Consistency with Council Priorities and Goals:

The proposed purchase of a new Type 1 PUC Fire Engine supports the City Council's priorities related to public safety, fiscal responsibility, and long-term capital infrastructure planning.

This purchase also reflects the City's commitment to responsible financial stewardship by leveraging secured grant funding, dedicated apparatus reserve funds, and strategic financing options to minimize impacts on the General Fund while investing in essential public safety infrastructure.

Fiscal Impact:

The total cost to purchase and outfit the apparatus is $1,404,465.37. This amount includes the purchase of the Type 1 Fire Engine from Golden State Fire Apparatus for $1,328,229.13 and $76,236.24 of associated equipment including extrication tools, rescue struts, and a thermal imaging camera.

The apparatus purchase price of $1,328,229.13 reflects the substantial prepayment discount offered by the manufacturer and secured through the City's financing strategy.

The City currently has approximately $978,000 in secured funding available toward this purchase, consisting of:

- USDA Community Facilities Grant (Congressman LaMalfa): $660,000
- Apparatus Reserve Account: ~ $318,000

Staff also applied for an additional $400,000 congressionally directed spending award through Senator Adam Schiff's office and is optimistic a funding determination will be made in late August or early September 2026.

The remaining balance would be financed through a municipal lease agreement. If the prospective Senator Schiff funding is not awarded, staff will return to the City Council for direction and evaluation of alternative financing strategies, including:

- Refinancing the remaining balance:
  For example, current refinancing estimates reflect annual payments of approximately $85,000 over seven (7) years based on an estimated remaining principal balance of $500,000;

- Adjusting annual payment schedules; or
- Using available funds from the Apparatus Replacement Fund.

Staff recommend using the Apparatus Replacement Fund to make annual lease payments until grant reimbursements are received. Staff is also confident that the reserve account will provide sufficient funding to support a minimum of three annual lease payments before its depleted.

Attachments:

- Attachment 1: Resolution XX-2026
- Attachment 2: Pierce Purchase Order

City of Willows
Resolution xx-2026

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILLOWS AUTHORIZING THE PURCHASE OF A NEW PIERCE ENFORCER PUC TYPE 1 FIRE ENGINE AND AUTHORIZING THE CITY MANAGER TO EXECUTE CONTRACT PROPOSAL 50505-26

WHEREAS, the City of Willows Fire Department has identified the need to replace its existing 1992 Type 1 Fire Engine, commonly known as "Engine 2," due to age, reliability concerns, increasing maintenance costs, and the apparatus having exceeded its useful service life; and

WHEREAS, the Willows Fire Department established an apparatus committee to evaluate operational needs, apparatus designs, safety features, and long-term maintenance considerations; and

WHEREAS, after reviewing multiple apparatus manufacturers and designs, the apparatus committee selected the Pierce Enforcer PUC Type 1 Fire Engine as the apparatus best suited to meet the current and future needs of the City of Willows; and

WHEREAS, the proposed apparatus was competitively procured through the Sourcewell Cooperative Purchasing Program; and

WHEREAS, Golden State Fire Apparatus has submitted Contract Proposal 50505-26 for the purchase of a Pierce Enforcer PUC Type 1 Fire Engine in the amount of $1,328,229.13; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Willows as follows:

1. The City Council hereby approves the purchase of one (1) Pierce Enforcer PUC Type 1 Fire Engine from Golden State Fire Apparatus pursuant to Contract Proposal 50505-26 in the amount of $1,328,229.13.
2. The City Manager, or her designee, is authorized to execute Contract Proposal 50505-26 and any related documents necessary to complete the purchase.
3. The City Manager, or her designee, is authorized to take all actions necessary to implement this Resolution and facilitate acquisition of the apparatus.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Willows this 9th day of June, 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

APPROVED: ATTESTED:

_____ _____

Evan Hutson, Mayor Karleen Price, City Clerk

GOLDEN STATE
FIRE APPARATUS

PREPARED ESPECIALLY FOR:

CITY OF WILLOWS FIRE DEPARTMENT

One (1) Pierce Manufacturing Enforcer PUC Type 1 Engine

Pierce
PERFORM. LIKE NO OTHER.

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5 Dealer Supplied Products and/or Services (Exhibit D)

1 PRODUCT PROPOSAL

PRODUCT PROPOSAL FOR:

City of Willows Fire Department
445 S Butte Street
Willows, CA 95988

Sales Consultant
Jon Bauer
jbauer@goldenstatefire.com
Mobile: 530.351.2151

SUBMITTED DATE	EXPIRATION DATE	GSFA PROPOSAL #	MANUFACTURER BID #	MANUFACTURER	CONSORTIUM
5/05/26	7/17/26	50505-26	1140	Pierce Mfg.	Sourcewell (City of Willows Member #119373)

Golden State Fire Apparatus, Inc. ("**GSFA**") is pleased to provide this proposal for the fire apparatus(es) and equipment identified below (the "**Product**") to **City of Willows** ("**Customer**") for consideration. This proposal (this "**Product Proposal**") includes the following exhibits attached hereto: the Standard Terms and Conditions attached as Exhibit A (the "**Terms and Conditions**"); the Product Specifications attached as Exhibit B (the "**Specifications**"); the Product Warranties attached as Exhibit C; and the Dealer Supplied Products and/or Services attached as Exhibit D (the "**Dealer Supplied Products/Services List**") (all of the foregoing, collectively, the "**Agreement**"). Through its signature below or other Acceptance (as defined on page 2), Customer acknowledges having received and read, and agrees to be bound by, the Agreement. The Agreement shall be effective as of the latest date appearing in the signature blocks below (the "**Executed Date**").

ITEM	PRODUCT DESCRIPTION	UNIT PRICE
A	One (1) Pierce – Enforcer PUC Type 1 Engine	$1,409,976.66
B	***Discount for Sourcewell consortium purchase (Product ID #1804)***	***($10,971.00)***
C	***Pre-Payment Discount for 100% Payment at Time of Order (the "Prepayment Discount")***	***($180,895.66)***
D	**Sub-Total**	**$1,218,110.00**
E	8.75% State Sales Tax	$106,584.63
F	California Tire Fee	$10.50
G	100% Performance Bond	$3,524.00
H	**GRAND TOTAL PURCHASE PRICE**	**$1,328,229.13**

PAYMENT TERMS – Customer shall pay the total purchase price set forth directly above (the "**Grand Total Purchase Price**") to GSFA within thirty (30) calendar days of the Executed Date. If payment of the Grand Total Purchase Price is late, a late fee as specified in section 6 of the Terms and Conditions may be applied, and the Prepayment Discount may be adjusted, and the Grand Total Purchase Price increased in accordance with section 2.c of the Terms and Conditions. Customer shall pay any balance due as a result of Change Orders to GSFA at the time of GSFA's delivery of the applicable Product to Customer's address listed above (or Customer's pick up of such Product at GSFA's facilities, as applicable and if approved by GSFA).

MANUFACTURER – Customer acknowledges that GSFA is not an agent of the Product manufacturer identified above ("**Manufacturer**") and is not capable of binding Manufacturer. Within five (5) business days of the Executed Date, GSFA shall submit an order form to the Manufacturer for the Product. GSFA's further performance under the Agreement is contingent upon Manufacturer's acceptance of such order form, at the price and on the terms GSFA believed to be available when submitting this Product Proposal to Customer. If Manufacturer rejects such order as submitted or fails to respond to GSFA within a reasonable amount of time, GSFA shall notify Customer in writing, and unless GSFA and Customer otherwise agree in writing, the Agreement shall then terminate and have no further force or effect.

PRODUCT COMPLETION – The Product shall be ready for final inspection by Customer at the manufacturing facility within approximately **48 – 51 MONTHS** after the Executed Date. The foregoing estimate is provided as a good faith approximation as of the date of submission of this Product Proposal and is subject to the Terms and Conditions.

PREDELIVERY SERVICE – If applicable, after transportation from the manufacturing facility and prior to final delivery or pick up, the Product shall receive those additional Products and/or services identified on the Dealer Supplied Products/Services List. It is estimated that such service will add approximately **1 - 2 MONTH(S)** to the above Product completion estimate. The foregoing estimate is provided as a good faith approximation as of the date of submission of this Product Proposal and is subject to the Terms and Conditions.

PROPOSAL EXPIRATION – This Product Proposal supersedes any previous proposal(s) presented to Customer by GSFA and its employees and may be accepted by Customer on or before the Expiration Date identified above. Unless accepted by the Expiration Date, GSFA reserves the right to withdraw this Product Proposal or to alter its terms (including by providing updated Product pricing) prior to an order being accepted.

PURCHASE ORDER – If the Customer elects to issue a Purchase Order (PO) it shall be made out to: *Golden State Fire Apparatus, Inc. – 7400 Reese Road – Sacramento, CA 95828.*

ACCEPTANCE – ACCEPTANCE OF THIS PROPOSAL CREATES AN ENFORCEABLE BINDING AGREEMENT BETWEEN GSFA AND CUSTOMER. "**ACCEPTANCE**" MEANS THAT THE CUSTOMER DELIVERS TO GSFA: (A) A SIGNED COPY OF THIS PRODUCT PROPOSAL, OR (B) A SIGNED COPY OF A PURCHASE ORDER INCORPORATING THE AGREEMENT IN ITS ENTIRETY. ANY ADDITIONAL OR DIFFERENT TERMS, WHETHER CONTAINED IN CUSTOMER'S FORMS OR OTHERWISE PRESENTED BY CUSTOMER AT ANY TIME, ARE HEREBY REJECTED AND OF NO EFFECT UNLESS APPROVED IN A SEPARATE WRITING SIGNED BY GSFA.

COUNTERPARTS – This Product Proposal may be executed in multiple counterparts, each of which shall be deemed an original (including copies sent to a party by electronic transmission) as against the party signing such counterpart, but which together shall constitute one and the same instrument. A signed copy of this Product Proposal delivered by facsimile, email or other means of electronic transmission will be deemed to have the same legal effect as delivery of an original signed copy of this Product Proposal. If this Product Proposal is returned to GSFA with the signature of Customer's authorized representative but without an attestation or co-signers signature, then absent Customer's written notice to the contrary, GSFA shall be entitled to rely on such single signature as sufficient evidence of the signatory's authority to execute the Agreement and bind Customer thereby.

[*Signature Page Follows*]

INTENDING TO CREATE A BINDING AGREEMENT, Customer and GSFA have each caused this Product Proposal**, dated 5/05/26, GSFA Proposal Number: 50505-26,** to be executed by their duly authorized representatives as of the Executed Date.

ACCEPTED AND AGREED TO BY CUSTOMER

AUTHORIZED CUSTOMER REPRESENTATIVE:

_____
Signature

_____
Print Name

_____
Title

_____
Date

ACCEPTED AND AGREED TO BY GSFA

AUTHORIZED GSFA REPRESENTATIVE:

_____
Signature

_____
Print Name

_____
Title

_____
Date

2 STANDARD TERMS AND CONDITIONS

Exhibit "A"

STANDARD TERMS AND CONDITIONS

1. Definitions.

a. "**Agreement**" has the meaning given in the Product Proposal.
b. "**Customer**" means the customer identified in the Product Proposal.
c. "**Dealer Preparation,**" if applicable, means additional product(s) and/or services added by GSFA after Manufacturer's completion of the Product and prior to delivery, in accordance with the Dealer Supplied Products/Services List.
d. "**Delivery Date**" means the Product Completion timeframe plus the Predelivery Service timeframe equals the Delivery Date.
e. "**Dealer Supplied Products/Services List**" means the Dealer Supplied Products and/or Services List attached to the Product Proposal as Exhibit D, which reflects all Dealer Preparation under the Agreement absent a valid Change Order(s).
f. "**Grand Total Purchase Price**" means the total purchase price for the Product identified in the Product Proposal (subject to any adjustments required or permitted by these Terms and Conditions, including by the execution of a valid Change Order(s).
g. "**GSFA**" means Golden State Fire Apparatus, Inc., a California corporation.
h. "**Manufacturer**" means the person or persons, company, firm, corporation, partnership, or other organization identified in the Product Proposal as responsible for manufacturing the Product.
i. "**Party**" or "**Parties**" means GSFA and/or Customer, as applicable.
j. "**Predelivery Service**" means the Products and/or Services that will be provided by GSFA after transportation of the Product(s) from the manufacturing facility and prior to Final Delivery or Pick-Up.
k. "**Prepayment Discount**" means a discount to the purchase price for the Product granted to Customer in connection with Customer's advance payment of the Grand Total Purchase Price (or portion thereof, as specified in the Product Proposal).
l. "**Product**" means the fire apparatus(es) and any associated equipment listed in the Product Proposal and further described in the Specifications.
m. "**Product Completion**" means the fire apparatus(es) in the Product Proposal and further described in the Specifications being ready for final inspection by Customer at the manufacturing facility.
n. "**Product Proposal**" means the GSFA proposal executed by Customer to which these Terms and Conditions are attached.
o. "**Product Warranties**" means the Manufacturer warranties for the Product attached to the Product Proposal as Exhibit C.
p. "**Specifications**" means the specifications for the Product attached to the Product Proposal as Exhibit B.
q. "**Terms and Conditions**" means these Standard Terms and Conditions, which are attached to the Product Proposal as Exhibit A.

2. Purchase and Payment.

a. Purchase. Customer agrees to purchase the Product at the Grand Total Purchase Price (as such amount may be adjusted in accordance with these Terms and Conditions), pursuant to the payment terms set forth in the Product Proposal. The Grand Total Purchase Price is payable in U.S. dollars.

b. Contingency Reserve Fund. The Grand Total Purchase Price may include an amount to be set aside for the purpose of funding any future costs or financial obligations incurred by Customer under the Product Proposal or any valid Change Order(s) (the "**Contingency Reserve Fund**"). If applicable, the amount of any required Contingency Reserve Fund will be set forth in either the Product Proposal or Exhibit D. The Contingency Reserve Fund may be withdrawn against by Customer or GSFA for the purpose of satisfying Customer's payment obligations under the initial Product Proposal or any valid Change Order(s) (including, without limitation, a Change Order submitted by GSFA pursuant to Section 8.b). If a Contingency Reserve Fund is required under the Agreement, the amount of such fund is not intended as an estimate of the actual additional costs of contingencies, Change Orders, unforeseen items

or other required work that may be incurred under the Agreement after submission of the Product Proposal to Customer, which amounts Customer acknowledges may exceed the Contingency Reserve Fund amount. The balance of any Contingency Reserve Fund will be credited against Customer's payment obligations, or otherwise returned to Customer within thirty (30) calendar days of delivery of all Products under the Agreement (provided that Customer has paid all amounts owed under the Agreement as of such date).

c. Prepayment Discount. If GSFA has granted Customer a Prepayment Discount, Customer must provide each associated prepayment (each, a "**Prepayment**") within the time frame specified in the Product Proposal in order to receive such discount. Customer's failure to timely make such Prepayment may result in: (i) GSFA's termination of the Agreement; and/or (ii) Customer's loss of the Prepayment Discount for the portion of the Grand Total Purchase Price represented by such outstanding Prepayment and the application of a late fee as set forth in Section 6, in each case in GSFA's sole discretion.

d. State Sales Tax. Customer shall be responsible for the cost of state sales tax associated with, or attributable to, the Product. The taxes stated in the Product Proposal are subject to adjustment for the applicable state sales tax rate in effect at the time of delivery. Therefore, the sales tax set forth on the Product Proposal is only an estimate of such taxes and will be increased or decreased at the time of delivery if a change in the applicable sales tax rate has occurred, in which case Customer shall pay GSFA (or be refunded by GSFA) the difference in the applicable sales tax.

3. Product Completion Date. Within thirty (30) calendar days of the date on which the last required signatory executes the Product Proposal (such date, the "**Executed Date**"), GSFA shall submit to Customer a tentative Product completion date (which may differ from the Product completion estimate contained in the Product Proposal). Due to global supply chain constraints, any Product completion date contained herein, or in the Product Proposal, or otherwise provided to Customer, is a good faith estimate only as of the date provided to Customer, and merely an approximation based on current information available to GSFA and Manufacturer. Customer shall not be entitled to rely on any such estimate, and GSFA shall have no liability to Customer for a failure by GSFA or Manufacturer to meet any such estimate. All Product completion estimates are subject to modification and, if applicable, GSFA will provide updates to such estimates to Customer when available.

4. Stock / Demo Units. Notwithstanding any other provision contained in the Agreement (including Section 12 hereof concerning warranties), any Products constituting stock/demo unit(s) are sold to Customer on an as-is, first-come and first served-basis and GSFA makes no further representation or warranty to any customer with respect to such unit(s). Regardless of the terms of the Product Proposal, GSFA shall only be obligated to sell such stock/demo unit(s) to the first customer to enter into a purchase agreement with GSFA identifying such unit(s), and after the execution by GSFA of such agreement any subsequent purchase agreement (including the Agreement, as applicable) shall have no further force or effect with respect to such unit(s).

5. Multiple Unit Purchase. If the Grand Total Purchase Price includes pricing for multiple Products, the Product price stated in the Product Proposal shall only be valid if the quantity of Products being proposed are purchased at the same time, pursuant to the same Agreement. GSFA shall have no obligation to offer the same price for any Product if purchased by Customer pursuant to a later purchase agreement.

6. Late Fee; Storage Fee. A late fee equal to 0.033% of the outstanding portion of the Grand Total Purchase Price will be charged per calendar day for overdue payments beginning ten (10) calendar days after the payment is due and continuing for the first thirty (30) calendar days thereafter. After such thirty (30) calendar day period, the late fee shall increase to 0.044% per calendar day until payment of the outstanding portion of the Grand Total Purchase Price is received. If Customer is unable to satisfy the delivery requirements hereunder or is unwilling to take delivery of the Product, then GSFA shall be entitled to a storage charge running from the earlier of: (i) the date of delivery agreed to between GSFA and Customer (provided GSFA is willing and able to deliver the Product on such date), or (ii) twenty-one (21) calendar days after GSFA notifies Customer that the Product is available for delivery. The storage charge is equal to: (i) $175.00 per calendar day per apparatus stored, or (ii) the actual charges incurred by GSFA with a third party for storage of the Product, whichever is greater. Such storage charge shall continue until the actual time

of delivery and Customer's possession of the Product, and any such storage by GSFA or such third party shall be at the sole risk of Customer.

7. Delivery; Inspection and Acceptance.

a. Delivery. Subject to Section 5 hereof, the Product is scheduled to be delivered to the location and within the time period specified in the Product Proposal. Such delivery date is an estimate, and GSFA is, notwithstanding this Section 7.a, not bound to such date unless it otherwise agrees in a separate writing to complete delivery by a date certain. For the avoidance of doubt, GSFA is not responsible for delivery delays caused by or because of actions, omissions or conduct of Customer, the Manufacturer, or their respective employees, affiliates, suppliers, contractors, and carriers. Risk of loss for the Product shall pass to Customer at the point and time of delivery (which shall include an attempted delivery by GSFA which cannot be completed due to any act of Customer). However, title to the Product shall only pass to Customer upon delivery if Customer has then fully paid GSFA all amounts due hereunder (including additional amounts due under any valid Change Order). Absent GSFA's separate written agreement, which it may or may not provide in its sole and absolute discretion, delivery of the Product will not occur before Customer has fully paid all amounts due under the Agreement and provided proof of insurance reasonably satisfactory to GSFA. If GSFA permits Customer to take possession of the Product, Customer may not mount equipment, conduct training, or place the Product into service until all amounts due under the Agreement have been paid. If Customer has ordered multiple Products, GSFA reserves the right to deliver such Products in installments and to separately invoice Customer for such Products.

b. Inspection and Acceptance. Upon delivery, Customer shall have ten (10) calendar days within which to inspect the Product for substantial conformance to the Specifications, and in the event of substantial non-conformance to the Specifications to furnish GSFA with written notice sufficient to permit GSFA to evaluate such non-conformance ("**Notice of Nonconformance to Specifications**"). Contingent upon part availability and Customer's cooperation, any Product not in substantial conformance to material Specifications shall be remedied by GSFA (by repair or replacement, at GSFA's election) within thirty (30) calendar days from GSFA's receipt of the Notice of Nonconformance to Specifications. In the event GSFA does not receive a Notice of Nonconformance to Specifications within ten (10) calendar days of delivery, the Product will be deemed to be in conformance with Specifications and accepted by Customer.

8. Changes to Agreement Terms.

a. Change Orders. The Customer may request that GSFA incorporate a change to the Product or the Specifications for the Product, or GSFA may submit changes to the Agreement required or permitted to be made by GSFA (pursuant to Section 8.b or otherwise) by delivering a written Change Order to the other party hereto, which shall include a description of the proposed change sufficient to permit the receiving party to evaluate such change (either, a "**Change Order**"). For any Change Order submitted by Customer, GSFA will provide Customer a written response (a "**Response**") stating (i) whether GSFA will accommodate such Change Order (which GSFA may decide in its sole and absolute discretion); and (ii) the terms of the modification to the order, including any increase or decrease in the Grand Total Purchase Price resulting from such Change Order, a date on which any increase in the Grand Total Purchase Price must be paid, and an estimate of any effect on production scheduling or delivery resulting from such Change Order. Customer shall have seven (7) calendar days after receipt of the Response to notify GSFA as to whether Customer desires to make the changes GSFA has approved in the Response. In the event Customer countersigns GSFA's Response, Customer shall pay the increase (or be refunded the decrease) in the Grand Total Purchase Price by the date specified in the Response. GSFA may also send Customer a Change Order to account for any changes to the Agreement required or permitted to be made by GSFA (including those changes required pursuant to Section 8.b hereof), and such Change Order shall be effective upon delivery to Customer unless Customer elects to terminate the applicable Product order under the Agreement in accordance with Section 9.

b. Additional Changes.

i. Component Price Volatility; Increases Imposed by Manufacturer. GSFA shall not be responsible for (i) any unforeseen price increase or surcharge enacted by suppliers of major components of the Product (including but not limited to commercial chassis, engine, transmission, and fire pump); or (ii) price increases imposed on GSFA by Manufacturer pursuant to Manufacturer's terms and conditions for sale of the Product (a "**Manufacturer Price Increase**"), after Customer becomes bound by the Agreement. Customer shall be responsible for all amounts arising from any price increases for major components of the Product (including all associated taxes and fees thereon) for the Product or any Manufacturer Price Increases occurring after the execution of the Agreement which increases the cost of the Product to GSFA, and such amounts will be documented on a Change Order adjusting the Grand Total Purchase Price accordingly. Customer shall pay any such price increase prior to Product delivery. A Manufacturer Price Increase may include, but shall not be limited to, an increase in Product price resulting from an increase in the Producer Price Index of Components for Manufacturing (see www.bls.gov Series ID: WPUID6112) in excess of a compounded annual growth rate of five percent (5%), as measured between the month Manufacturer accepts the applicable Product order and the month that is fourteen (14) months prior to the then-current estimated Product completion date (the foregoing, a "**PPI-Based Price Increase**"). If, upon Customer's receipt of a Change Order reflecting a PPI-Based Price Increase, Customer elects to terminate the applicable Product Order in accordance with Section 8.b.iii rather than pay such increase, then in lieu of the cancellation fees described in Section 9.a hereof GSFA shall be entitled to recover and Customer shall pay GSFA's actual non-reimbursable costs incurred in connection with the Product order through the date of Customer's termination of such Product order.

ii. New Legal Standards. In the event the Product design, materials or specifications require an alteration arising from new regulations issued by any governmental entity or trade association, including, but not limited to, the NFPA, DOT, and EPA, and such alteration increases the cost of the Product to GSFA, Customer shall be responsible for changes to the Grand Total Purchase Price arising from such alteration. GSFA shall promptly notify Customer when it becomes aware of any potential or required change in regulations occurring prior to delivery that would impact the Product purchased.

iii. Change Orders. Customer shall execute any Change Order submitted by GSFA documenting any of the changes required or permitted by Sections 8.b.i and 8.b.ii above (which shall, to the extent practicable, itemize any increases in the Grant Total Purchase Price and specify a commercially reasonable date by which Customer must pay such increase), unless Customer instead elects to terminate the applicable Product order under the Agreement within fifteen (15) calendar days of Customer's receipt of such Change Order and in accordance with Section 9. Absent such a termination, failure to execute a Change Order does not alter Customer's obligations under this Section 8.b.

c. Changes in Commercial Specifications. Specifications for all components of the Product manufactured by companies other than the Manufacturer are subject to change without notice. Specifications for such components will be as available at the time of manufacture of the Product. GSFA shall not be liable for any deviations in such specifications arising from a substitution of components or changes in the design of any component by their original manufacturer.

9. Termination.

a. By Customer. Customer may terminate a Product order identified in the Product Proposal or a Change Order by providing written notice to GSFA in accordance with Section 16 hereof. If Customer elects to terminate a Product order, Customer shall pay GSFA a cancellation fee as follows: (a) after the Product order is accepted and entered by GSFA, 10% of the portion of the Grand Total Purchase Price applicable to such Product (including all associated taxes, fees and costs) (such amount, the "**Product Purchase Price**"); (b) after completion of the pre-construction phase of the order process, 20% of the Product Purchase Price; and (c) after the requisition of any materials or commencement of any manufacturing or assembly of the Product by either GSFA or Manufacturer but before substantial completion of such Product, 50% of the Product Purchase Price. Customer shall not be permitted to terminate a Product order after substantial completion of manufacturing and assembly of such Product (excluding

any Dealer Preparation or other pre-delivery services or untypical Product customization, if applicable). Notwithstanding the foregoing, if the applicable tier of cancellation fee is not sufficient to cover all actual costs and fees incurred by GSFA with Manufacturer in connection with Customer's termination of the Product order ("**Manufacturer Termination Fees**"), then in addition to such cancellation fee Customer shall pay the balance of all Manufacturer Termination Fees. If Customer received a Prepayment Discount, such discount shall not be considered for the purpose of calculating the above cancellation fee. The tier of cancellation fee applicable to any cancellation, as well as the determination of whether a Product has reached substantial completion, shall be in the sole and absolute discretion of GSFA. Customer may request a fee waiver, and GSFA, in its sole discretion, may agree to waive and/or adjust such fee. GSFA will return the balance of the Grand Total Purchase Price or Product Purchase Price, as applicable, within thirty (30) calendar days of the effective date of the cancellation of the Product order or termination of the Agreement.

Customer may terminate the Agreement for an Event of Default by GSFA after providing GSFA with written notice in accordance with Section 16 (which notice shall describe with reasonably particularity the Event of Default justifying such termination) if such Event of Default remains uncured (if capable of cure) thirty (30) days following GSFA's receipt of such notice; provided, however, that the foregoing cure period shall continue if and for so long as GSFA has commenced and is continuing to undertake commercially reasonable efforts to cure such Event of Default as promptly as reasonably practicable.

b. By GSFA. GSFA may terminate the Agreement for an Event of Default by Customer after providing Customer with written notice in accordance with Section 16 (which notice shall describe with reasonably particularity the Event of Default justifying such termination) if such Event of Default remains uncured (if capable of cure) thirty (30) days following Customer's receipt of such notice; provided, however, that the foregoing cure period shall continue if and for so long as Customer has commenced and is continuing to undertake commercially reasonable efforts to cure such Event of Default as promptly as reasonably practicable. Notwithstanding the foregoing, GSFA may terminate the Agreement effective immediately upon written notice to Customer for Customer's failure to pay any amount owed under the Agreement when due.

Notwithstanding any other provision of this Agreement, if Customer terminates a Product order in accordance with Section 9.a above, GSFA may elect to instead terminate the Agreement upon notice to Customer in accordance with Section 16 hereof. If GSFA terminates the Agreement in accordance with this Section 9.b, Customer shall pay the applicable tier of cancellation fee for all Products pursuant to Section 9.a above as if Customer had elected to terminate each applicable Product order.

c. Based on Discontinuation or Cancellation by Manufacturer. In the event that Manufacturer cancels a Product order (provided that such cancellation is not the result of an act by Customer in violation of the Agreement) or discontinues the manufacture of a Product prior to its completion and delivery: (i) if such Product is the only Product contemplated under the Agreement, then the Agreement shall terminate; or (ii) if additional Products are contemplated under the Agreement, then only the Product order for the applicable cancelled or discontinued Product shall be terminated. Such Agreement termination or Product termination, as applicable, shall be effective upon GSFA's written notice to Customer of such cancellation or discontinuance in accordance with Section 16 hereof. GSFA's only obligation to Customer in such event shall be the return of any Prepayment paid by Customer for the cancelled or discontinued Product. For the avoidance of doubt, the cancellation fees contemplated in Section 9.a hereof shall not apply in the event of a termination pursuant to this Section 9.c.

10. Customer's Obligations. Customer shall provide its timely and best efforts to cooperate with GSFA and Manufacturer during the Product manufacturing process. Reasonable and timely cooperation includes, without limitation, Customer's providing timely information in response to any requests from Manufacturer or GSFA and the participation of Customer's authorized representatives in traveling to Manufacturer's facility for inspections and approval of the Product, including a final approval before the Product leaves Manufacturer's facility.

11. Representations and Warranties. Customer hereby represents and warrants to GSFA as of the Executed Date that the execution of the Agreement and the purchase of the Product(s) and performance of the other obligations

of Customer under the Agreement have been approved by Customer in accordance with applicable general laws and, as applicable, Customer's charter, ordinances, purchasing policies, and other governing documents, and executed by the appropriate Customer employees, officials, and/or representatives, and funding for Customer's performance of its obligations under the Agreement has been duly budgeted and appropriated by Customer.

12. Standard Warranty. All applicable Manufacturer warranties are contained in the Product Warranties. Any additional warranties must be expressly approved in a writing signed by GSFA, and Customer acknowledges and agrees that Manufacturer will not be liable for any such additional warranties.

a. Disclaimer. OTHER THAN AS EXPRESSLY SET FORTH IN THE AGREEMENT, GSFA, ITS AFFILIATES, AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SHAREHOLDERS, AGENTS, OR REPRESENTATIVES, DO NOT MAKE ANY EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE PRODUCT (WHETHER RELATING TO THE CONDITION OR QUALITY OF THE PRODUCT, OR OTHERWISE) PROVIDED HEREUNDER OR OTHERWISE REGARDING THE AGREEMENT (INCLUDING, WITHOUT LIMITATION, WITH RESPECT TO ANY APPLICABLE DEALER PREPARATION), WHETHER ORAL OR WRITTEN, EXPRESS, IMPLIED OR STATUTORY. WITHOUT LIMITING THE FOREGOING, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, THE IMPLIED WARRANTY AGAINST INFRINGEMENT, THE IMPLIED WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE ARE EXPRESSLY EXCLUDED AND DISCLAIMED. STATEMENTS MADE BY SALES CONSULTANTS OR IN PROMOTIONAL MATERIALS DO NOT CONSTITUTE WARRANTIES.

b. Exclusions of Incidental and Consequential Damages. In no event shall GSFA be liable for consequential, incidental, or punitive damages incurred by Customer in connection with any matter arising out of or relating to the Agreement, or the breach thereof, even if GSFA has been advised of the possibility of such damages, and regardless of whether such damages arise out of breach of warranty, the Agreement, indemnity, whether resulting from non-delivery or from GSFA's own negligence, or otherwise, except and solely to the extent such damages arise from the gross negligence or willful misconduct of GSFA.

13. Default. The occurrence of one or more of the following events (each, an "**Event of Default**") shall constitute a default under the Agreement: (a) Customer's failure to pay any amounts due or to perform any of its obligations under the Agreement; (b) GSFA's failure to perform any of its obligations under the Agreement; (c) either Party becoming insolvent or becoming subject to bankruptcy or insolvency proceedings; (d) any representation made by either Party under the Agreement which is false in any material respect; (e) any action by Customer to dissolve, merge, consolidate or transfer a substantial portion of its property to another entity during the term of the Agreement; (f) any other material breach of the terms of the Agreement by a Party; or (g) a default or breach by Customer under any other agreement with GSFA or its affiliates.

14. Indemnification of GSFA. Customer shall indemnify, defend, and hold harmless GSFA, its agents, servants, successors and assigns from and against all losses, damages, injuries, claims, demands and expenses, including attorneys' fees and other legal expenses, of whatever nature ("**Damages**"), to the extent Damages arise out of or in connection with: (i) Customer's breach of the Agreement, or (ii) Customer's use, storage, or operation of the Product following delivery, regardless of where, how, and by whom operated (excluding any negligent operation by GSFA). The indemnification and assumptions of liability and obligation herein provided shall continue in full force and effect notwithstanding the termination of the Agreement, whether by expiration of time, by operation of law or otherwise. This provision is not intended to and shall not constitute the exclusive remedy of the Parties under the Agreement; the Parties may seek indemnity from one another under other legal principles, whether based in equity or law, so long as they do not nullify or cancel the effects of this paragraph.

15. Force Majeure. GSFA shall not be responsible nor deemed to be in default of any provision of the Agreement on account of delays in performance due to causes which are beyond GSFA's or Manufacturer's control and which make GSFA's performance impracticable, including but not limited to wars, insurrections, strikes or labor unrest, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, any act of federal, state or local government, failure or delays in transportation, inability to obtain necessary labor, supplies or manufacturing facilities, supply chain issues, allocation regulations or orders affecting materials, equipment, facilities or completed

products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, disease, pandemics or epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their agreements or labor troubles causing cessation, slowdown, or interruption of work.

16. Notice. Any notices, requests, consents, claims, demands, waivers and other communications required or permitted to be given hereunder must be given in writing at the address of each Party set forth below, or to such other address as either Party may substitute by written notice to the other in accordance with this Section 16, by one of the following methods: hand delivery; registered, express, or certified mail, return receipt requested, postage prepaid; or nationally recognized private express courier. All such communications will be deemed to have been given: (i) when delivered by hand (with written confirmation of receipt); (ii) on the third (3rd) calendar day after the date mailed, by registered, express or certified mail; or (iii) when delivered by the addressee if sent by a nationally recognized private express courier.

GSFA:	CUSTOMER:
Golden State Fire Apparatus Inc. 7400 Reese Road Sacramento, CA 95828	To the address listed in the Product Proposal

17. Contradictions. In the event of a conflict between the Agreement and any Change Order, or between Change Orders, the terms of the latest executed Change Order shall control.

18. Manufacturer's Statement of Origin. It is agreed that the manufacturer's statement of origin ("**MSO**") for the Product covered by the Agreement, if applicable, shall be retained and remain in the possession of GSFA per California Department of Vehicles (DMV) directives. Notwithstanding the foregoing, GSFA shall provide Customer with the original MSO if the Customer is self-registering, and Customer shall comply with all good-faith Process of Duty and other DMV requirements applicable to the Product and retain its own MSO.

19. Assignment. The relationship of the Parties established under the Agreement is that of independent contractors and neither Party is a partner, employee, agent, or joint venturer of or with the other. Neither Party may assign its rights and obligations under the Agreement unless it has obtained the prior written approval of the other Party.

20. Governing Law; Jurisdiction; Disputes. Without regard to any conflict of laws provisions, the Agreement is to be governed by and under the laws of the state of California. Prior to taking any legal action that may and/or can arise out of the Agreement, the Parties shall first attempt mediation with an agreed upon mediator. If the Parties cannot agree upon a mediator within thirty (30) calendar days of the submission of written notice of a dispute in accordance with Section 16 hereof, if any disputed matter remain unresolved within thirty (30) calendar days of the commencement of discussions, or if any party refuses to meet, then either party may submit any remaining disputes concerning and/or claim regarding the Agreement and/or the terms and conditions herein to the Superior Court, County of Sacramento (and the parties expressly consent to exclusive personal jurisdiction and venue before such court).

21. Entire Agreement; Amendments. The Agreement, including the Product Proposal, its exhibits, and all valid Change Orders, is the exclusive agreement between the Parties regarding the subject matter contained herein and therein. No change in, modification of, or revision of the Agreement shall be valid unless in writing and signed by duly authorized representatives of both Parties with authority to sign such amendments to the Agreement.

END OF STANDARD TERMS AND CONDITIONS

3 PRODUCT SPECIFICATIONS

Exhibit "B"

Proposal For: City of Willows Fire Department

Prepared By: Jon Bauer, Sales Consultant, **Golden State Fire Apparatus, Inc.**

May 5, 2026

PERFORM. LIKE NO OTHER.™

CITY OF WILLOWS FIRE DEPARTMENT
Specifications For: One (1) Pierce Enforcer PUC Type 1 Engine
May 5, 2026 (Proposal #50505-26)

Golden State Fire Apparatus, Inc. is pleased to submit a proposal to Orland Volunteer Fire Department for a **Pierce® Enforcer PUC Type 1 Engine** per your request for quotation. The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. This proposal will indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments advertised specifications.

PIERCE MANUFACTURING was founded in 1913. Since then, we have been building bodies with one philosophy, "BUILD THE FINEST". Our skilled craftsmen take pride in their work, which is reflected, in the final product. We have been building fire apparatus since the early "forties" giving Pierce Manufacturing over 110 years of experience in the fire apparatus market. Pierce Manufacturing has built and put into service more than 75,000 apparatus. Our Wisconsin facilities have over 1.6 million total square feet of floor space situated on approximately 162 acres of land. Our Bradenton, Florida facilities have 410,000 square feet of floor space situated on approximately 35 acres of land.

Our beliefs in high ethical standards are carried through in all of our commitments and to everyone with whom we do business. Honesty, Integrity, Accountability and Citizenship are global tenets by which we all live and work. Consequently, we neither engage in, nor have we ever been convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

Pierce has only one brand of fire apparatus "Pierce", ensuring you are receiving top of the line product that meets your specification.

In accordance with the current edition of applicable NFPA standards, this proposal will specify whether the fire department, manufacturer, or apparatus dealership will provide required loose equipment.

Images and illustrative material in this proposal are as accurate as known at the time of publication, but are subject to change without notice. Images and illustrative material is for reference only, and may include optional equipment and accessories and may not include all standard equipment.

GENERAL DESIGN AND CONSTRUCTION

To control quality, ensure compatibility, and provide a single source for service and warranty, the custom cab, chassis, pump module and body will be entirely designed, assembled/welded and painted in Pierce owned manufacturing facilities. This includes, but not limited to the cab weldment, the pumphouse module assembly, the chassis assembly, the body and the electrical system.

QUALITY AND WORKMANSHIP

Pierce has set the pace for quality and workmanship in the fire apparatus field. Our tradition of building the highest quality units with craftsmen second to none has been the rule right from the beginning and we demonstrate that ongoing commitment by: Ensuring all steel welding follows American Welding Society D1.1-2025 recommendations for structural steel welding. All aluminum welding follows American Welding society and ANSI D1.2-2014 requirements for structural welding of aluminum. All sheet metal welding follows American welding Society D1.3 2018 requirements for structural welding of sheet metal. Our flux core arc welding uses Hobart FabCO Excel-Arc 71, AWS A5.20, E71T1C/M and is performed to American Welding Society standards A5.20-E70T1. Furthermore, all employees classified as welders are tested and certified to meet the American welding Society codes upon hire.

Pierce also employs an American Welding Society certified welding inspector in plant during working hours to monitor weld quality.

Pierce Manufacturing operates a Quality Management System under the requirements of ISO 9001. A copy of the certificate of compliance is included with this proposal.

In addition to the Quality Management system, we also employ a Quality Achievement Supplier program to ensure the vendors and suppliers that we utilize meet the high standards we demand. That is just part of our overall "Quality at the Source" program at Pierce.

DELIVERY

The apparatus will be delivered under its own power to ensure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered.

MANUAL AND SERVICE INFORMATION

At time of delivery, complete operation and maintenance manuals covering the apparatus will be provided. A permanent plate will be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one (1) 39-minute, professionally produced apparatus safety video, in DVD format. A link to the video is also available at www.Pierceparts.com. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, and safety during maintenance.

PERFORMANCE TESTS

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded will not have less than 25 percent nor more than 50 percent on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle. The apparatus will meet the current edition of applicable NFPA standards acceleration and braking requirements.

SERVICE AND WARRANTY SUPPORT

Pierce dealership support will be provided by Golden State Emergency Vehicle Service by operating a Pierce authorized service center. The service center will have factory-trained mechanics on staff versed in Pierce fire apparatus. The service facility will be located within one hundred (100) miles of the fire department.

In addition to the dealership, Pierce has service facilities located in both, Weyauwega, Wisconsin and Bradenton, Florida. Pierce also maintains a dedicated parts facility of over 100,000 square feet in Appleton, Wisconsin. The parts facility stocks in excess of $15,000,000 in parts dedicated to service and replacement parts. The parts facility employs a staff dedicated solely for the distribution and shipment of service and replacement parts.

Service parts for the apparatus being proposed can be found via Pierceparts.com which, is an interactive online tool that delivers information regarding your specific apparatus as well as the opportunity to register for training classes.

As a Pierce customer you have the ability to view the complete bill of materials for your specific apparatus, including assembly drawings, piece part drawings, and beneficial parts notations. You will also have the ability to search the complete Pierce item master through a parts search function which offers all Pierce SKU's and descriptions offered on all Pierce apparatus. Published component catalogs, which include proprietary systems along with an extensive operator's manual library is available for easy reference.

Pierce Manufacturing maintains a dedicated service and warranty staff of over 80 personnel dedicated to customer support. Technical support is available 24/7/365 via the toll free hot line and has four (4) on staff EVTs that offer hands-on repair and maintenance training classes multiple times a year.

SINGLE SOURCE MANUFACTURER

Pierce Manufacturing, Inc. provides an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From our facilities, the chassis, cab weldment, cab, pumphouse (including the sheet metal enclosure, valve controls, piping and operators panel) and body will be entirely designed, tested, and hand assembled to the customer's exact specifications. The electrical system either hardwired or multiplexed, will be both designed and integrated by Pierce Manufacturing. The warranties relative to these major components (excluding component warranties such as engine, transmission, axles, pump, etc.) will be provided by Pierce as a single source manufacturer. Pierce's single source solution adds value by providing a fully engineered product that offers durability, reliability, maintainability, performance, and a high level of quality.

Your apparatus will be manufactured in Appleton, Wisconsin.

SPECIAL INSTRUCTIONS

The apparatus being proposed will be designed and built to match the 36812. However, some variation may be necessary due to changes in our manufacturing processes or our product offering. Revisions in NFPA guidelines and/or other regulations may also affect our ability to match the previous unit.

NFPA 2024 STANDARDS

This unit will comply with the NFPA standards effective January 1, 2024, except for fire department directed exceptions. These exceptions will be set forth in the Statement of Exceptions.

Certification of slip resistance of all stepping, standing and walking surfaces will be supplied with delivery of the apparatus.

All horizontal surfaces designated as a standing or walking surface that are greater than 48.00" above the ground must be defined by a 1.00" wide line along its outside perimeter. Perimeter markings and designated access paths to destination points will be identified on the customer approval print and are shown as approximate. Actual location(s) will be determined based on materials used and actual conditions at final build. Access paths may pass through hose storage areas and opening or removal of covers or restraints may be required. Access paths may require the operation of devices and equipment such as the aerial device or ladder rack.

A plate that is highly visible to the driver while seated will be provided. This plate will show the overall height, length, and gross vehicle weight rating.

The manufacturer will have programs in place for training, proficiency testing and performance for any staff involved with certifications.

An official of the company will designate, in writing, who is qualified to witness and certify test results.

NFPA COMPLIANCY

Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".

PUMP TEST

Underwriters Laboratory (UL) will test, approved, and certify the pump. The test results and the pump manufacturer's certification of hydrostatic test; the engine manufacturer's certified brake horsepower curve; and the pump manufacturer's record of pump construction details will be forwarded to the Fire Department.

VEHICLE INSPECTION PROGRAM CERTIFICATION

To assure the vehicle is built to current NFPA 1900 standards, the apparatus, in its entirety, will be third-party, independent, audit-certified through Underwriters Laboratory (UL) that it is built and complies to all applicable standards in the current edition. The certification includes: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.

A placard will be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.

PRE-CONSTRUCTION, FACTORY TRIP

A pre-construction trip to the manufacturing facility will be provided for four (4) Customer representative(s). The intent of this trip is to review and finalize, in detail, the specifications prior to the start of production. The pre-construction trip will have a duration of four (4) days and three (3) nights and be scheduled at times mutually agreed upon between Golden State Fire Apparatus (GSFA). and the Customer. Costs for airfare, lodging, meals and ground transportation while at the manufacturers location will be the responsibility of GSFA. Air travel will be from one of the following airports: Sacramento, San Francisco or San Jose.

Costs such as Customer ground transportation in California, Customer airport parking, Customer luggage fees and Customer incidentals while traveling to the factory will be the responsibility of the Customer. Flight reservations are non-refundable and in the event of a cancellation after booking, the Customer will be responsible for all costs associated with this cancellation, which may include not only the original ticket cost but also any change or cancellation fees imposed by the airline and/ or travel agency. Flight reservations are also non-transferable.

FINAL INSPECTION FACTORY TRIP

A final inspection trip to the manufacturing facility will be provided for four (4) Customer representative(s). The intent of this trip is to ensure that the apparatus is built to specification and to detect any deficiencies that require correction. The final inspection trip will have a duration of four (4) days and three (3) nights and be scheduled at times mutually agreed upon between Golden State Fire Apparatus (GSFA). and the Customer. Costs for airfare, lodging, meals and ground transportation while at the manufacturers location will be the responsibility of GSFA. Air travel will be from one of the following airports: Sacramento, San Francisco or San Jose.

Costs such as Customer ground transportation in California, Customer airport parking, Customer luggage fees and Customer incidentals while traveling to the factory will be the responsibility of the Customer. Flight reservations are non-refundable and in the event of a cancellation after booking, the Customer will be responsible for all costs associated with this cancellation, which may include not only the original ticket cost but also any change or cancellation fees imposed by the airline and/ or travel agency. Flight reservations are also non-transferable.

PERFORMANCE BOND, 1 YEAR

The successful bidder will furnish a Performance and Payment bond (Bond) equal to 100 percent of the total contract amount within 30 days of the notice of award. Such Bond will be in a form acceptable to the Owner and issued by a surety company included within the Department of Treasury's Listing of Approved Sureties (Department Circular 570) with a minimum A.M. Best Financial Strength Rating of A and Size Category of XV. In the event of a bond issued by a surety of a lesser Size Category, a minimum Financial Strength rating of A+ is required.

Bidder and Bidder's surety agree that the Bond issued hereunder, whether expressly stated or not, also includes the surety's guarantee of the vehicle manufacturer's Basic One (1) Year Limited Warranty period included within this proposal. Owner agrees that the penal amount of this bond will be simultaneously amended to 25 percent of the total contract amount upon satisfactory acceptance and delivery of the vehicle(s) included herein. Notwithstanding anything contained within this contract to the contrary, the surety's liability for any warranties of any type will not exceed one (1) year from the date of such satisfactory acceptance and delivery, or the actual Basic One (1) Year Limited Warranty period, whichever is shorter.

Due to global supply chain constraints, any delivery date contained herein is a good faith estimate as of the date of this order/contract, and merely an approximation based on current information. Delivery updates will be made available, and a final firm delivery date will be provided as soon as possible.

If the Producer Price Index of Components for Manufacturing [www.bls.gov Series ID: WPUID6112] ("PPI") has increased at a compounded annual growth rate of 5.0% or more between the month Pierce accepts the order ("Order Month") and a month 14 months prior to the then predicted Ready For Pickup date ("Evaluation Month"), then pricing may be updated in an amount equal to the increase in PPI over 5.0% for each year or fractional year between the Order Month and the Evaluation Month.
The seller will document any such updated price for the customer's approval before proceeding and provide an option to cancel the order.

APPROVAL DRAWING

A drawing of the proposed apparatus will be prepared and provided to the purchaser for approval before construction begins. The Pierce sales representative will also be provided with a copy of the same drawing. The finalized and approved drawing will become part of the contract documents. This drawing will indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the apparatus will be prepared and submitted by Pierce to the purchaser showing any changes made to the approval drawing.

DRAWING, COMPARTMENT LAYOUT

A basic drawing will be provided for the interior body compartments. This drawing will be provided for graphic representation only and will include such things as shelves, trays, reels, dividers, air control panels, air bottle storage bins, poly boxes & etc.

DRAWING, CAB TOP VIEW

On the sales drawing a top view of the cab seating and EMS cabinets will be provided. The top view will be a reference only of the seating and EMS cabinets in the order.

ENFORCER CHASSIS

The Pierce Enforcer™ is the custom chassis developed exclusively for the fire service. Chassis provided will be a new, tilt-type custom fire apparatus. The chassis will be manufactured in the apparatus body builder's facility eliminating any split responsibility. The chassis will be designed and manufactured for heavy-duty service, with adequate strength, capacity for the intended load to be sustained, and the type of service required. The chassis will be the manufacturer's first line tilt cab.

ANGLE OF DEPARTURE

The angle of departure will be 12.00 degrees. This will be effective with the truck in a loaded state.

ANGLE OF APPROACH

The angle of approach will be 13.00 degrees. This will be effective with the truck in a loaded state.

WHEELBASE

The wheelbase of the vehicle will be 195.00".

GVW RATING

The gross vehicle weight rating will be 46,500 lbs..

FRAME

The chassis frame will be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. The side rails will have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to 10.75" over the rear axle. Each rail will have a section modulus of 25.992 cubic inches and a resisting bending moment (rbm) of 3,119,040 in-lb over the critical regions of the frame assembly, with a section modulus of 18.96 cubic inches with an rbm of 2,275,200 in-lb over the rear axle. The frame rails will be constructed of 120,000 psi yield strength heat-treated 0.38" thick steel with 3.50" wide flanges.

FRAME REINFORCEMENT

In addition, a mainframe internal liner will be provided. The liner will be an internal "C" design that steps to an internal "L" design over the rear axle. It will be heat-treated steel measuring 12.50" x 3.00" x 0.25" through the front portion of the liner, stepping to 9.38" x 3.00" x 0.25" through the rear portion of the liner. Each liner will have a section modulus of 13.58 cubic inches, yield strength of 110,000 psi, and rbm of 1,494,042 in-lb. Total rbm at wheelbase center will be 4,391,869 in-lb.

The frame liner will be mounted inside of the chassis frame rail and extend the full length of the frame.

FRONT NON DRIVE AXLE

The Oshkosh TAK-4® front axle will be of the independent suspension design with a ground rating of 19,500 lb.

Upper and lower control arms will be used on each side of the axle. Upper control arm castings will be made of 100,000-psi yield strength 8630 steel and the lower control arm casting will be made of 55,000-psi yield ductile iron.

The center cross members and side plates will be constructed out of 80,000-psi yield strength steel.

Each control arm will be mounted to the center section using elastomer bushings. These rubber bushings will rotate on low friction plain bearings and be lubricated for life. Each bushing will also have a flange end to absorb longitudinal impact loads, reducing noise and vibrations.

There will be nine (9) grease fittings supplied, one (1) on each control arm pivot and one (1) on the steering gear extension.

The upper control arm will be shorter than the lower arm so that wheel end geometry provides positive camber when deflected below rated load and negative camber above rated load.

Camber at load will be zero degrees for optimum tire life.

The ball joint bearing will be of low friction design and be maintenance free.

Toe links that are adjustable for alignment of the wheel to the center of the chassis will be provided.

The wheel ends must have little to no bump steer when the chassis encounters a hole or obstacle.

The steering linkage will provide proper steering angles for the inside and outside wheel, based on the vehicle wheelbase.

The axle will have a turning angle of up to 45 degrees.

FRONT SUSPENSION
Front Oshkosh TAK-4™ independent suspension will be provided with a minimum ground rating of 19,500 lb.

The independent suspension system will be designed to provide maximum ride comfort. The design will allow the vehicle to travel at highway speeds over improved road surfaces and at moderate speeds over rough terrain with minimal transfer of road shock and vibration to the vehicle's crew compartment.

Each wheel will have torsion bar type spring. In addition, each front wheel end will also have energy absorbing jounce bumpers to prevent bottoming of the suspension.

The suspension design will be such that there is at least 10.00" of total wheel travel and a minimum of 3.75" before suspension bottoms.

The torsion bar anchor lock system allows for simple lean adjustments, without the use of shims. One can adjust for a lean within 15 minutes per side. Anchor adjustment design is such that it allows for ride height adjustment on each side.

The independent suspension was put through a durability test that simulated 140,000 miles of inner city driving.

FRONT SHOCK ABSORBERS
KONI heavy-duty telescoping shock absorbers will be provided on the front suspension.

FRONT OIL SEALS
Oil seals with viewing window will be provided on the front axle.

FRONT TIRES
Front tires will be Goodyear 385/65R22.5 radials, 18 ply Armor Max MSA tread, rated for 20,050 lb maximum axle load and 68 mph maximum speed.

The tires will be mounted on Alcoa 22.50" x 12.25" polished aluminum disc type wheels with a ten (10) stud, 11.25" bolt circle.

REAR AXLE
The rear axle will be a Meritor™, Model RS-26-185, with a capacity of 27,000 lb.

TOP SPEED OF VEHICLE
A rear axle ratio will be furnished to allow the vehicle to reach a top speed of 68 mph / 109 kph.

REAR SUSPENSION

Rear suspension will be a Hendrickson FMX 272 EX, air ride with a ground rating of 27,000 lb. The suspension will have the following features:

- Heavy-duty shock absorbers to protect air springs from overextension

- Heavy-duty torque rods and bushings

- Premium, heavy-duty rubber bushings require no lubrication

- Integrated stabilizer design results in greater stability

- Low spring rate air springs for excellent ride quality

- Dual height control valves to maintain level vehicle from side to side

REAR OIL SEALS

Oil seals will be provided on the rear axle(s).

SYNTHETIC GEAR LUBE

The rear axle will be supplied with synthetic gear lube, as recommended by the axle manufacturer.

REAR AIR RIDE SUSPENSION DUMP VALVES

The rear air ride suspension will be supplied with a dump valve system provided by the custom chassis manufacturer.

The control will be located inside the cab and at the passenger's side rear of body.

To prevent accidental activation of the valves, a 5 second timed delay will be built into the control circuit. The chassis back-up alarm will sound when the control is active.

The parking brake must be applied before the control will be active. Release of the parking brake will automatically inflate the suspension.

REAR TIRES

The rear tires will be four (4) Goodyear Armor Max MSD, 12R22.50 radials, load range H, rated for 27,120 lb maximum axle load and 68 mph maximum speed.

The tires will be mounted on Alcoa 22.50" x 9.00" polished aluminum disc wheels with a ten (10) stud,11.25" bolt circle.

TIRE BALANCE

All tires will be dynamically balanced with wheel weights.

TIRE PRESSURE MANAGEMENT

There will be a RealWheels LED AirSecure™ tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 10 and 200 psi. The sensor will activate an integral battery operated LED when the pressure of that tire drops 5 to 8 psi.

Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start to flash.

CHROME LUG NUT COVERS
Chrome plastic lug nut covers will be supplied on front and rear wheels.

FRONT HUB COVERS
Stainless steel hub covers will be provided on the front axle. An oil level viewing window will be provided.

REAR HUB COVERS
A pair of stainless steel high hat hub covers will be provided on rear axle hubs.

MUD FLAPS
Mud flaps with a Pierce logo will be installed behind the front and rear wheels.

WHEEL CHOCKS
There will be one (1) pair of Worden Safety Products, Model HWG-SB, wheel chocks provided.

Heavy Duty, large molded aluminum wheel chock with solid bottom, natural cast aluminum finish.

Wheel Chock Brackets
There will be one (1) pair of Worden Safety, Model U815T, mounting wheel chock brackets provided. The brackets will be mounted under the LS1 compartment, as far forward as possible.

ELECTRONIC STABILITY CONTROL
A vehicle control system will be provided as an integral part of the ABS brake system from Meritor Wabco.

The system will monitor and update the lateral acceleration of the vehicle and compare it to a critical threshold where a side roll event may occur. If the critical threshold is met, the vehicle control system will automatically reduce engine RPM, engage the engine retarder (if equipped), and selectively apply brakes to the individual wheel ends of the front and rear axles to reduce the possibility of a side roll event.

The system will monitor directional stability through a lateral accelerometer, steer angle sensor and yaw rate sensor. If spinout or drift out is detected, the vehicle control system will selectively apply brakes to the individual wheel ends of the front and rear axles to bring the vehicle back to its intended direction.

ANTI-LOCK BRAKE SYSTEM
The vehicle will be equipped with a Wabco 4S4M, anti-lock braking system. The ABS will provide a four (4) channel anti-lock braking control on both the front and rear wheels. A digitally controlled

system that utilizes microprocessor technology will control the anti-lock braking system. Each wheel will be monitored by the system. When any wheel begins to lockup, a signal will be sent to the control unit. This control unit will then reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

AUTOMATIC TRACTION CONTROL

An anti-slip feature will be included with the ABS. The Automatic Traction Control will be used for traction in poor road and weather conditions. The Automatic Traction Control will act as an electronic differential lock that will not allow a driving wheel to spin, thereby supplying traction at all times. The ABS electronic control unit (ECU) will work with the engine ECU, sharing information concerning wheel slip. Engine ECU will use information to control engine speed, allowing only as much throttle application as required for the available traction, regardless of how much the driver is asking for. An "off road traction" switch will be provided on the instrument panel. Activation of the switch will allow additional tire slip to let the truck climb out and get on top of deep snow or mud.

BRAKES

The service brake system will be full air type.

The front brakes will be Knorr/Bendix disc type with a 17.00" ventilated rotor for improved stopping distance.

The brake system will be certified, third party inspected, for improved stopping distance.

The rear brakes will be Meritor™, Disc Plus, Model EX225, disc operated with automatic slack adjusters and a 17.00" ventilated rotor for improved stopping distance.

AIR COMPRESSOR, BRAKE SYSTEM

The air compressor will be a Wabco single piston compressor with a 26.8 CI displacement.

BRAKE SYSTEM

The brake system will include:

- Brake treadle valve
- Heated automatic moisture ejector on air dryer
- Total air system minimum capacity of 4,272 cubic inches
- Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi
- Spring set parking brake system
- Parking brake operated by a push-pull style control valve
- A parking "brake on" indicator light on instrument panel
- Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, with an automatic spring brake application at 40 psi
- A pressure protection valve to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa)

- 1/4 turn drain valves on each air tank

The air tank will be primed and painted to meet a minimum 750 hour salt spray test.

The air tanks will be painted same as frame color.

To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

BRAKE SYSTEM AIR DRYER

The air dryer will be a WABCO System Saver 1200 IWT, with internal wet tank, spin-on coalescing filter cartridge and 100 watt heater.

BRAKE LINES

Color-coded nylon brake lines will be provided. The lines will be wrapped in a heat protective loom in the chassis areas that are subject to excessive heat.

AIR INLET/OUTLET

One (1) air inlet/outlet will be installed recessed with the female coupling located Pump Operators Control Panel/ PUC. This system will tie into the "wet" tank of the brake system and include a check valve in the inlet line and an 85 psi pressure protection valve in the outlet line. The air outlet will be controlled by a needle valve.

A mating male fitting will be provided with the loose equipment.

The air inlet will allow a shoreline air hose to be connected to the vehicle. This will allow station air to be supplied to the brake system of the vehicle to insure constant air pressure.

ALL WHEEL LOCK-UP

An all wheel lock-up system will be installed which will apply air to the front brakes and use the spring brake at the rear.

Front brakes will apply when standard rear parking brake control valve is activated.

AIR COMPRESSOR, AIR SYSTEM MAINTENANCE

A Kussmaul®, Model 091-9B-4 air compressor will be provided. It will be driven by the 120 volt shoreline electrical system and will be located behind the driver seat.

The compressor will maintain the air pressure in the chassis air system while the vehicle is not in use.

A pressure switch will sense when the system pressure drops and automatically start the compressor, which then will run until pressure is restored.

ENGINE

The chassis will be powered by an electronically controlled engine as described below:

Make:	Paccar
Model:	MX

Power:	510 hp at 1600rpm
Torque:	1850 lb-ft at 1000rpm
Governed Speed:	1900 rpm
Emissions Certification:	EPA 2027
Fuel:	Diesel
Cylinders:	Six (6)
Displacement:	13.7L
Starter:	DP60
Fuel Filters:	Dual cartridge style with check valve, water separator, and water in fuel sensor

The engine will include On-board diagnostics (OBD), which provides self diagnostic and reporting. The system will give the owner or repair technician access to state of health information for various vehicle sub systems. The system will monitor vehicle systems, engine and after treatment. The system will illuminate a malfunction indicator light on the dash console if a problem is detected.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle."

ENGINE BRAKE

The compression release brake option is a fully integrated MX engine braking system. It utilizes the turbocharger and back pressure valve, but adds in a hydraulically operated compression brake to increase overall retarding power.

To maximize the effectiveness of the compression brake the MX engine brake system works in conjunction with the turbocharger and back pressure valve.

The driver will be able to turn the engine brake system on/off and have a high, medium and low setting.

CLUTCH FAN

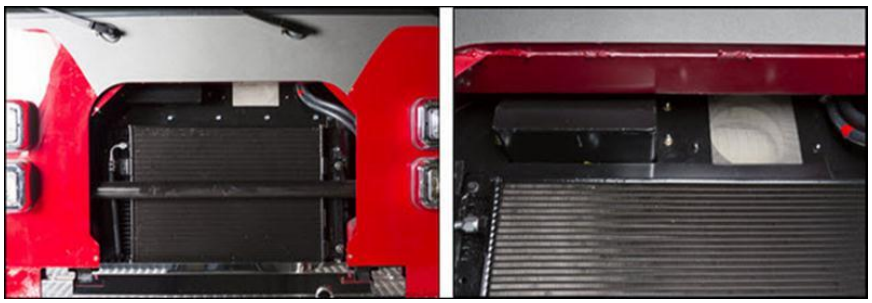
A fan clutch will be provided. The fan clutch will be automatic when the pump transmission is in "Road" position, and constantly engaged when in "Pump" position.

ENGINE AIR INTAKE

The engine air intake will be located above the engine cooling package. It will draw fresh air from the front of the apparatus through the radiator grille.

A stainless steel metal screen will be installed at the inlet of the air intake system that will meet current edition of applicable NFPA standards.

The air cleaner and stainless steel screen will be easily accessible by tilting the cab.



EXHAUST SYSTEM

The exhaust system will be stainless steel from the turbo to the engine's aftertreatment device. The exhaust system will include an aftertreatment device to meet current EPA standards. An insulation wrap will be provided on all exhaust pipe between the turbo and the aftertreatment device to minimize the transfer of heat to the cab.

The exhaust will terminate horizontally ahead of the right side rear wheels and will be flush with the body rub rail. The exhaust pipes will be aluminized steel.

There will be an aluminized steel exhaust diffuser reduced to 5.00" in the center to accommodate the fire department's air recovery system with a standard straight tip on the end provided to reduce the temperature of the exhaust as it exits. Heat deflector shields will be provided to isolate chassis and body components from the heat of the tailpipe diffuser.

RADIATOR

The radiator and the complete cooling system will meet or exceed the current edition of applicable NFPA and engine manufacturer cooling system standards.

For maximum corrosion resistance and cooling performance, the entire radiator core will be constructed using long life aluminum alloy. The radiator core will consist of aluminum fins, having a serpentine design, brazed to aluminum tubes.

The radiator core will have a minimum front area of 1060 square inches.

Supply tank will be made of heavy duty glass-reinforced nylon and the return tank will be made of aluminum. Both tanks will be crimped onto the core assembly using header tabs and a compression gasket to complete the radiator core assembly. There will be a full steel frame around the inserts to enhance cooling system durability and reliability.

The radiator will be compatible with commercial antifreeze solutions.

The radiator assembly will be isolated from the chassis frame rails with rubber isolators to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven terrain.

The radiator will include a de-aeration/expansion tank. For visual coolant level inspection, the radiator will have a built-in sight glass. The radiator will be equipped with a 15 psi pressure relief cap.

A drain port will be located at the lowest point of the cooling system and/or the bottom of the radiator to permit complete flushing of the coolant from the system.

Shields or baffles will be provided to prevent recirculation of hot air to the inlet side of the radiator.

COOLANT LINES

Flexfab® high temperature silicone hoses will be used for all engine/heater coolant lines installed by the chassis manufacturer.

The chassis manufacturer will also use Flexfab® brand hose on other heater and auxiliary coolant circuits. There will be some areas in which an appropriate Flexfab® product is not available. In those instances a comparable silicone hose from another manufacturer will be used.

Rubber hoses will be used for the overhead defrost/heater system.

ose clamps will be stainless steel constant torque type to prevent coolant leakage. They will react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose.

FUEL TANK

A 50 gallon fuel tank will be provided and mounted at the rear of the chassis. The tank will be constructed of 12-gauge, hot rolled steel. It will be equipped with swash partitions and a vent. To eliminate the effects of corrosion, the fuel tank will be mounted with stainless steel straps.

A .75" drain plug will be located in a low point of the tank for drainage.

A fill inlet will be located on the left hand side of the body and is covered with a hinged, spring loaded, stainless steel door that is marked "Ultra Low Sulfur - Diesel Fuel Only".

A .50" diameter vent will be installed from tank top to just below fuel fill inlet.

The fuel tank will meet all FHWA 393.67 requirements including a fill capacity of 95 percent of tank volume.

All fuel lines will be provided as recommended by the engine manufacturer.

DIESEL EXHAUST FLUID TANK

A 7.3 gallon diesel exhaust fluid (DEF) tank will be provided and mounted under the cab on the driver's side.

A fill inlet will be provided on the driver's side of the cab. The lift up door will be spring loaded and be painted.

FUEL COOLER

An air to fuel cooler will be installed in the engine fuel return line.

TRANSMISSION

An Allison 6th generation, Model EVS 4000P, electronic, torque converting, automatic transmission will be provided.

The transmission will be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.

Two (2) PTO openings will be located on left side and top of converter housing (positions 8 o'clock and 1 o'clock).

A transmission temperature gauge with an amber light and buzzer will be installed on the cab instrument panel.

TRANSMISSION SHIFTER

A six (6)-speed push button shift module will be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.

The transmission ratio will be:

1st	3.51 to 1.00
2nd	1.91 to 1.00
3rd	1.43 to 1.00
4th	1.00 to 1.00
5th	0.75 to 1.00
6th	0.64 to 1.00
R	4.80 to 1.00

TRANSMISSION PROGRAMMING

The transmission will be programmed to automatically shift the transmission to neutral when the parking brake is set to simplify operation and increase operational safety.

TRANSMISSION COOLER

A Modine plate and fin transmission oil cooler will be provided using engine coolant to control the transmission oil temperature.

DOWNSHIFT MODE (W/AUXILIARY BRAKE)

The transmission will be provided with a less aggressive downshift mode.

This will provide less aggressive transmission downshifts to 3rd gear, resulting in softer downshifting when the auxiliary brake is active.

DRIVELINE

Drivelines will be a heavy-duty metal tube and be equipped with Spicer® 1810 universal joints.

The shafts will be dynamically balanced before installation.

A splined slip joint will be provided in each driveshaft where the driveline design requires it. The slip joint will be coated with Glidecoat® or equivalent.

STEERING

Dual Sheppard, Model M110, steering gears, with integral heavy-duty power steering, will be provided. For reduced system temperatures, the power steering will incorporate an air to oil cooler and Paccar hydraulic pump with integral pressure and flow control. All power steering lines will have wire braded lines with crimped fittings.

A tilt and telescopic steering column will be provided to improve fit for a broader range of driver configurations.

STEERING WHEEL

The steering wheel will be 18.00" in diameter, have tilting and telescoping capabilities, and a four (4)-spoke design.

There will be a switch pod provided on the left side of the steering wheel between the spokes. The switch pods will be an integral part of the steering wheel.

The following switches will be provided:

- Windshield wash
- Wiper intermittent speed increase
- Wiper intermittent speed decrease
- Hi/Lo wiper speed
- Wiper off

LOGO AND CUSTOMER DESIGNATION ON HORN BUTTON

The steering wheel will have an emblem containing the Pierce logo and customer name. The emblem will have three (3) rows of text for the customer's department name. There will be a maximum of eight (8) characters in the first row, 11 characters in the second row and 11 characters in the third row.

The first row of text will be: WILLOWS

The second row of text will be: FIRE

The third row of text will be: DEPARTMENT

BUMPER

A one (1) piece bumper manufactured from 0.25" formed steel with a 0.38" bend radius will be provided. The bumper will be a minimum of 10.00" high with a 1.50" top and bottom flange, and will extend 19.00" from the face of the cab. The bumper will be 95.28" wide with 45 degree corners and side plates. The bumper will be metal finished and painted lower cab color.

To provide adequate support strength, the bumper will be mounted directly to the front of the C channel frame. The frame will be a bolted modular extension frame constructed of 50,000 psi tensile steel.

Gravel Pan

A gravel pan, constructed of bright aluminum treadplate, will be furnished between the bumper and the cab face. The pan will be properly supported from the underside to prevent flexing and vibration.

CENTER HOSE TRAY

A hose tray, constructed of aluminum, will be placed in the center of the bumper extension.

The tray will have a capacity of 100' of 1.75" double jacket cotton-polyester hose.

No grating will be provided at the bottom of the tray. Drain holes are also provided.

Center Hose Tray Restraint

There will be one (1) pair of hose tray restraint straps located over the center mounted tray.

The restraints will be a pair of 2.00" wide black nylon straps with Velcro® fasteners provided. The strap(s) will be used to secure the hose in the tray.

RIGHT SIDE HOSE TRAY

A hose tray will be placed in the right side of the extended bumper.

The tray will have a capacity of 25' of 1.50" double jacket cotton-polyester hose.

No grating will be provided at the bottom of the tray. Drain holes will be provided.

Right Side Hose Tray Cover

A bright aluminum treadplate cover will be provided over the right side hose tray.

The cover will be "notched" allowing the hose to be pre connected to hose connection.

The cover will be attached with a stainless steel hinge.

A D-ring latch will secure the cover in the closed position and a mechanical stay arm will hold the cover in the open position.

TOW EYES

Two (2) .75" thick stainless steel tow eyes will be installed under the bumper and attached to the front frame members. The tow eyes will be designed and positioned to allow up to a 9,000 lb straight

horizontal pull in line with the centerline of the vehicle. The tow eyes will not be used for lifting of the apparatus. Eyes are shortened to provide additional angle of approach.

The tow eyes will not be painted.

FRONT BUMPER NOTCH

The front bumper will be notched for recessing of the Q2B siren. The notch will be designed so that the bumper is one continuous piece. The notch will be welded in place for strength with a continuous top and bottom flange. All welds will be metal finished for appearance. The siren will be located left side of the bumper.

HOSE TRAY TRANSITION

The edge of the hose tray(s) will be provided with a stainless steel transition piece. The top, front edge of the tray will be rounded to prevent hose and couplings from hanging up as they exit the tray, over the front bumper.

The transition piece will be provided on two (2) tray(s). Tray(s) are located center and right side hose trays .

FRONT BUMPER UL-LX COATING

Protective black UL-LX® coating will be provided on the outside exterior of the top front bumper flange. It will not be sprayed on the underside of the flange.

The lining will be properly installed by an authorized UL-LX dealer.

CAB

The Enforcer cab will be designed specifically for the fire service and manufactured by the chassis builder.

The cab will be built by the apparatus manufacturer in a facility located on the manufacturer's premises.

For reasons of structural integrity and enhanced occupant protection, the cab will be a heavy duty design, constructed to the following minimal standards.

The cab will have 12 main vertical structural members located in the A-pillar (front cab corner posts), B-pillar (side center posts), C-pillar (rear corner posts), and rear wall areas. The A-pillar will be constructed of solid A356-T5 aluminum castings. The B-pillar and C-pillar will be constructed from 0.13" wall extrusions. The rear wall will be constructed of two (2) 2.00" x 2.00" outer aluminum extrusions and two (2) 2.00" x 1.00" inner aluminum extrusions. All main vertical structural members will run from the floor to 4.625" x 3.864" x 0.090" thick roof extrusions to provide a cage-like structure with the A-pillar and roof extrusions being welded into a 0.25" thick corner casting at each of the front corners of the roof assembly.

The front of the cab will be constructed of a 0.13" firewall plate, covered with a minimum 0.090" front skin thickness, and reinforced with a full width x 0.50" thick cross-cab support located just below the

windshield and fully welded to the engine tunnel. The cross-cab support will run the full width of the cab and weld to each A-pillar, the 0.13" firewall plate, and the front skin.

The cab floors will be constructed of 0.125" thick aluminum plate and reinforced at the firewall with an additional 0.375" thick cross-floor support providing a total thickness of 0.50" of structural material at the front floor area. The front floor area will also be supported with two (2) triangular 0.30" wall extrusions that also provides the mounting point for the cab lift. This tubing will run from the floor wireway of the cab to the engine tunnel side plates, creating the structure to support the forces created when lifting the cab.

The cab will be 96.00" wide (outside door skin to outside door skin) to maintain maximum maneuverability.

The centerline of front axle to the rear of the cab will be 70.00" long.

The forward cab section will have an overall height (from the cab roof to the ground) of approximately 99.00". The crew cab section will have a 10.00" raised roof, with an overall cab height of approximately 109.00". The overall height listed will be calculated based on a truck configuration with the lowest suspension weight rating, the smallest diameter tires for the suspension, no water weight, no loose equipment weight, and no personnel weight. Larger tires, wheels, and suspension will increase the overall height listed.

The floor to ceiling height inside the crew cab will be 63.50" in the forward facing outboard positions and 54.50" in the forward facing center position.

The crew cab floor will measure 46.00" from the rear wall to the back side of the rear facing seat risers.

The medium block engine tunnel, at the rearward highest point (knee level), will measure 61.50" to the rear wall. The big block engine tunnel will measure between 45.00" and 51.50" to the rear wall.

The crew cab will be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.

The cab will be a full tilt cab style.

A 3-point cab mount system with rubber isolators will improve ride quality by isolating chassis vibrations from the cab.

CAB ROOF DRIP RAIL

For enhanced protection from inclement weather, a drip rail will be furnished on the sides of the cab. The drip rail will be painted to match the cab roof, and bonded to the sides of the cab. The drip rail will extend the full length of the cab roof.

CAB PUMP ENCLOSURE

The rear of the cab will be made to house the fire pump below the forward facing crew cab seats. The cab side panels will be notched to accommodate the pump panel.

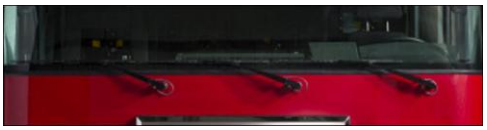
FENDER LINERS

Full circular inner fender liners in the wheel wells will be provided.

PANORAMIC WINDSHIELD

A one (1)-piece safety glass windshield will be provided with over 2,775 square inches of clear viewing area. The windshield will be full width and will provide the occupants with a panoramic view. The windshield will consist of three (3) layers: outer light, middle safety laminate, and inner light. The outer light layer will provide superior chip resistance. The middle safety laminate layer will prevent the windshield glass pieces from detaching in the event of breakage. The inner light will provide yet another chip resistant layer. The cab windshield will be bonded to the aluminum windshield frame using a urethane adhesive. A custom frit pattern will be applied on the outside perimeter of the windshield for a finished automotive appearance.

WINDSHIELD WIPERS



Three (3) electric windshield wipers with washer will be provided that meet FMVSS and SAE requirements.

The washer reservoir will be able to be filled without raising the cab.

[Washer Reservoir Location]

ENGINE TUNNEL

Engine hood side walls will be constructed of 0.375" aluminum. The top will be constructed of 0.125" aluminum and will be tapered at the top to allow for more driver and passenger elbow room.

The engine hood will be insulated for protection from heat and sound. The noise insulation keeps the dBA level within the limits stated in the current edition of applicable NFPA standards.

The engine tunnel will be no higher than 17.00" off the crew cab floor.

INTERIOR CAB INSULATION

The cab will include 1.00" insulation in the ceiling, 1.50" insulation in the side walls, a minimum of 1.00" insulation in the crew cab floor, and 2.00" insulation in the rear wall to maximize acoustic absorption and thermal insulation.

CAB REAR WALL EXTERIOR COVERING

The exterior surface of the rear wall of the cab will be overlaid with bright aluminum treadplate except for areas that are not typically visible when the cab is lowered.

CAB LIFT

A hydraulic cab lift system will be provided consisting of an electric powered hydraulic pump, dual lift cylinders, and necessary hoses and valves.

Hydraulic pump will have a manual override for backup in the event of electrical failure.

Lift controls will be located on the right side pump panel or front area of the body in a convenient location.

The cab will be capable of tilting 43 degrees to accommodate engine maintenance and removal.

The cab will be locked down by a 2-point normally closed spring loaded hook type latch that fully engages after the cab has been lowered. The system will be hydraulically actuated to release the normally closed locks when the cab lift control is in the raised position and cab lift system is under pressure. When the cab is completely lowered and system pressure has been relieved, the spring loaded latch mechanisms will return to the normally closed and locked position.

The hydraulic cylinders will be equipped with a velocity fuse that protects the cab from accidentally descending when the control is located in the tilt position.

For increased safety, a redundant mechanical stay arm will be provided that must be manually put in place on the left side between the chassis and cab frame when the cab is in the raised position. This device will be manually stowed to its original position before the cab can be lowered.

Cab Lift Interlock

The cab lift system will be interlocked to the parking brake. The cab tilt mechanism will be active only when the parking brake is set and the ignition switch is in the on position. If the parking brake is released, the cab tilt mechanism will be disabled.

GRILLE

A bright finished aluminum mesh grille screen, inserted behind a bright finished grille surround, will be provided on the front center of the cab.

DOOR JAMB SCUFFPLATES

All cab door jambs will be furnished with a 1.00" brushed stainless steel scuffplate, mounted on the striker side of the jamb.

MIRRORS

A Retrac, Model 613423, dual vision, motorized, west coast style mirror, with chrome finish, will be mounted on each side of the front cab door with spring loaded retractable arms. The flat glass and convex glass will be heated and adjustable with remote control within reach of the driver.

DOORS

To enhance entry and egress to the cab, the forward cab door openings will be a minimum of 37.50" wide x 63.37" high. The crew cab doors will be located on the sides of the cab and will be constructed in the same manner as the forward cab doors. The crew cab door openings will be a minimum of 34.30" wide x 73.25" high.

The forward cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of 0.093". The exterior door skins will be constructed from 0.090" aluminum.

A customized, vertical, pull-down type door handle will be provided on the exterior of each cab door. The finish of the door handle will be chrome/black. The exterior handle will be designed specifically for the fire service to prevent accidental activation, and will provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

[Exterior Door Handle]

Each door will also be provided with an interior flush, open style paddle handle that will be readily operable from fore and aft positions, and be designed to prevent accidental activation. The interior handles will provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

[Interior Door Handle]

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The keys will be Model 751. The locks will be capable of activating when the doors are open or closed. The doors will remain locked if locks are activated when the doors are opened, then closed.

A full length, heavy duty, stainless steel, piano-type hinge with a 0.38" pin and 11 gauge leaf will be provided on all cab doors. There will be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

A chrome grab handle will be provided on the inside of each cab door for ease of entry.

A red webbed grab handle will be installed on the crew cab door stop strap. The grab handles will be securely mounted.

The bottom cab step at each cab door location will be located below the cab doors and will be exposed to the exterior of the cab.

Door Panels

The inner cab door panels will be constructed out of brushed stainless steel.

ELECTRIC OPERATED CAB DOOR WINDOWS

All four (4) cab doors will be equipped with electric operated windows with one (1) flush mounted automotive style switch on each door. The driver's door will have four (4) switches, one (1) to control each door window.

Each switch will allow intermittent or auto down operation for ease of use. Auto down operation will be actuated by holding the window down switch for approximately 1 second.

CAB STEPS

The forward cab and crew cab access steps will be a full size two (2) step design to provide largest possible stepping surfaces for safe ingress and egress. The bottom steps will be designed with a grip pattern punched into bright aluminum treadplate material to provide support, slip resistance, and drainage. The bottom steps will be a bolt-in design to minimize repair costs should they need to be replaced. The forward cab steps will be a minimum 25.00" wide, and the crew cab steps will be 21.65" wide with a 10.00" minimum depth. The inside cab steps will not exceed 16.50" in height.

The vertical surfaces of the step well will be aluminum treadplate.

CAB EXTERIOR HANDRAILS

A Hansen knurled aluminum handrail will be provided adjacent to each cab and crew cab door opening to assist during cab ingress and egress. Each handrail will be provided with blue LED lights. The lights will be activated when the parking brake is applied. The LED lights may be load managed.

STEP LIGHTS

There will be six (6) white LED step lights with chrome housing installed for cab and crew cab access steps.

- One (1) light for the left side cab access steps.
- Two (2) lights for the left side crew cab access steps.
- Two (2) lights for the right side crew cab access steps.
- One (1) light for the right side cab access step.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

The lights will be activated when the battery switch is on and the adjacent door is opened.

FENDER CROWNS

Stainless steel fender crowns will be installed at the cab wheel openings.

INTERIOR CREW CAB DOOR HANDRAIL

A handrail will be provided on each interior crew cab door pan. The handrails will be mounted at a 45 degree angle. These are in addition to the standard crew cab door handle.

LIGHTED HANDRAIL BELOW CAB WINDSHIELD

A 10.00" long Hansen aluminum knurled handrail will be mounted below the front cab windshield, one (1) on each side.

Each handrail will be provided with blue LED lights.

The lights will be activated when the parking brake is applied.

LEFT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the left side crew cab door will be tinted privacy dark gray.

RIGHT SIDE ROLLUP CREW CAB DOOR WINDOW TINT

The rollup window in the right side crew cab door will be tinted privacy dark gray.

RIGHT SIDE UPPER CREW CAB DOOR WINDOW TINT

The upper window in the right side crew cab door will be tinted privacy dark gray.

LEFT SIDE UPPER CREW CAB DOOR WINDOW TINT

The upper window in the left side crew cab door will be tinted privacy dark gray.

ARM REST ON SIDE OF ENGINE TUNNEL

There will be two (2) padded arm rest(s) provided on the side of the engine tunnel, one (1) on the driver side and one (1) on the passenger side. Each arm rest will be provided on a triangular shaped enclosed bracket that is painted to match the cab interior color. The padding will be located on the top of the bracket only to act as a horizontal arm rest. The arm rest padding will be 4.00" wide x 1.50" thick x 18.00" long and match the seat upholstery. There will be recessed pocket(s) provided in the arm rest bracket located at the front of the bracket to flush mount the following components: to be determined at the pre-construction conference.

EQUIPMENT MOUNTING AREA

There will be an aluminum angle with a 1.00" lip installed on the dash to prevent items from sliding off the dash panel.

The angle will run full length across the front, flat portion of the dashboard closest to the officer.

The lip will be painted to match the cab interior.

CAB AIR FILTRATION

The vehicle will be equipped with a CrewProtect™ air filtration system to provide purification of the interior air of the cab and crew cab. The multi-stage filtration system will remove particulates, violate organic compounds, aerosol carrying viruses and bacteria from the air.

System Construction

The housing will be constructed of powder coated stainless steel and will be 12.00" wide x 4.50" high x 20.00" long. The angled surface will be provided with an additional 2.00" of clearance for air flow. The unit will be mounted on the inboard wall of the rear facing left side cabinet.

There will be one (1) filter installed in the unit. The expected filter life will be no less than 1,800 active hours of usage (6 months). There will be one (1) additional filter replacement for year one; and two (2) additional filter replacements for year two; three (3) total filters shipped loose with the unit. The filter

will be designed to neutralize harmful chemical contaminants and is safe to discard as normal trash with no special handling requirements.

System Operating Conditions

CrewProtect will automatically run when the truck is operating. And will not be required to turn on or off or adjust the flow rate. The fan will operate at 100 CFMs and only 60.2 decibels.

Electrical Wiring/Function

The system will be ignition powered from the 12 VDC vehicle power supply. The system will draw a maximum of 2 amps and have a 5-amp integrated fuse in the wire harness.

CAB DOOR LOCKS

All locks to be keyed the same. The only keys provided will be able to lock and unlock all cab doors, cab exterior compartments and body compartments.

GLOVE BOX

A glove box with a drop-down door will be installed above the recessed area of the dash panel in front of the officer's position. The glove box will be 31.00" wide at the top and 24.75" at the bottom x 5.50" high x 6.25" deep. The clear door opening will be 14.25" wide x 3.95" high.

CAB DASH

The driver side dash, switch panel located to the right of the driver, and center console will be constructed of metal and painted fire smoke gray.

The officer side dash will be a flat top design with an upper beveled edge to provide easy maintenance and will be constructed out of aluminum and painted to match the cab interior.

The instrument gauge cluster will be surrounded with a high impact ABS plastic contoured to the same shape of the instrument gauge cluster.

MOUNTING PLATE ON ENGINE TUNNEL

Equipment installation provisions will be installed on the engine tunnel.

A 0.25" smooth aluminum plate will be bolted to the top surface of the engine tunnel. The plate will follow the contour of the engine tunnel and will run the entire length of the engine tunnel. The plate will be spaced off the engine tunnel .75" to allow for wire routing below the plate.

The mounting surface will be painted to match the cab interior.

CAB INTERIOR

The cab interior will be constructed of primarily metal (painted aluminum) to withstand the severe duty cycles of the fire service.

The engine tunnel will be padded and covered, on the top and sides, with dark silver gray 36 ounce leather grain vinyl resistant to oil, grease, and mildew.

For durability and ease of maintenance, the cab interior side walls will be painted aluminum. The rear wall will be painted aluminum.

The headliner will be installed in both forward and rear cab sections. Headliner material will be vinyl. A sound barrier will be part of its composition. Material will be installed on an aluminum sheet and securely fastened to interior cab ceiling.

The forward portion of the cab headliner will permit easy access for service of electrical wiring or other maintenance needs.

All wiring will be placed in metal raceways.

CAB INTERIOR UPHOLSTERY
The cab interior upholstery will be 36 oz dark silver gray vinyl.

CAB INTERIOR PAINT
The cab interior metal surfaces, excluding the rear heater panels, will be painted fire smoke gray, vinyl texture paint.

The rear heater panels will be painted black, vinyl textured paint.

CAB FLOOR
A small blister will be provided at the rear of the engine tunnel for chassis components.

The cab and crew cab floor areas will be covered with Polydamp™ acoustical floor mat consisting of a black pyramid rubber facing and closed cell foam decoupler.

The top surface of the material has a series of raised pyramid shapes evenly spaced, which offer a superior grip surface. Additionally, the material has a 0.25" thick closed cell foam (no water absorption) which offers a sound dampening material for reducing sound levels.

DEFROST/AIR CONDITIONING SYSTEM
A ceiling mounted combination heater, defroster and air conditioning system will be installed in the cab above the engine tunnel area.

Cab Defroster
A 54,000 BTU heater-defroster unit with 690 SCFM of air flow will be provided inside the cab. The heater-defrost will be installed in the forward portion of the cab ceiling. Air outlets will be strategically located in the cab header extrusion per the following:

- One (1) adjustable outlet directed towards the left side cab window.
- One (1) adjustable outlet directed towards the right side cab window.
- Six (6) fixed outlets directed at the windshield.

The defroster will be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at 0 degrees Fahrenheit for 10 hours, and a 2 ounce

per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system will meet or exceed SAE J382 requirements.

Cab/Crew Auxiliary Heater

There will be one (1) 31,000 BTU auxiliary heater with 560 SCFM of air flow provided in each outboard rear facing seat riser with a dual scroll blower. An aluminum plenum incorporated into the cab structure to be used to transfer heat to the forward positions.

Air Conditioning

A condenser will be a 59,644 BTU output that meets and exceeds the performance specification will be mounted on the radiator.

The air conditioning system will be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 75 degrees Fahrenheit at 50 percent relative humidity within 30 minutes. The cooling performance test will be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of 4 hours.

The evaporator unit will be installed in the rear portion of the cab ceiling over the engine tunnel. The evaporator will include one (1) high performance heating core, one (1) high performance cooling core with (1) plenum directed to the front and one (1) plenum directed to the rear of the cab. The rear plenum will be covered with a metal cover painted to match the cab interior.

The evaporator unit will have a 52,000 BTU at 690 SCFM rating that meets and exceeds the performance specifications.

Adjustable air outlets will be strategically located on the forward plenum cover per the following:

- Four (4) outlets directed towards the seating position on the left side of the cab.
- Four (4) outlets directed towards the seating position on the right side of the cab.

Adjustable air outlets will be strategically located on the rear plenum cover per the following:

- Minimum of five (5) outlets directed towards crew cab area.

A high efficiency particulate air (HEPA) filter will be included for the system. Access to the filter cover will be secured with four (4) screws.

The air conditioner refrigerant will be R-134A and will be installed by a certified technician.

Climate Control

An automotive style controller will be provided to control the heat and air conditioning system within the cab. The controller will have three (3) functional knobs for fan speed, temperature, and air flow distribution (front to rear) control.

The system will control the temperature of the cab and crew cab automatically by pushing the center of the fan speed control knob. Rotate the center temperature control knob to set the cab and crew cab temperature.

The AC system will be manually activated by pushing the center of the temperature control knob. Pushing the center of the air flow distribution knob will engage the AC for max defrost, setting the fan speeds to 100 percent and directing all air flow to the overhead forward position.

The system controller will be located within panel position #13.

Gravity Drain Tubes

Two (2) condensate drain tubes will be provided for the air conditioning evaporator. The drip pan will have two (2) drain tubes plumbed separately to allow for the condensate to exit the drip pan. No pumps will be provided.

SUN VISORS

There will be two (2) smoked Lexan™ sun visors provided. The sun visors will be located above the windshield with one (1) mounted on each side of the cab.

There will be a black plastic thumb latch provided to help secure each sun visor in the stowed position.

A rubber trim piece will be provided around the edge of each sun visor.

GRAB HANDLE

A black rubber covered grab handle will be mounted on the door post of the driver and officer's side cab door to assist in entering the cab. The officer's side grab handle will be mounted on the lower portion of the door post. The grab handle will be securely mounted to the post area between the door and windshield.

ENGINE COMPARTMENT LIGHTS

There will be one (1) Whelen, Model 3SC0CDCR, 12 volt DC, 3.00" white LED light(s) with Whelen, Model 3FLANGEC, chrome flange kit(s) installed under the cab to be used as engine compartment illumination.

These light(s) will be activated automatically when the cab is raised.

ACCESS TO ENGINE DIPSTICKS

For access to the engine oil and transmission fluid dipsticks, there will be a door on the engine tunnel, inside the crew cab. The door will be on the rear wall of the engine tunnel, on the vertical surface.

The engine oil dipstick will allow for checking only. The transmission dipstick will allow for both checking and filling.

The door will have a rubber seal for thermal and acoustic insulation. One (1) Southco C2 chrome flush latch will be provided on the access door.

STORAGE BOX

There will be four (4) storage box(es) designed to hold and dispense boxes of latex gloves provided. Each box will have four (4) sides. One (1) side will be hinged with a latch so the latex gloves box can be changed when empty.

Each box will be constructed of aluminum and located at the final inspection.

Each storage box will be 10.00" wide x 5.00" deep x 3.50" high and painted to match the cab interior. A slot will be provided on the top of each box to dispense the gloves.

SEATING CAPACITY

The seating capacity of the vehicle (including tiller cab and belted seat positions in the rescue body) will be four (4).

DRIVER SEAT

A seat will be provided in the cab for the driver. The seat design will be a cam action type, with air suspension. For increased convenience, the seat will include a manual control to adjust the horizontal position (6.00" travel). The manual horizontal control will be a towel-bar style located below the forward part of the seat cushion. To provide flexibility for multiple driver configurations, the seat will have an adjustable reclining back. The seat back will be a high back style with side bolster pads for maximum support. For optimal comfort, the seat will be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat will be furnished with a 3-point, shoulder type seat belt.

OFFICER SEAT

A seat will be provided in the cab for the passenger. The seat will be a fixed type with no suspension. For optimal comfort, the seat will be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders.

Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will be furnished with a 3-point, shoulder type seat belt.

RADIO COMPARTMENT

A radio compartment will be provided under the officer's seat.

The inside compartment dimensions will be 14.00" wide x 7.50" high x 15.00" deep, with the back of the compartment angled up to match the cab structure.

A drop-down door with one (1) Southco C2 chrome flush latch will be provided for access.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

REAR FACING LEFT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the left side outboard position. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 23.00" wide x 28.00" high x 22.75" deep with one (1) Gortite rollup door with satin anodized finish, locking with #751 key. The frame to frame opening will be 16.00" wide x 22.75" high. The minimum clear door opening of the cabinet will be 13.25" wide x 16.87" high.

CLEAR DOOR OPENINGS (F-F = Frame to Frame)					
AMDOR		GORTITE		ROM	
HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
Subtract 2.00" from F-F	Subtract 5.88" from F-F	Subtract 2.75" from F-F	Subtract 4.75" from F-F	Subtract 2.56" from F-F	Subtract 4.50" from F-F

The cabinet will include one (1) infinitely adjustable shelf with a 1.25" up-turned lippainted to match the cab interior.

The cabinet will include no louvers.

The cabinet will also provide access from outside the cab with one (1) reverse hinged double pan door painted to match the cab exterior with a locking D-ring latch with #751 key. The D-ring handle to be mounted lower than standard for easier access. A pneumatic stay arm will be provided as a door stop. The exterior clear door opening will be 17.00" wide x 24.50" high.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the right side of the exterior cabinet door opening and one (1) white LED strip light installed on the right side of the interior cabinet door opening. The lighting will be controlled by an automatic door switch.

REAR FACING RIGHT SIDE CABINET

A rear facing cabinet will be provided in the crew cab at the right side outboard position. The cabinet will be mounted off the edge of the seat riser so that it is even with the crew cab door frame.

The cabinet will be 22.00" wide x 28.00" high x 22.75" deep with one (1) Gortite rollup door with satin anodized finish, locking with #751 key. The frame to frame opening will be 15.00" wide x 22.75" high. The minimum clear door opening of the cabinet will be 12.25" wide x 16.87" high.

CLEAR DOOR OPENINGS (F-F = Frame to Frame)					
AMDOR		GORTITE		ROM	
HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
Subtract 2.00" from F-F	Subtract 5.88" from F-F	Subtract 2.75" from F-F	Subtract 4.75" from F-F	Subtract 2.56" from F-F	Subtract 4.50" from F-F

The cabinet will include one (1) infinitely adjustable shelf with a 1.25" up-turned lippainted to match the cab interior.

The cabinet will include no louvers.

The cabinet will also provide access from outside the cab with one (1) reverse hinged double pan door painted to match the cab exterior with a locking D-ring latch with #751 key. The D-ring handle to be mounted lower than standard for easier access. A pneumatic stay arm will be provided as a door stop. The exterior clear door opening will be 17.00" wide x 24.50" high.

The exterior access will be provided with a brushed stainless steel scuffplate on the lower door frame.

The cabinet will be constructed of smooth aluminum and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the exterior cabinet door opening and one (1) white LED strip light installed on the left side of the interior cabinet door opening. The lighting will be controlled by an automatic door switch.

FORWARD FACING LEFT SIDE OUTBOARD SEAT

There will be one (1) forward facing seat provided at the left side outboard position in the crew cab. The seat will be mounted 2.75" inboard from the standard location.

For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA style with 90 degree back. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will be furnished with a 3-point, shoulder type seat belt.

FORWARD FACING CENTER CABINET

A forward facing cabinet will be provided in the crew cab at the center position.

The cabinet will be 32.00" wide x 50.00" high x 20.00" deep with one (1) Amdor rollup door with anodized finish, non-locking. The frame to frame opening of the cabinet will be 29.50" wide x 44.75" high. The minimum clear door opening will be 26.75" wide x 38.87" high.

CLEAR DOOR OPENINGS (F-F = Frame to Frame)					
AMDOR		GORTITE		ROM	
HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
Subtract 2.00" from F-F	Subtract 5.88" from F-F	Subtract 2.75" from F-F	Subtract 4.75" from F-F	Subtract 2.56" from F-F	Subtract 4.50" from F-F

The cabinet will include three (3) infinitely adjustable shelves with a 1.25" up-turned lippainted to match the cab interior.

The cabinet will include no louvers.

The cabinet will be constructed of smooth aluminum, and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the left side of the interior cabinet door opening and one (1) white LED strip light installed on the right side of the interior cabinet door opening. The lighting will be controlled by an automatic door switch.

FORWARD FACING RIGHT SIDE OUTBOARD SEAT

There will be one (1) forward facing seat provided at the right side outboard position in the crew cab. The seat will be mounted 2.75" inboard from the standard location.

For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA style with 90 degree back. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will be furnished with a 3-point, shoulder type seat belt.

REAR FACING OVERHEAD STORAGE COMPARTMENT

There will be two (2) overhead rear facing storage compartments installed at the raised roof within the crew cab, on each side of the air conditioner. The compartments will be approximately 21.00" wide x 10.00" high x 20.00" deep at the bottom.

Each compartment will include one (1) lift up compartment door. Non-locking latch, paddle handle, and gas operated stay arms will be provided.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

Compartment Light
The storage compartment lighting will consist of one (1) white LED strip light installed horizontally above each compartment door opening.

SEAT UPHOLSTERY
All seat upholstery will be leather grain 36 oz dark silver gray vinyl resistant to oil, grease and mildew. The cab and tiller cab (if applicable) will have four (4) seating positions.

AIR BOTTLE HOLDERS
All SCBA type seats in the cab will have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket will include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in the event of an accident, the inertial components within the clamp will constrain the SCBA bottle in the seat and will exceed the NFPA standard of 9G.

There will be a quantity of three (3) SCBA brackets.

BACK REST INSERTS
Provided with the SCBA seats, will be backrest inserts which covers the SCBA cavity.

The insert cover will be padded and covered with black Endure vinyl. A total of three (3) inserts will be provided all SCBA seats.

The seat back insert is designed to support the firefighters back, with or without the SCBA bottle in place. The insert is held in place with two (2) elastic cords.

SEAT BELTS
All cab and tiller cab (if applicable) seating positions will have red seat belts. To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length will meet or exceed the current edition of applicable NFPA and CAN/ULC - S515 standards.

The 3-point shoulder type seat belts will include height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter. The 3-point shoulder type seat belts will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The 3-point shoulder type belts will also include the ReadyReach® D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.

Any flip up seats will include a 3-point shoulder type belts only.

To ensure safe operation, the seats will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not buckled.

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT

NFPA 1900, 2024 edition, section 11.1.8.4.1 and CAN/ULC 515:2024 edition, section 5.2, requires a location for helmet storage be provided.

There is no helmet storage on the apparatus as manufactured. The fire department will provide a location for storage of helmets.

CAB DOME LIGHTS

There will be four (4) Whelen, Model 60C*EGCS, 6.00" round dual LED dome lights provided. Two (2) lights will be mounted above the inside shoulder of the driver and officer and two (2) lights will be installed and located, one (1) on each side of the crew cab.

The color of the LED's will be red and white.

The white LED's will be controlled by the lens switch and the door switch to activate the white LEDs adjacent to the respective door.

The color LED's will be controlled by the lens switch.

PORTABLE HAND LIGHTS PROVIDED BY FIRE DEPARTMENT

The hand lights are not on the apparatus as manufactured. The fire department will provide and mount these hand lights.

CAB INSTRUMENTATION

The cab instrument panel will include gauges, an LCD display, telltale indicator lamps, control switches, alarms, and a diagnostic panel. The function of the instrument panel controls and switches will be identified by a label adjacent to each item. Actuation of the headlight switch will illuminate the labels in low light conditions. Telltale indicator lamps will not be illuminated unless necessary. The cab instruments and controls will be conveniently located within the forward cab section, forward of the driver. The gauge assembly and switch panels are designed to be removable for ease of service and low cost of ownership.

Gauges

The gauge panel will include the following ten (10) ivory faced gauges with chrome bezels to monitor vehicle performance:

- Voltmeter gauge (volts):
  - Low volts (11.8 VDC)
    - Amber caution indicator on the information center with intermittent alarm
    - Amber caution light on gauge assembly
  - High volts (15.5 VDC)
    - Amber caution indicator on the information center with intermittent alarm
    - Amber caution light on gauge assembly
  - Very low volts (11.3 VDC)

        - Red warning indicator on the information center with a steady alarm
        - Amber caution light on gauge assembly
    - Very high volts (16.0 VDC)
        - Red warning indicator on the information center with a steady alarm
        - Amber caution light on gauge assembly
- Engine Tachometer (RPM)
- Speedometer MPH (Major Scale), KM/H (Minor Scale)
- Fuel level gauge (Empty - Full in fractions):
    - Low fuel (1/8 full)
        - Amber caution indicator on the information center with intermittent alarm
        - Amber caution light on gauge assembly
    - Very low fuel (1/32 full)
        - Red caution indicator on the information center with steady alarm
        - Amber caution light on gauge assembly
- Engine Oil pressure Gauge (PSI):
    - Low oil pressure to activate engine warning lights and alarms
        - Red caution indicator on the information center with steady alarm
        - Amber caution light on gauge assembly
- Front Air Pressure Gauges (PSI):
    - Low air pressure to activate warning lights and alarm
        - Red warning indicator on the information center with a steady alarm
        - Amber caution light on gauge assembly
- Rear Air Pressure Gauges (PSI):
    - Low air pressure to activate warning lights and alarm
        - Red warning indicator on the information center with a steady alarm
        - Amber caution light on gauge assembly
- Transmission Oil Temperature Gauge (Fahrenheit):
    - High transmission oil temperature activates warning lights and alarm
        - Amber caution indicator on the information center with intermittent alarm
        - Amber caution light on gauge assembly
- Engine Coolant Temperature Gauge (Fahrenheit):
    - High engine temperature activates an engine warning light and alarms
        - Amber caution indicator on the information center with intermittent alarm
        - Amber caution light on gauge assembly
- Diesel Exhaust Fluid Level Gauge (Empty - Full in fractions):
    - Low fluid (1/8 full)
        - Amber indicator light in gauge dial

All gauges will perform prove out at initial power-up to ensure proper performance.

Indicator Lamps

To promote safety, the following telltale indicator lamps will be located on the instrument panel in clear view of the driver. The indicator lamps will be "dead-front" design that is only visible when active. The colored indicator lights will have descriptive text or symbols.

The following amber telltale lamps will be present:

- Low coolant
- Trac cntl (traction control) (where applicable
- Check engine
- Check trans (check transmission
- Aux brake overheat (Auxiliary brake overheat
- Air rest (air restriction)
- Caution (triangle symbol)
- Water in fuel
- DPF (engine diesel particulate filter regeneration)
- Trailer ABS (where applicable)
- Wait to start (where applicable)
- HET (engine high exhaust temperature) (where applicable)
- ABS (antilock brake system)
- MIL (engine emissions system malfunction indicator lamp) (where applicable)
- Side roll fault (where applicable)
- Front air bag fault (where applicable)

The following red telltale lamps will be present:

- Warning (stop sign symbol)
- Seat belt
- Parking brake
- Stop engine
- Rack down

The following green telltale lamps will be provided:

- Left turn
- Right turn
- Battery on

The following blue telltale lamp will be provided:

- High beam

Alarms

Audible steady tone warning alarm: A steady audible tone alarm will be provided whenever a warning message is present.

Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) will be provided whenever a caution message is present without a warning message being present.

Alarm silence: Any active audible alarm will be able to be silenced by holding the ignition switch at the top position for three (3) to five (5) seconds. For improved safety, silenced audible alarms will intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp will act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition will enable the steady or pulsing tones respectively.

Indicator Lamp and Alarm Prove-Out

A system will be provided which automatically tests telltale indicator lights and alarms located on the cab instrument panel. Telltale indicators and alarms will perform prove-out at initial power-up to ensure proper performance.

Control Switches

For ease of use, the following controls will be provided immediately adjacent to the cab instrument panel within easy reach of the driver. All switches will have backlit labels for low light applications.

Headlight/Parking light switch: A three (3)-position maintained rocker switch will be provided. The first switch position will deactivate all parking and headlights. The second switch position will activate the parking lights. The third switch will activate the headlights.

Panel back lighting intensity control switch: A three (3)-position momentary rocker switch will be provided. Pressing the top half of the switch, "Panel Up" increases the panel back lighting intensity and pressing the bottom half of the switch, "Panel Down" decreases the panel back lighting intensity. Pressing the half or bottom half of the switch several times will allow back lighting intensity to be gradually varied from minimum to maximum intensity level for ease of use.

Ignition switch: A three (3)-position maintained/momentary rocker switch will be provided. The first switch position will turn off and deactivate vehicle ignition. The second switch position will activate vehicle ignition and will perform prove-out on the telltale indicators and alarms for 3 to 5 seconds after the switch is turned on. A green indicator lamp is activated with vehicle ignition. The third momentary position will temporarily silence all active cab alarms. An alarm "chirp" may continue as long as alarm condition exists. Switching ignition to off position will terminate the alarm silence feature and reset function of cab alarm system.

Engine start switch: A two (2)-position momentary rocker switch will be provided. The first switch position is the default switch position. The second switch position will activate the vehicle's engine. The switch actuator is designed to prevent accidental activation.

Hazard switch will be provided on the instrument panel or on the steering column.

Heater, defroster, and air conditioning control panel.

Windshield wiper control will include low, high and intermittent modes.

Turn signal arm: A self-canceling turn signal with high beam headlight will be provided.

Parking brake control: An air actuated push/pull park brake control valve will be provided.

Chassis horn control: Activation of the chassis horn control will be provided through the center of the steering wheel.

High idle engagement switch: A momentary rocker switch with integral indicator lamp will be provided. The switch will activate and deactivate the high idle function. The "OK To Engage High Idle" indicator lamp must be active for the high idle function to engage. A green indicator lamp integral to the high idle engagement switch will indicate when the high idle function is engaged.

"OK To Engage High Idle" indicator lamp: A green indicator light will be provided next to the high idle activation switch to indicate that the interlocks have been met to allow high idle engagement.

Custom Switch Panels

The design of cab instrumentation will allow for emergency lighting and other switches to be placed within easy reach of the operator thus improving safety. There will be positions for up to four (4) switch panels in the lower instrument console and up to six (6) switch panels in the overhead visor console. All switches have backlit labels for low light conditions.

Diagnostic Panel

A diagnostic panel will be accessible while standing on the ground and located inside the driver's side door left of the steering column. The diagnostic panel will allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches will allow ABS systems to provide blink codes should a problem exist.

The diagnostic panel will include the following:

- Engine diagnostic port
- Transmission diagnostic port
- ABS diagnostic port
- Roll sensor diagnostic port
- Command Zone USB diagnostic port
- ABS diagnostic switch (blink codes flashed on ABS telltale indicator)
- Diesel particulate filter regeneration switch (where applicable)
- Diesel particulate filter regeneration inhibit switch (where applicable)

Cab LCD Display

A digital four (4)-row by 20-character dot matrix display will be integral to the gauge panel. The display will be capable of showing simple graphical images as well as text. The display will be split into three (3) sections. Each section will have a dedicated function. The upper left section will display the outside ambient temperature.

The upper right section will display the following, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section will display INFO, CAUTION, and WARNING messages. Text messages will automatically activate to describe the cause of an audible caution or warning alarm. The LCD will be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm will be provided.

"DO NOT MOVE APPARATUS" INDICATOR

A Whelen Model 3SR00FRR flashing red LED indicator light with a Whelen, Model 3FLANGEC chrome surface mount flange located in the driving compartment, will be illuminated automatically per the current NFPA requirements. The light will be labeled "Do Not Move Apparatus If Light Is On".

The same circuit that activates the Do Not Move Apparatus indicator will activate a steady tone alarm when the parking brake is released.

DO NOT MOVE TRUCK MESSAGES

Messages will be displayed on the Command Zone™, color display located within sight of the driver whenever the Do Not Move Truck light is active. The messages will designate the item or items not in the stowed for vehicle travel position (parking brake disengaged).

The following messages will be displayed (where applicable):

- Do Not Move Truck
- DS Cab Door Open (Driver Side Cab Door Open)
- PS Cab Door Open (Passenger's Side Cab Door Open)
- DS Crew Cab Door Open (Driver Side Crew Cab Door Open)
- PS Crew Cab Door Open (Passenger's Side Crew Cab Door Open)
- DS Body Door Open (Driver Side Body Door Open)
- PS Body Door Open (Passenger's Side Body Door Open)
- Rear Body Door Open

- DS Ladder Rack Down (Driver Side Ladder Rack Down)
- PS Ladder Rack Down (Passenger Side Ladder Rack Down)
- Deck Gun Not Stowed
- Lt Tower Not Stowed (Light Tower Not Stowed)
- Fold Tank Not Stowed (Fold-A-Tank Not Stowed)
- Aerial Not Stowed (Aerial Device Not Stowed)
- Stabilizer Not Stowed
- Steps Not Stowed
- Handrail Not Stowed

Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause major damage to the apparatus if the apparatus is moved will be displayed as a caution message after the parking brake is disengaged.

SWITCH PANELS

The built-in switch panels will be located in the lower console or overhead console of the cab.

The switches will be rocker-type and include an integral indicator light. For quick, visual indication the switch will be illuminated whenever the switch is active. A 2-ply, scratch resistant laser engraved Gravoply label indicating the use of each switch will be placed below the switches. The label will allow light to pass through the letters for improved visibility in low light conditions. Switches and light source are integral to the switch panel assembly.

WIPER CONTROL

Wiper control will consist of a two (2)-speed windshield wiper control with intermittent feature and windshield washer controls. The control will be located in the left hand pod of the steering wheel.

CAB USB

There will be four (4) USB terminations with a combination USB type A & C, wired to battery direct power, and provided per the following:

- One (1) within reach of the driver
- One (1) within reach of the passenger
- Two (2) on the rear of the engine tunnel, one (1) each side.

Battery direct loads cannot be load managed.

SPARE CIRCUIT

There will be three (3) pair of wires, including a positive and a negative, installed on the apparatus.

The wires will have the following features:

- The positive wire will be connected directly to the battery switched power.
- The negative wire will be connected to ground.

- Wires will be capable of carrying 15 amps.
- Power and ground will terminate two (2) in LOC 14 (one centered/ one outboard) and one (1) flush mounted on passenger side rear vertical engine tunnel (high).
- Termination will be with 15 amp, power point plug with rubber cover.
- Wires will be protected to meet the NFPA Automotive Fire Apparatus standard.

The circuit(s) may be load managed when the parking brake is set.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The wires will have the following features:

- The positive wire will be connected directly to the battery switched power
- The negative wire will be connected to ground
- Wires will be capable of carrying 30 amps
- Power and ground will terminate one (1) behind the officers seat (next to the engine tunnel and one (1) in RS1 (right side wall, next to ceiling and the rear wall)
- Termination will be with a 10-place bus bar with screws and removable cover
- Wires will be protected to meet the NFPA Automotive Fire Apparatus standard

This circuit(s) may be load managed when the parking brake is set.

RADIO, AM/FM/WB/USB/BT /XM SAT

A APTIV HEAVY-DUTY AM/FM/USB/WB, Integrated SiriusXM Satellite, Bluetooth® and Bluetooth® mic will be installed per switch panel layout. There will be one (1) pair of 5.25" speakers in the cab and one (1) pair of 5.25" speakers in the crew cab. The Radio Antenna a roof-mounted rubber antenna located in an open space, on the cab roof.

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* - SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel - Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be easily stored in the radio memory for fast pairing) - FRONT PANEL USB PORT- gives a direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio - iPad® charging capability up to 2.1A - Back-lit Display Lighting - Switchable between RED or BLUE.

PUSH BUTTON MOUNTING BRACKET

A mounting bracket will be provided on the side of the engine tunnel, flush with the top of the tunnel and within easy reach for the officer when seated for the mounting of push button controls. The mounting bracket will be large enough for three (3) push buttons. The controls and labels will be mounted

horizontally, next to each other. The bracket will be fabricated from smooth aluminum and painted to match the cab interior.

INFORMATION CENTER

An information center employing a 7.00" diagonal touch screen color LCD display will be encased in an ABS plastic housing.

The information center will have the following specifications:

- Operate in temperatures from -40 to 158 degrees Fahrenheit
- LCD optically bonded to hardened AR glass lens
- Five weather resistant user interface switches
- Grey with black accents
- Sunlight Readable
- Linux operating system
- Minimum of 1000nits rated display
- Display can be changed to an available foreign language
- A LCD display integral to the cab gauge panel will be included as outlined in the cab instrumentation area.
- Programmed to read US Customary

General Screen Design

Where possible, background colors will be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background will be used.

If a caution or warning situation arises the following will occur:

- An amber background/text color will indicate a caution condition
- A red background/text color will indicate a warning condition
- The information center will utilize an "Alert Center" to display text messages for audible alarm tones. The text messages will be written to identify the item(s) causing the audible alarm to sound. If more than one (1) text message occurs, the messages will cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" will change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color will be shown for all alert center messages.
- A label for each button will exist. The label will indicate the function for each active button for each screen. Buttons that are not utilized on specific screens will have a button label with no text or symbol.

Home/Transit Screen

This screen will display the following:

- Vehicle Mitigation (if equipped)

- Water Level (if the water level system includes compatible communications to the information center)
- Foam Level (if the foam level system includes compatible communications to the information center)
- Seat Belt Monitoring Screen
- Tire Pressure Monitoring (if equipped)
- Digital Speedometer
- Active Alarms

On Scene Screen

This screen will display the following and will be auto activated with pump engaged (if equipped):

- Battery Voltage
- Fuel
- Oil Pressure
- Coolant Temperature
- RPM
- Water Level (if equipped)
- Foam Level (if equipped)
- Foam Concentration (if equipped)
- Water Flow Rate (if equipped)
- Water Used (if equipped)
- Active Alarms

Virtual Buttons

There will be four (4) virtual switch panel screens that match the overhead and lower lighting and HVAC switch panels.

Page Screen

The page screen will display the following and allow the user to progress into other screens for further functionality:

- Diagnostics
    - Faults
        - Listed by order of occurrence
        - Allows to sort by system
    - Interlock
        - Throttle Interlocks
        - Pump Interlocks (if equipped)
        - Aerial Interlocks (if equipped)
        - PTO Interlocks (if equipped)
    - Load Manager

        - A list of items to be load managed will be provided. The list will provide a description of the load.
        - The lower the priority numbers the earlier the device will be shed should a low voltage condition occur.
        - The screen will indicate if a load has been shed (disabled) or not shed.
        - "At a glance" color features are utilized on this screen.
    - Systems
        - Command Zone
            - Module type and ID number
            - Module Version
            - Input or output number
            - Circuit number connected to that input or output
            - Status of the input or output
            - Power and Constant Current module diagnostic information
        - Foam (if equipped)
        - Pressure Controller (if equipped)
        - Generator Frequency (if equipped)
    - Live Data
        - General Truck Data
- Maintenance
    - Engine oil and filter
    - Transmission oil and filter
    - Pump oil (if equipped)
    - Foam (if equipped)
    - Aerial (if equipped)
- Setup
    - Clock Setup
    - Date & Time
        - 12 or 24 hour format
        - Set time and date
    - Backlight
        - Daytime
        - Night time
        - Sensitivity
    - Unit Selection
    - Home Screen
    - Virtual Button Setup
    - On Scene Screen Setup
    - Configure Video Mode
        - Set Video Contrast
        - Set Video Color
        - Set Video Tint

- Do Not Move
    - The screen will indicate the approximate location and type of item that is open or is not stowed for travel. The actual status of the following devices will be indicated
        - Driver Side Cab Door
        - Passenger's Side Cab Door
        - Driver Side Crew Cab Door
        - Passenger's Side Crew Cab Door
        - Driver Side Body Doors
        - Passenger's Side Body Doors
        - Rear Body Door(s)
        - Ladder Rack (if applicable)
        - Deck Gun (if applicable)
        - Light Tower (if applicable)
        - Hatch Door (if applicable)
        - Stabilizers (if applicable)
        - Steps (if applicable)
- Notifications
    - View Active Alarms
        - Shows a list of all active alarms including date and time of the occurrence is shown with each alarm
        - Silence Alarms - All alarms are silenced
- Timer Screen
- HVAC (if equipped)
- Tire Information (if equipped)
- Ascendant Set Up Confirmation (if equipped)

Button functions and button labels may change with each screen.

COLLISION MITIGATION

There will be a HAAS Alert®, Model HA7 Responder-to-Vehicle (R2V) collision avoidance system provided on the apparatus. The HA7 cellular transponder module will be installed behind the cab windshield, as high and near to the center as practical, to allow clear visibility to the sky. The module dimensions are 5.40" long x 2.70" wide x 1.30" high, and operating temperature range is -40 degrees Celsius to 85 degrees Celsius.

The transponder will be connected to the vehicle's emergency master circuit and battery direct power and ground.

While responding with emergency lights on, the HA7 transponder sends alert messages via cellular network to motorists in the vicinity of the responding truck that are equipped with the WAZE app.

While on scene with emergency lights on, the HA7 transponder sends road hazard alerts to motorists in the vicinity of the truck that are equipped with the WAZE app.

The HA7 Responder-to-Vehicle (R2V) collision avoidance system will include the transponder and a 5 year cellular plan subscription.

Activation of the HAAS Alert system requires a representative of the customer to accept the End User License Agreement (EULA) via an on-line portal.

VEHICLE DATA RECORDER

There will be a vehicle data recorder (VDR) capable of reading and storing vehicle information provided.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A USB cable can be used to connect the VDR to a laptop to retrieve required information. The program to download the information from the VDR will be available to download on-line.

The vehicle data recorder will be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle
- ABS Event - On/Off
- Seat Occupied Status - Yes/No by Position
- Seat Belt Buckled Status - Yes/No by Position
- Master Optical Warning Device Switch - On/Off
- Internal clock syncs the time and date when a laptop is connected.

Seat Belt Monitoring System

A seat belt monitoring system (SBMS) will be provided on the Command Zone™ color display. The SBMS will be capable of monitoring up to 10 seating positions indicating the status of each seat position per the following:

- Seat Occupied & Buckled = Green LED indicator illuminated
- Seat Occupied & Unbuckled = Red LED indicator with audible alarm
- No Occupant & Buckled = Red LED indicator with audible alarm
- No Occupant & Unbuckled = No indicator and no alarm
- FAULT = Blue LED indicator illuminated

The seat belt monitoring screen will become active on the Command Zone color display when:

- The home screen is active:
    - and there is any occupant seated but not buckled or any belt buckled with an occupant.

- and there are no other Do Not Move Apparatus conditions present. As soon as all Do Not Move Apparatus conditions are cleared, the SBMS will be activated.

The SBMS will include an audible alarm that will warn that an unbuckled occupant condition exists and the parking brake is released, or the transmission is not in park.

INTERCOM SYSTEM

There will be digital, dual radio interface, intercom located overhead switch panel POS B in the cab. The front panel will have master volume, and squelch controls with illuminated indicators, allowing for independent level setting of radio and auxiliary audio devices.

There will be two (2) radio listen only / transmit controls, allowing for simulcast interoperability with select, monitor, receive, and transmit indicators. There will be two (2) auxiliary audio inputs with select, and receive indicators.

There will be one (1) wireless base station for up to five (1-5) headset users provided. The driver will use one (1) of the wireless positions. Wired headset jacks will be provided for the officer and two (2) crew positions, located at both forward facing seats.

The wireless base station will have a 100' to 1100' range, line of sight. Objects between the transmitter and receiver affect range.

The following Firecom components will be provided:

- One (1) 5200D Intercom
- One (1) WB505R wireless base station (1-5 wireless positions)
- Four (3) HM-10 Interior headset jacks
- All necessary power and station cabling

RADIO / INTERCOM INTERFACE CABLE

The apparatus manufacturer will supply and install two (2) radio interface cables before delivery of the vehicle.

The radio equipment to be used by the customer will be:

- Make of First Radio: Motorola Mid Power, Model Number: APX-4500.
- Make of Second Radio: BK Mid Power, Model Number: M150.

UNDER THE HELMET HEADSET, RADIO TRANSMIT

There will be one (1) Firecom™, Model UH-51, under helmet, radio transmit headset(s) provided officer seat.

Each headset will feature:

- Coiled cord with rugged angled plug
- Noise cancelling electric microphone

- Flex boom rotates for left or right dress
- Adjustable volume control
- ComLeather ear seals with 24 dB noise reduction
- Radio Push To Transmit button. Mic is always live for intercom communication

UNDER THE HELMET HEADSET, INTERCOM ONLY

There will be four (4) Firecom™, Model UH-54, under helmet, intercom only headset(s) with microphone on/off button provided driver's side outboard rear facing seat, driver's side inboard forward facing seat, passenger's side inboard forward facing seat and passenger's side outboard rear facing seat.

Each headset will feature:

- Coiled cord with rugged angled plug
- Noise cancelling electric microphone
- Flex boom for left or right dress
- Adjustable volume control
- ComLeather ear seals with 24 dB noise reduction

WIRELESS UNDER HELMET, RADIO TRANSMIT HEADSET

There will be one (1) Firecom™, Model UHW-505.V2, wireless under the helmet, radio transmit headset(s) provided. A heavy duty, coiled 12 volt charging pigtail with plug will be provided driver's seat.

Each headset will feature:

- Noise cancelling electric microphone
- Flexible microphone boom
- Ear seals with 20 dB noise reduction
- Stereo Listen-Through Ear dome microphones
- Radio Push To Transmit button (Left or Right Side)
- Rechargeable battery operates for 24 hours on a full charge
- IP-66 when worn

HEADSET HANGERS

There will be four (4) headset hanger(s) installed driver's seat, officer's seat, driver's side inboard forward facing seat and passenger's side inboard forward facing seat. The hanger(s) will meet the current edition of applicable NFPA and ULC standards for equipment mounting.

MICROPHONE CLIP

There will be two (2) magnetic radio microphone clip kits model MMSU-1 supplied and installed to be located by the customer at the final inspection.

INTERFACE EXTENSION CABLE

There will be two (2) Firecom, 108-0086-00, radio interface extension cable(s) routed to from the overhead to the lower dash up to 19.00' from the intercom.

PUSH-TO-TALK DASH SWITCH

There will be one (1) FireCom, DM-1, Push-To-Talk dash mounted switch(s) provided and located in the cab at in the three button bracket, located on the side of the engine tunnel. Button to the be rearward from the siren and air horn buttons.

PUSH-TO-TALK DASH SWITCH

There will be one (1) FireCom, DM-1, Push-To-Talk dash mounted switch(s) provided and located in the cab at in the forward recessed pocket in the driver side arm rest bracket. The Push To Talk switch(s) will be connected to the wireless base station.

RADIO ANTENNA MOUNT

There will be two (2) standard 1.125", 18 thread antenna-mounting base(s) installed one (1) on the driver side and one (1) on the passenger side, 12.00" inboard from the cab side, behind the lightbar and next to the transition point from the lower cab roof to the raised roof on the cab roof with high efficiency, low loss, coaxial cable(s) routed to the radio box. A weatherproof cap will be installed on the mount.

VEHICLE CAMERA SYSTEM

There will be a color vehicle camera system provided with the following:

- One (1) Analog High Definition (AHD) camera located on the right side of the apparatus, pointing rearward, displayed automatically with the right side turn signal.
- One (1) AHD, white camera located at the rear of the apparatus, pointing rearward, displayed automatically with the vehicle in reverse.

The camera images will be displayed on the left side vehicle information center display. Audio from the microphone on the rear camera will be emitted by an amplified speaker with volume control in the blank panel to the left of the streering column.

The following components will be included:

- One (1) 1080P Rear Camera
- One (1) 1080P Side Cameras
- All necessary cables

Camera Switcher

There will be one (1), HMU318 HD Image Processor multiplexer, 4 channel camera video switcher with remote control provided to allow single, dual, triplex, quad, trefoil, Y split and PIP view display modes on the vehicle information center display provided. The switcher will have one (1) CVBS, Composite

Video Blanking and Sync, standard Definition video output and one (1) AHD, Analog High Definition video output for High Definition cameras.

RECESS REAR CAMERA

A rear camera recess will be provided in the center at the rear.

ELECTRICAL POWER CONTROL SYSTEM

The primary power distribution will be located forward of the officer's seating position and be easily accessible while standing on the ground for simplified maintenance and troubleshooting. Additional electrical distribution centers will be provided throughout the vehicle to house the vehicle's electrical power, circuit protection, and control components. The electrical distribution centers will be located strategically throughout the vehicle to minimize wire length. For ease of maintenance, all electrical distribution centers will be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays will be easily accessible.

Distribution centers located throughout the vehicle will contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership.

Circuit protection devices, which conform to SAE standards, will be utilized to protect electrical circuits. All circuit protection devices will be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers will be Type-I automatic reset (continuously resetting). When required, automotive type fuses will be utilized to protect electronic equipment. Control relays and solenoid will have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

Solid-State Control System

A solid-state electronics based control system will be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network will consist of electronic modules, electronic control modules to include black housings, a power indicator and status indicator located near their point of use to reduce harness lengths and improve reliability. The control system will comply with SAE J1939-11 recommended practices.

The control system will operate as a master-slave system whereas the main control module instructs all other system components. The system will contain patented Mission Critical software that maintains critical vehicle operations in the unlikely event of a main controller error. The system will utilize a Real Time Operating System (RTOS) fully compliant with OSEK/VDX™ specifications providing a lower cost of ownership.

For increased reliability and simplified use the control system modules will include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic

- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field programmable to accommodate changes to the vehicle's operating parameters

To assure long life and operation in a broad range of environmental conditions, the solid-state control system modules will meet the following specifications:

- Module circuit board will meet SAE J771 specifications
- Operating temperature from -40 degrees Celsius to +70 degrees Celsius (-40 degrees Fahrenheit to +158 degrees Fahrenheit)
- Storage temperature from -40 degrees Celsius to +70 degrees Celsius (-40 degrees Fahrenheit to +158 degrees Fahrenheit)
- Vibration to 50g
- IP67 rated enclosure (Totally protected against dust and also protected against the effect of temporary immersion between 15 centimeters and one (1) meter)
- Operating voltage from eight (8) volts to 32 volts DC

The main controller will activate status indicators and audible alarms designed to provide warning of problems before they become critical.

Circuit Protection and Control Diagram

Copies of all job-specific, computer network input and output (I/O) connections will be provided with each chassis. The sheets will indicate the function of each module connection point, circuit protection information (where applicable), wire numbers, wire colors and load management information.

On-Board Electrical System Diagnostics

The on-board information center will include the following diagnostic information:

- Text description of active warning or caution alarms
- Simplified warning indicators
- Amber caution indication with intermittent alarm
- Red warning indication with steady tone alarm

Advanced diagnostic feature will be provided in this control system. From the Command Zone display or connected wireless device, these features allow the user to monitor the real-time status of every input or output on the vehicle. It also allows users logged in as an administrator to force on inputs or outputs to assist the troubleshooting process.

TCU Module with WiFi

An in cab module will provide WiFi wireless interface and data logging capability. The WiFi interface will comply with IEEE 802.11 b/g/n capabilities while communicating at 2.4 Gigahertz. The module will

communicate through a white WiFi antenna allowing a line of site communication range of up to 300 feet with a roof mounted antenna.

The module will transmit a password protected web page to a WiFi enabled device (i.e. most smart phones, tablets or laptops) allowing two levels of user interaction. The firefighter level will allow vehicle monitoring of the vehicle and firefighting systems on the apparatus. The technician level will allow diagnostic access to inputs and outputs installed on the Command Zone™, control and information system.

The TCU capability will record faults from the engine, transmission, ABS and Command Zone™, control and information systems as they occur. No other data will be recorded at the time the fault occurs. The data TCU will provide up to 2 Gigabytes of data storage.

The TCU will provide a means to download the TCU information and update software in the device.

Indicator Light and Alarm Prove-Out System
A system will be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.

Voltage Monitor System
A voltage monitoring system will be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system will provide visual and audible warning when the system voltage is below or above optimum levels.

The alarm will activate if the system falls below 11.8 volts DC for more than two (2) minutes.

Dedicated Radio Equipment Connection Points
There will be three (3) studs provided in the primary power distribution center located in front of the officer for two-way radio equipment. The studs will consist of the following:

- 12-volt 40-amp battery switched power
- 12-volt 60-amp ignition switched power
- 12-volt 60-amp direct battery power

There will also be a 12-volt 100-amp ground stud located in or adjacent to the power distribution center.

EMI/RFI Protection
To prevent erroneous signals from crosstalk contamination and interference, the electrical system will meet, at a minimum, SAE J551/2, thus reducing undesired electromagnetic and radio frequency emissions. An advanced electrical system will be used to ensure radiated and conducted electromagnetic interference (EMI) or radio frequency interference (RFI) emissions are suppressed at their source.

The apparatus will have the ability to operate in the electromagnetic environment typically found in fire ground operations to ensure clean operations. The electrical system will meet, without exceptions, electromagnetic susceptibility conforming to SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to

100 Volts/Meter. The vehicle OEM, upon request, will provide EMC testing reports from testing conducted on an entire apparatus and will certify that the vehicle meets SAE J551/2 and SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter requirements. Component and partial (incomplete) vehicle testing is not adequate as overall vehicle design can impact test results and thus is not acceptable by itself.

EMI/RFI susceptibility will be controlled by applying appropriate circuit designs and shielding. The electrical system will be designed for full compatibility with low-level control signals and high-powered two-way radio communication systems. Harness and cable routing will be given careful attention to minimize the potential for conducting and radiated EMI/RFI susceptibility.

ELECTRICAL SYSTEM PROGNOSTICS

There will be a software based vehicle tool provided to predict remaining life of the vehicles critical fluid and events.

The system will send automatic indications to the Command Zone™ information center and/or wireless enabled devices to proactively alert of upcoming service intervals.

Prognostics will include the following:

- Engine oil and filter
- Transmission oil and filter

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers will be provided which conform to SAE Standards. Wiring will be color, function and number coded. Function and number codes will be continuously imprinted on all wiring harness conductors at 2.00" intervals. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment will be installed utilizing the following guidelines:

1. All holes made in the roof will be caulked with silicon. Large fender washers, liberally caulked, will be used when fastening equipment to the underside of the cab roof.
2. Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area will be defined as any location outside of the cab or body.
3. Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire will be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.

4. Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).
5. All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas will have silicon applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests will be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

There will be six (6) 12 volt Stryten/Exide®, Model 31S950X3W, batteries that include the following features will be provided:

- 950 CCA, cold cranking amps
- 190 amp reserve capacity
- High cycle
- Group 31
- Rating of 5700 CCA at 0 degrees Fahrenheit
- 1140 minutes of reserve capacity
- Threaded stainless steel studs

Each battery case will be a black polypropylene material with a vertically ribbed container for increased vibration resistance. The cover will be manifold vented with a central venting location to allow a 45 degree tilt capacity.

The inside of each battery will consist of a "maintenance free" grid construction with poly wrapped separators and a flooded epoxy bottom anchoring for maximum vibration resistance.

BATTERY SYSTEM

There will be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.

MASTER BATTERY SWITCH

There will be a Kissling, red master battery switch provided within the cab within easy reach of the driver to activate the battery system.

An indicator light will be provided on the instrument panel to notify the driver of the status of the battery system.

BATTERY COMPARTMENTS

Batteries will be placed on non-corrosive mats and be stored in well ventilated compartments located under the cab and bolted directly to the chassis frame. The battery boxes will have reinforced sides. The battery compartments will be constructed of 0.188" steel plate and be designed to accommodate a maximum of three (3) group 31 batteries in each compartment. The battery hold-downs will be of a non-corrosive material. All bolts and nuts will be stainless steel.

Heavy-duty, 2/0 gauge, color coded battery cables will be provided. Battery terminal connections will be coated with anti-corrosion compound.

Battery solenoid terminal connections will be encapsulated with semi-permanent rubberized compound.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color-coded covers will be included on the battery compartments.

BATTERY CHARGER

There will be a Kussmaul™, Chief Series Smart Charger 6012, product code 091-266-12-60, 60 amp battery charger with build-in touch screen display provided.

The battery charger will be wired to the AC shoreline inlet through a junction box located near the battery charger.

The battery charger will be located in the cab behind the driver seat.

REMOTE CONTROL PANEL - BATTERY CHARGER

There will be a Kussmaul™, Chief Series Smart Charger remote control panel, product code 091-266-RCP included.

The battery charger indicator will be located on the driver's seat riser.

INVERTER

There will be a Xantrex Model 817-1000, 1000W, 12 volt DC to 120 volt AC inverter with a built in LCD display, on/off switch and internal 30A transfer relay provided.

A master on/off switch will be located on the inverter.

The inverter will be connected directly to the batteries through proper fusing and also to shoreline AC power.

When the shoreline is connected to the truck, the internal auto transfer switch will allow AC shoreline power to pass through the inverter to the AC loads connected to the inverter.

This inverter will be rated at 750 watts to meet NFPA requirements.

INVERTER LOCATION

The inverter will be installed in the cab behind the driver seat.

AUTO EJECT FOR SHORELINE

There will be one (1) Kussmaul™, Model 091-55-20-120, 20 amp 120 volt AC shoreline inlet(s) provided to operate the dedicated 120 volt AC circuits on the apparatus.

The shoreline inlet(s) will include red weatherproof flip up cover(s).

There will be a release solenoid wired to the vehicle's starter to eject the AC connector when the engine is starting.

The shoreline(s) will be connected to the battery charger.

There will be a mating connector body supplied with the loose equipment.

There will be a label installed near the inlet(s) that state the following:

- Line Voltage
- Current Ratting (amps)
- Phase
- Frequency

The shoreline receptacle will be located on the driver's side cab step well area as far rearward as practical.

ALTERNATOR

A Delco Remy®, Model 55SI, alternator will be provided. It will have a rated output current of 430 amps, as measured by SAE method J56. The alternator will feature an integral regulator and rectifier system that has been tested and qualified to an ambient temperature of 257 degrees Fahrenheit (125 degrees Celsius). The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system will be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components will not be allowed.

The system will include the following features:

- System voltage monitoring.
- A shed load will remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.
- Priority levels can be set for individual outputs.
- High Idle to activate before any electric loads are shed and deactivate with the service brake.
    - If enabled:
        - "Load Man Hi-Idle On" will display on the information center.
        - Hi-Idle will not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center, where applicable, includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
    - ON = not shed
    - SHED = shed

SEQUENCER

A sequencer will be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges. This sequencer operation will allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

For improved reliability and ease of use, the load sequencing system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load sequencing tasks. Load sequencing systems which require additional components will not be allowed.

Emergency light sequencing will operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights will be activated one by one at half-second intervals. Sequenced emergency light switch indicators will flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer will deactivate the warning light loads in the reverse order.

Sequencing of the following items will also occur, in conjunction with the ignition switch, at half-second intervals:

- Cab Heater and Air Conditioning
- Crew Cab Heater (if applicable)
- Crew Cab Air Conditioning (if applicable)
- Exhaust Fans (if applicable)
- Third Evaporator (if applicable)

HEADLIGHTS WITH HALO FLASH

There will be a HiViz part number FT-4X6-4KIT, that includes four (4) 4.00" high x 6.00" long rectangular LED lights with "Halo" parking lamp illumination around the outside of the lamps mounted in the front quad style housing. The headlights to include chrome bezels on each side of the cab grille:

- the outside lamp on each side will contain a part number FT-4X6-HL with low beam LEDs
- the inside lamp on each side will contain a part number FT-4X6-H with high beam LEDs
- the "Halo" around the headlights will be controlled by the headlight/parking light switch
- the lights will be controlled through the headlight switch

The "Halo" around the headlights will flash alternately from driver side to passenger side when emergency master switch is on, a "Halo Flash" switch in the cab is on, and the parking brake is released.

DIRECTIONAL LIGHTS

There will be two (2) Whelen® 600 series, amber LED combination directional/marker lights provided. The lights will be located next to the headlights in a triple light wrap around bezel, with chrome trim on the outside cab corners, one each side.

The lens color(s) to be clear.

INTERMEDIATE LIGHT

There will be two (2) Weldon, Model 9186-8580-29, amber LED turn signal marker lights furnished, one (1) each side, in the rear fender panel. The light will double as a turn signal and marker light.

CAB CLEARANCE/MARKER/ID LIGHTS

There will be two (2) Truck-Lite Model 33050Y, lights with amber LEDs, amber lenses, and rubber grommet provided to indicate the presence and overall length of the vehicle in the following locations:

- Two (2) lights installed as front side clearance lights will be installed, one (1) on each side above the cab doors.

The lights will be wired to the running lights of the vehicle.

All other forward facing clearance lights will be included with the visor scene light.

FRONT CAB SIDE DIRECTIONAL/MARKER LIGHTS

There will be two (2) Truck-Lite®, Model 19036Y, amber LED lights installed to the outside of the chrome wrap around bezel, one (1) on each side of the cab.

The lights will activate as marker lights with the headlight switch and directional lights with the corresponding directional circuit.

REAR CLEARANCE/MARKER/ID LIGHTING

There will be three (3) Truck-Lite®, Model 33050R, LED lights used as identification lights recessed and located at the rear of the apparatus per the following:

- As close as practical to the vertical centerline
- Centers spaced not less than 6.00" or more than 12.00" apart
- Red in color
- All at the same height

There will be two (2) Truck-Lite, Model 33050R, LED lights recessed at the rear of the apparatus used as clearance lights located at the rear of the apparatus per the following:

- To indicate the overall width of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the rear
- All at the same height

There will be two (2) Truck-Lite, Model 33050R, LED lights recessed on the side of the apparatus as marker lights as close to the rear as practical per the following:

- To indicate the overall length of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the side
- All at the same height

There will be two (2) red reflectors located on the rear of the truck facing to the rear. One (1) each side, as far to the outside as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

There will be two (2) red reflectors located on the side of the truck facing to the side. One (1) each side, as far to the rear as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

Per FMVSS 108 and CMVSS 108 requirements.

REAR FMVSS LIGHTING

The rear stop/tail and directional lighting included in the rear tail light housing will include the following:

- Two (2) Whelen®, Model M62BTT, 4.30" high x 6.70" wide x 1.40" deep brake/tail lights with red LEDs
- Two (2) Whelen, Model M62T, 4.30" high x 6.70" wide x 1.40" deep directional lights with amber LEDs. The directional lights will be set to Steady On (Arrow) flash pattern.
- The lens color(s) to be the same as the LEDs.

There will be two (2) Whelen Model M62BU, LED backup lights provided in the tail light housing.

LICENSE PLATE BRACKET

One (1) license plate bracket constructed of stainless steel will be provided at the rear of the apparatus.

One (1) white LED light with chrome housing will be provided to illuminate the license plate. A stainless steel light shield will be provided over the light that will direct illumination downward, preventing white light to the rear.

LIGHTING BEZEL

There will be two (2) Whelen, Model M6FCV4P, four (4) place chromed ABS housings with Pierce logos provided for the rear M6 series stop/tail, directional, back up, scene lights or warning lights.

BACK-UP ALARM

An ECCO, Model 505, solid state electronic audible back-up alarm that actuates when the truck is shifted into reverse will be provided. The device will sound at 60 pulses per minute at a constant 87db.

WARNING LIGHT FLASH PATTERN

The flash pattern of all the exterior warning lights will be set to meet the certified California, Title XIII flash pattern by either the light manufacturer's default flash pattern or by a conversion change to the certified flash pattern.

CAB PERIMETER SCENE LIGHTS

There will be four (4) TecNiq, Model T10-LC00-1, 15.00" lights with white LEDs and 45 degree stainless steel brackets provided per the following:

- one (1) under the driver's side cab access step
- one (1) under the passenger's side cab access step
- one (1) under the passenger's side crew cab access step
- one (1) under the driver's side crew cab access step

The lights will be activated when the battery switch is on, when the respective door is open and by the same control selected for the body perimeter lights.

PUMP HOUSE PERIMETER LIGHTS

There will be two (2) TecNiq, Model T10-LC00-1, 15.00" white 12 volt DC LED weatherproof strip lights provided under the pump panel running boards, one (1) each side.

The lights will be controlled by the same means as the body perimeter lights.

BODY PERIMETER SCENE LIGHTS

There will be two (2) TecNiq, Model T10-LC00-1, 15.00" 12 volt DC LED strip lights provided at the rear step area of the body, one (1) each side shining to the rear. The lights to be moved forward under the step for angle of approach protection.

The perimeter scene lights will be activated when a switch within reach of the driver is activated and the parking brake is applied.

ENHANCED SOFTWARE FOR PERIMETER LIGHTS

All perimeter lights will be deactivated when the parking brake is released unless alternate control is selected.

The cab and crew cab perimeter lights will remain on for ten (10) seconds for improved visibility after the doors closed.

STEP LIGHTS

There will be four (4) white LED step lights provided at the rear to illuminate the tailboard/step area.

These step lights will be actuated with the perimeter scene lights.

All other steps on the apparatus will be illuminated per the current edition of applicable NFPA standards.

SCENE LIGHT, MOUNTING PEDESTAL

An aluminum treadplate housing will be installed high above the hosebed placed BEHIND the alum. HB cover rear cross frame and to be flush with the top surface of the cover for the mounting of a scene light.

12 VOLT LIGHTING

There will be a Whelen® Model S72M**, 72.00" long 32,400 lumens DC powered light provided on the front cab roof as far forward as practical. The painted parts of this light assembly to be white.

The light will include the following:

- White scene LEDs
- Two (2) amber LED modules as clearance lights
- Three (3) amber LED modules as identification lights
- Four (4) additional LED modules. The additional modules to be four (4) scene light modules with white LEDs

The clearance and identification LEDs will be activated with the headlight switch.

The scene LEDs will be activated when the battery switch is on and by a switch at the driver's side switch panel, by a switch at the left side pump panel and by a switch at the passenger's side switch panel.

There will be a switch in the cab on the switch panel to control the flashing or spot LED modules.

Amber flashing LED modules will be deactivated when the parking brake is released.

The white scene and flashing LED modules may be load managed when the parking brake is applied.

12 VOLT DC SCENE LIGHTS

There will be one (1) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC powered light(s) with white LEDs installed on the cab located, behind the PS cab door.

The surface mount housing(s) will be provided with a chrome cover.

The light(s) will be activated by a switch at the driver's side switch panel, by a switch at the left side pump panel and by a switch at the passenger's side switch panel.

The light(s) may be load managed when the parking brake is applied.

12 VOLT DC SCENE LIGHTS

There will be one (1) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC powered light(s) with white LEDs installed on the cab located, behind the DS cab door.

The surface mount housing(s) will be provided with a chrome cover.

The light(s) will be activated by a switch at the driver's side switch panel, by a switch at the left side pump panel and by a switch at the passenger's side switch panel.

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be one (1) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC surface mount light(s) installed on the body of the apparatus located, above the RS1 compartment.

The light(s) will include housing(s) with a chrome cover.

The light(s) will be controlled by the same control that has been selected for the passenger's side scene light(s).

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be one (1) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC surface mount light(s) installed on the body of the apparatus located, above the LS1 compartment.

The light(s) will include housing(s) with a chrome cover.

The light(s) will be controlled by the same control that has been selected for the driver's side scene light(s).

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING, REAR BODY

There will be one (1) Whelen® Model S30M**, 12,960 lumens 30.00" 12 volt DC powered white LED light bar(s) provided recessed at the rear of the apparatus located recessed in the hosebed crosstube.

The lightbar will be painted parts to be white.

The light(s) will include the following:

- Six (6) scene light modules with white LEDs
- Three (3) amber LEDs as marker lights that are not activated at any time.
- Two (2) additional LED modules. The additional modules to be two (2) scene light modules with white LEDs.

The lights will be activated per the following:

- The lights will be controlled when the battery switch is on and by a switch at the driver's side switch panel, by a switch at the passenger's side switch panel, by a switch at the driver's side pump panel and by a stainless steel cup switch at the driver's side rear bulkhead.
- There will be a switch in the cab on the switch panel to control the flashing warning LED modules when selected.
- The light(s) may be load managed when the parking brake is applied.

HOSE BED LIGHTS

There will be four (4) Whelen®, part number 01-066D068-00, 1.87" white 12 volt DC LED lights provided to illuminate the hose bed area.

- One (1) light will be installed on the driver's side of the hose bed 24.00" from the front and as high as practical.
- One (1) light will be installed on the passenger's side of the hose bed, as high as practical and evenly spaced between both lights installed on the driver's side of the hose bed.
- One (1) light will be installed on the driver's side of the hose bed, as high as practical and evenly spaced between both lights installed on the passenger's side of the hose bed.
- One (1) light will be installed on the passenger's side of the hose bed 36.00" from the end and as high as practical. This light will also be angled into the hose bed 30 degrees to keep much of the light from shining into ground personals eyes.

The lights will be activated when the hosebed cover is raised.

REAR SCENE LIGHTS

There will be two (2) Whelen, Model PEL*C, white 12 volt DC LED scene lights with 45 degree chrome housing installed at the rear of the apparatus, approximately 24.00" above the tailboard, one (1) each side of the B1 compartment. See AD print.

The lights will be controlled from the other rear scene light control.

WALKING SURFACE LIGHT

There will be eight (8) P25 12 volt DC LED lights with chrome housing provided on the hose bed cover to illuminate the walking surface. The lights will be located near the hose bed cover hinges evenly spaced four (4) on each side. The lights will be activated when the body step lights are on.

DNMT / DOOR OPEN OVERRIDE SWITCH

There will be a momentary switch labeled "REAR DOOR OVERRIDE" in the cab located in switch panel #9. When the park brake is released and the switch is activated, the rear B1 compartment will not activate the DNMT / Door Open circuit.

When the park brake is set, the rear B1 compartment door "REAR DOOR OVERRIDE" will be default to off.

WATER TANK

Booster tank will have a capacity of 750 gallons and be constructed of UV stabilized ultra high impact polypropylene plastic by a manufacturer with a minimum of 20 years experience building tanks, is ISO 9001:2000 certified in all its manufacturing facilities, and has over 50,000 tanks in service.

The booster tank will be a form-fitting design that serves to keep the tank height as low as possible. The tank will be no wider than 39.00" at the base to allow for greater compartment depth and no wider than 53.00" at the top.

Tank joints and seams will be nitrogen welded inside and out.

Tank will be baffled in accordance with the current edition of applicable NFPA standards.

Baffles will have vent openings at both the top and bottom to permit movement of air and water between compartments.

Longitudinal partitions will be constructed of .38" polypropylene plastic and will extend from the bottom of the tank through the top cover to allow for positive welding.

Transverse partitions will extend from 4.00" off the bottom of the tank to the underside of the top cover.

All partitions will interlock and will be welded to the tank bottom and sides.

Tank top will be constructed of .50" polypropylene. It will be recessed .38" and will be welded to the tank sides and the longitudinal partitions.

Tank top will be sufficiently supported to keep it rigid during fast filling conditions.

Construction will include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels will be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.

A sump that will be sized dependent on the tank to pump plumbing will be provided at the bottom of the water tank.

Sump will include a drain plug and the tank outlet.

Tank will be installed in a fabricated cradle assembly constructed of structural steel.

Sufficient crossmembers will be provided to properly support bottom of tank. Crossmembers will be constructed of steel bar channel or rectangular tubing.

Tank will "float" in cradle to avoid torsional stress caused by chassis frame flexing. Rubber cushions, .50" thick x 3.00" wide, will be placed on all horizontal surfaces that the tank rests on.

Stops or other provision will be provided to prevent an empty tank from bouncing excessively while moving vehicle.

Mounting system will be approved by the tank manufacturer.

Fill tower will be constructed of 0.50" polypropylene and will be a minimum of 8.00" wide x 14.00" long.

Fill tower will be furnished with a 0.25" thick polypropylene screen and a hinged cover.

An overflow pipe, constructed of 4.00" schedule 40 polypropylene, will be installed approximately halfway down the fill tower and extend through the water tank and exit to the rear of the rear axle.

SLEEVE PLUMBING THROUGH TANK

Two (2) sleeves will be provided in the water tank for a 2.50" pipe and a 1.00" hose for booster reel to the rear.

DIRECT TANK FILL

There will be one (1) 2.50" Fireman's Friend Inc., Model FFE 2525 CF8M-F semi-automatic tank fill(s) installed and properly labeled at the rear of the water tank, located left side and installed as high as possible.

A 2.50" (F)NST chrome swivel will be located at the inlet.

A 2.50" chrome plated 30 degree elbow and plug with VLH automatic pressure relieving thread technology will be provided for the tank fill.

BODY HEIGHT

The height of the body will be 92.00" from the bottom of the body to the top of the body.

HOSE BED

The hose bed will be fabricated of .125"-5052 aluminum with a nominal 38,000 psi tensile strength.

Flooring of the hose bed will be removable aluminum grating with the top surface corrugated to aid in hose aeration. The grating slats will be a minimum of 0.50" x 4.50" with spacing between slats for hose ventilation.

The hose bed walls will be unpainted.

Hose bed will accommodate the following: Hosebed #1 = 200' of 1.75" DJ hose, Hosebed #2 = 500' of 3.00" DJ hose, Hosebed #3 = 1000' of 5.00" DJ hose, Hosebed #4 =200' of 2.25" DJ hose.

HOSE BED DIVIDER

Two (2) hosebed dividers will be furnished for separating hose.

Each divider will be constructed of a 0.25" brushed aluminum sheet. Flat surfaces will be sanded for uniform appearance or constructed of brushed aluminum.

Divider will be fully adjustable by sliding in tracks, located at the front and rear of the hose bed.

Divider will be held in place by tightening bolts, at each end.

Acorn nuts will be installed on all bolts in the hose bed which have exposed threads.

HOSE BED COVER

A two (2) section hose bed cover, constructed of .125" bright aluminum treadplate will be furnished. The cover will be hinged with full length stainless steel piano hinge. The sides will be flat. The cover will be reinforced to support the weight of a man walking on it. A center support, front to back, will not be required. A stationary bridgework support will be provided at the rear to support the cover.

If access to water tank fill tower is blocked by the hose bed cover, then a hinged door will be provided in it so that tank may be filled without raising cover doors.

Chrome grab handles and two (2) gas filled cylinders will be provided to assist in opening and closing the cover. Two (2) rubber latches will be provided to hold the cover in the stowed position. A handrail will be provided at the rear.

The hose bed cover will be connected to the Do Not Move Truck indicator. The light will be activated if the cover is not in the stowed position and the parking brake is released.

HOSE RESTRAINT REAR

At the rear of the hose bed, a black vinyl flap will be provided. The vinyl flap will be split into three sections one at the divider between hosebed 1 and 2 and one at the divider between hosebed 2 and 3. The vinyl flap will be provided with hook and loop between each section. The top of the vinyl flap will be attached to the top of the hosebed with seat belt buckles. The seat belt buckles will be provided with no tether release. The vinyl flap will be provided with hook and loop between each section. The bottom of the flap will be chain weighted.

If a strap is provided, the color of the strap will be N/A.

The right side body side sheet will be lowered to clear the special height ladder rack. The front body sheet will be notched to clear the ladder rack.

There will be one (1) additional hose bed dividers provided.

Each divider will be constructed of brushed aluminum and painted job color. The divider will be "box" style and reinforced in order to support a hosebed cover or handrail mounting.

Divider(s) will not be, adjustable. They will be bolted permanently into the hosebed.

Divider(s) will be located at the transition point between hosebed #2 and hosebed #3.

The right side hose bed side sheet will be moved inboard 14.00".

HOSE BED COVER - UNDER LADDER RACK

A one (1) section hose bed cover, constructed of .125" bright aluminum treadplate will be furnished.

This section will only cover the area below the hydraulic ladder rack on the right side of the hose bed. The rack will need to be moved out of its nested position in order to open this cover.

The cover will be hinged with full length stainless steel piano hinge. The inside will be supported by a permanent hose bed divider defined elsewhere in this proposal.

When in the closed position, the cover will be flat across the top to allow the ladder rack to nest in the lowest practical position and height.

The cover will be reinforced so that it can support the weight of a person walking on the cover.

A chrome grab handle and gas filled cylinder will be provided to assist in opening and closing the cover.

This cover will be included in the "Do Not Move Truck" circuit to provide an alert when open.

RUNNING BOARDS

A running board will be provided on each side of the front body to allow access to the backboard/crosslay storage area. The running boards will be designed with a grip pattern punched into .125" bright aluminum treadplate material providing support, slip resistance, and drainage.

The runningboard will have a flip out section design that allows easier access to the full width equipment area above. The flip out section will be tied to the "do not move truck indicator" with a sensor when it is flipped out. There will be a latch provided that secures the flip out section when not in use.

TAILBOARD

The tailboard will be constructed of .125" bright aluminum treadplate and spaced .50" from the body, as well as supported by a structural steel assembly.

The tailboard area will be 12.00" deep and full width of the body. The outboard sides of the tailboard will be angled at 45 degrees beginning at the point where the body meets the tailboard at the outboard edge angling rearward to the rear edge of the tailboard.

The exterior side will be flanged down and in for increased rigidity of tailboard structure.

REAR WALL, BODY MATERIAL, PUC

The rear wall will be smooth and the same material as the body.

The rear wall body material will be painted. Unpainted aluminum overlays will be provided to allow for chevron application and to provide continuously smooth rear wall panels.

The outboard edges of the rear wall will be trimmed in polished stainless steel.

TOW BAR

A tow bar will be installed under the tailboard at center of truck.

Tow bar will be fabricated of 1.00" CRS bar rolled into a 3.00" radius.

Tow bar assembly will be constructed of .38" structural angle. When force is applied to the bar, it will be transmitted to the frame rail.

Tow bar assembly will be designed and positioned to allow up to a 30-degree upward angled pull of 17,000 lb, or a 20,000 lb straight horizontal pull in line with the centerline of the vehicle.

Tow bar design will have been fully tested and evaluated using strain gauge testing and finite element analysis techniques.

COMPARTMENTATION

The apparatus body will be built of aluminum construction using a minimum of 0.125" thick, 5052-H32 aluminum.

The body panel assembly will be constructed in a fixture and consist of formed sheet metal for the front and rear bulkheads, door frames, floors, ceilings, and back walls. These parts will be welded together to ensure greatest longevity with no visible welds in compartment interior.

Welded construction will consist of 1.00" x 0.38" engineered plug weld holes that control the size, location, and the amount of weld required. The bodies will be assembled and welded from engineered prints that call out the size, location, and type of weld required.

In structural areas the sheet metal components will have flanges for welding. No butt joints will be allowed. Gussets and support posts will be provided for additional strength where needed.

The fender panel will be an integral part of the complete welded body assembly. All light and compartment holes are pre punched prior to construction to provide accuracy and rounded corners to prevent stress risers in the material.

Circular fender liners will be provided. For prevention of paint chips and ease of suspension maintenance the fender liners will be formed from brush finished 304L stainless steel, be unpainted, and removable for suspension maintenance.

Side compartment flooring will be of the sweep out design with the floor minimum of 1.00" higher than the compartment door lip.

Drip protection will be provided above the doors by means of aluminum extrusion, or formed bright aluminum treadplate.

The top of the compartment will be sheet metal and covered with bright aluminum treadplate rolled over the edges on the front, and rear. These covers will have the corners welded.

The aluminum treadplate covers will not make up the ceiling of the compartment.

All screws and bolts, which are not Grade 8, will be stainless steel and where they protrude into a compartment will have acorn nuts on the ends to prevent injury.

UNDERBODY SUPPORT SYSTEM

Due to the severe loading requirements of this pumper a method of body and compartment support suitable for the intended load will be provided.

The backbone of the body support system will begin with the chassis frame rails which is the strongest component of the chassis and is designed for sustaining maximum loads. The support system will include lateral frame rail extensions that are formed from 0.375" 80k high strength steel and bolted to the chassis frame rails with 0.625" diameter Grade 8 bolts.

The vertical and horizontal members of the frame rail extensions are to be reinforced with welded gussets and extend to the outside edge of the body. The lateral frame extensions will be electro-coated for superior corrosion resistance.

The floating substructure will be separated from the lateral frame extensions with neoprene elastomer isolators. These isolators will reduce the natural flex stress of the chassis from being transmitted to the body, and absorb road shock and vibration.

The isolators will have a broad load range, proven viability in vehicular applications, be of a fail safe design and allow for all necessary movement in three (3) transitional and rotational modes.

The neoprene isolators will be installed in a modified V three (3)-point mounting pattern to reduce the natural flex of the chassis being transmitted to the body. Two (2) 3.50" diameter isolators are provided

at the front of the body near the centerline of the vehicle above the chassis frame. A minimum of eight (8) - 2.55" diameter isolators will be provided, two (2) under each front compartment and two (2) under each rear side compartment. A minimum of four (4) 3.50" diameter isolators will be provided under the rear compartment.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas will comply with the required average slip resistance of the current NFPA standards. Documentation of the material meeting the standard will be provided at time of delivery.

LOUVERS

All body compartments will have a minimum of one (1) set of automotive style, dust resistant louvers pressed into a wall. The louvers will incorporate a one (1)-way rubber valve that provides airflow out of the compartment and prevents water and dirt from gaining access to the compartment. Compartments over the wheel will not have louvers.

TESTING OF BODY DESIGN

Body structural analysis will be fully tested. Proven engineering and test techniques such as finite element analysis and strain gauging have been performed with special attention given to fatigue life and structural integrity of the body and substructure.

The body will be tested while loaded to its greatest in-service weight.

The criteria used during the testing procedure will include:

- Raising opposite corners of the vehicle tires 9.00" to simulate the twisting a truck may experience when driving over a curb.
- Making a 90 degree turn, while driving at 20 mph to simulate aggressive driving conditions.
- Driving the vehicle on at 35 mph on a washboard road.
- Driving the vehicle at 55 mph on a smooth road.
- Accelerating the vehicle fully, until reaching the approximate speed of 45 mph on rough pavement.

Evidence of the actual testing techniques will be made available upon request.

FEA will have been performed on all substructure components.

LEFT SIDE COMPARTMENTATION

A full height, roll-up door compartment ahead of the rear wheels will be provided.The pump operator's panel will be located in this compartment. The partition to the right of the pump operator's panel will be 2.50" in width. The interior dimensions of this compartment will be 62.00" wide x 53.50" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The compartment interior will be fully open from the compartment ceiling to the compartment floor and

designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment will be 59.00" wide x 53.50" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

A roll-up door compartment over the rear wheels will be provided. The interior dimensions of this compartment will be 60.00" wide x 22.75" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The clear door opening of this compartment will be 57.00" wide x 22.75" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

A full height, roll-up door compartment behind the rear wheels will be provided. The interior dimensions of this compartment will be 52.00" wide x 50.50" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The compartment interior will be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment will be 49.00" wide x 50.50" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

All compartments will include a drip pan below the roll of the door.

RIGHT SIDE COMPARTMENTATION

A full height, jump off compartment with a roll-up door ahead of the rear wheels will be provided, as convenient large storage compartment for often used items for the crew. The interior dimensions of this compartment will be 62.00" wide x 54.50" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The compartment interior will be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment will be 59.00" wide x 54.50 high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

A roll-up door compartment over the rear wheels will be provided. The interior dimensions of this compartment will be 60.00" wide x 23.00" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The clear door opening of this compartment will be 57.00" wide x 23.00" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

A full height, roll-up door compartment behind the rear wheels will be provided. The interior dimensions of this compartment will be 52.00" wide x 50.50" high x 25.88" deep. The area behind the roll up door spool will be notched for exterior storage or larger capacity water tank tee. The depth of the compartment will be calculated with the compartment door closed. The compartment interior will be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment will be 49.00" wide x 53.50" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

All compartments will include a drip pan below the roll of the door.

SIDE COMPARTMENT ROLLUP DOOR(S)

There will be six (6) compartment doors installed on the side compartments, double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by AMDOR™ brand rollup doors.

Door(s) will be constructed using 1.00" extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The second will serve as a wiping seal which will also allow for compression to prevent water ingression.

The doors will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

Bottom panel flange of rollup door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A polished stainless steel lift bar to be provided for each roll-up door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded rollup door wear components will be constructed of Type 6 nylon.

Each rollup door will have a 3.00 inch diameter balancer/tensioner drum to assist in lifting the door.

The header for the rollup door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

REAR COMPARTMENTATION

A roll-up door compartment above the rear tailboard will be provided.

The interior dimensions of this compartment will be 37.00" wide x 36.50" high x 25.88" deep in the lower 27.00" of the compartment and 15.00" deep in the remaining upper portion. The clear door opening will be a minimum of 33.88" wide x 26.63" high.

The interior height of the compartment will be measured from the floor to the ceiling. The depth of the compartment will be measured from the back wall to the inside of the door frame.

A drip pan will be installed below the roll of the door. A guard will be installed behind the roll of the door.

A removable access panel will be furnished on the back wall of the compartment.

The rear compartment will be open into the rear side compartments. The transverse opening will be a minimum of 22.00" wide x 27.50" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

ROLL-UP REAR COMPARTMENT DOOR

The rear compartment will have a roll-up door.

The door will be double faced, aluminum construction, satin aluminum and manufactured by AMDOR™ brand roll-up doors.

The door will be constructed using 1.00" extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The second will serve as a wiping seal which will also allow for compression to prevent water ingression.

The door will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

Bottom panel flange of roll-up door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A stainless steel lift bar to be provided for opening the door and located at the bottom of each door with latches on the outer extrusion of the door frame. A ledge to be supplied over lift bar for additional area to aid in closing the door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded roll-up door wear components will be constructed of Type 6 nylon.

The door will have a 3.00 inch diameter balancer/tensioner drum to assist in lifting the door.

The header for the roll-up door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

SCUFFPLATE
A brushed stainless steel scuffplate will be furnished on the rear outside corners of the body. The stainless steel will have a 90 degree angle and will overlap the sides of the body approximately 1.00". The scuffplate will be full height and/or cover the available amount of vertical surface.

SCUFFPLATE
One (1) scuffplate will be furnished. The scuffplate(s) will be brushed stainless steel and installed on the front ladder rack arm. Scuffplate will be applied to the inboard, outboard and forward sides of the arm and will cover the full length of the arm, from the pivot point to the rack storage structure on the ladder rack arm (s).

ROLLUP DOOR PULL STRAPS
eight (8) compartment doors will be provided with pull straps. The pull straps will be 14.00" long and black in color.

The straps will be installed directly to the inside of the rollup door.

The rollup door compartments to have these straps will be all side body compartment doors and crosslay doors.

COMPARTMENT LIGHTING
There will be seven (7) compartment(s) with two (2) white 12 volt DC LED compartment light strips. The dual light strips will be centered vertically along each side of the door framing. There will be two (2) light strips per compartment. The dual light strips will be in compartment(s): all body compartments.

Any remaining compartments without light strips will have a 6.00" diameter Truck-Lite, Model 79384, light. Each light will have a number 1076 one filament, two wire bulb.

Opening the compartment door will automatically turn the compartment lighting on.

HATCH COMPARTMENTS

Hatch compartments 189.00" long x 21.00" wide x 22.00" maximum depth will be provided above the left side body compartments, with no lift-up top opening hatch doors.

Compartment(s) will extend the full length of the side body compartmentation except for a 20.00" recessed step area at the rear of the compartment on the access side.

Sides of the compartment(s) will be constructed of the same material as the body and painted job color on the outside panels. A 2.00" tall formed painted aluminum trim will be provided to cover the seam between the top of the body panel and the bottom of the hatch compartment. The vertical outboard seam at the center of the compartment will have a painted smooth weld.

Top of the compartment(s) will be constructed of bright aluminum treadplate.

Compartment will have a 3/4" drain that extends to below the body. Black rubber matting shall be provided to help prevent stored equipment in pooled water.

There will be three (3) separate straight handrails provided for the step landing at the rear of the hatch compartment. The handrails will be Hansen LED backlit knurled aluminum. The handrails will be lit with a blue LED light. The handrails will be activated with the application of the parking brake.

Chrome plated end stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

Drain holes will be provided in the bottom of all vertically mounted handrails.

MOUNTING TRACKS

There will be recessed tracks installed vertically to support the adjustable shelf(s).

Tracks will not protrude into any compartment in order to provide the greatest compartment space and widest shelves possible.

The tracks will be provided in each compartment except for the one that contains the pump operator's panel.

ADJUSTABLE SHELVES

There will be one (1) shelf with a capacity of 500 lb provided. The shelf construction will consist of .188" aluminum with 2.00" sides. Each shelf will be painted spatter gray. Each shelf will be fixed in its location in the compartment

The shelves will be held in place by .12" thick stamped plated brackets and bolts or angles bolted to the compartment as the engineer or shop floor see fit.

The location will be directly on top of the drawer assembly in the LS3 compartment.

ADJUSTABLE SHELVES

There will be one (1) shelf provided B1, just above reel. The shelf construction will consist of 0.188" aluminum painted spatter gray. A capacity rating will not be available on this item due to a reduced side height being less than 2.00". Each shelf will be infinitely adjustable by means of a threaded fastener, which slides in a track.

The shelves will be held in place by 0.12" thick stamped plated brackets and bolts.

The side height of the shelf/shelves will be as follows:

- Front: 1.00" high
- Rear: 2.00" high
- Left and Right Sides: 2.00" high

SLIDE-OUT ADJUSTABLE HEIGHT TRAY

There will be three (3) slide-out trays provided.

Each tray will have 2.00" high sides and a minimum capacity rating of 250 lb in the extended position.

Each tray will be constructed of aluminum painted spatter gray.

Each tray will be mounted on a pair of side mounted slides. The slide mechanisms will have ball bearings for ease of operation and years of dependable service. The slides will be mounted to shelf tracks to allow the tray to be adjustable up and down within the designated mounting location.

An automatic lock will be provided for both the in and out tray positions. The lock trip mechanism will be located at the front of the tray and will be easily operated with a gloved hand.

The location(s) will be in RS1 centered between the floor and the ceiling, in RS3 on the ladder rack actuator cover and in LS1 centered between the floor and ceiling to right of the partition.

SLIDE-OUT/TILT-DOWN TRAY

There will be four (4) slide-out trays provided.

The bottom of each tray will be constructed of 0.188" thick aluminum painted spatter gray while special aluminum extrusions will be utilized for the tray sides, ends, and tracks. The corners will be welded to form a rigid unit.

A spring loaded lock will be provided on each side at the front of the tray. Releasing the locks will allow the tray to slide out approximately two-thirds (2/3) of its length from the stowed position and tip 30 degrees down from horizontal. The tray will be equipped with ball bearing rollers for smooth operation.

Rubber padded stops will be provided for the tray in the extended position.

The capacity rating of the tray will be a minimum of 215 lb in the extended position.

The vertical position of the tray within the compartment will be adjustable.

The location(s) will be in RS2 centered between the floor and the ceiling, in RS3 in the upper third, in RS1 in the upper third and in LS3 in the upper third.

SINGLE HANDED CABLE LATCH

A cable will be provided to tie together the two (2) spring loaded locks that are provided as standard at the front of a slide-out/tilt tray in order to provide single hand operation of the tray.

The single hand operation cable will be provided on a total of six (6) slide-out trays located all tilt/ slide out trays .

SLIDE-OUT FLOOR MOUNTED TRAY

There will be three (3) floor mounted slide-out tray(s) provided.

Each tray will have 2.00" high sides and a minimum capacity rating of 500 lb in the extended position.

Each tray will be constructed of aluminum painted spatter gray.

There will be two undermount-roller bearing type slides rated at 250 lb each provided. The pair of slides will have a safety factor rating of 2.

To ensure years of dependable service, the slides will be coated with a finish that is tested to withstand a minimum of 1,000 hours of salt spray per ASTM B117.

To ensure years of easy operation, the slides will require no more than a 50lb force for push-in or pull-out movement when fully loaded after having been subjected to a 40 hour vibration (shaker) test under full load. The vibration drive file will have been generated from accelerometer data collected from a heavy truck chassis driven over rough gravel roads in an unloaded condition. Proof of compliance will be provided upon request.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

The location(s) will be RS1, RS3 and LS1.

SLIDE-OUT FLOOR MOUNTED TRAY

There will be two (2) floor mounted slide-out tray with 2.00" sides provided one (1) in LS1 (aft of the vertical partition) and one (1) in RS1. Each tray will be rated for up to 500lb in the extended position. The tray(s) will be constructed of .19" aluminum with non-welded corners. The finish will be painted to match compartment interior.

The tray(s) will be designed for maximum compartment width and depth.

Slides will be equipped with ball bearings for ease of operation and years of dependable service. The slides will be located on the sides of the tray so that the tray can be located as close to the compartment floor as possible.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

SLIDE-OUT FLOOR MOUNTED TRAY

There will be one (1) floor mounted slide-out tray(s) provided LS1, forward portion. Tray to used for the mounting of option 735513, Auto-X tool mount holder. A rating on this tray will not be provided due to the elimination of sides. The tray(s) will be constructed of 0.25" thick aluminum plate. The tray will be flat with no sides or flanges. The finish of the tray will be painted spatter gray.

There will be two undermount-roller bearing type slides rated at 250 lb each provided. The pair of slides will have a safety factor rating of 2.

To ensure years of dependable service, the slides will be coated with a finish that is tested to withstand a minimum of 1,000 hours of salt spray per ASTM B117.

To ensure years of easy operation, the slides will require no more than a 50 lb force for push-in or pull-out movement when fully loaded after having been subjected to a 40 hour vibration (shaker) test under full load. The vibration drive file will have been generated from accelerometer data collected from a heavy truck chassis driven over rough gravel roads in an unloaded condition. Proof of compliance will be provided upon request.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

DRAWER INSERT

A slide-out drawer insert will be installed on the floor in the LS3 compartment. The drawer insert will not be in an enclosed cabinet.

The clear dimensions starting at the top with the first drawer will be 3.00" with a face plate that is 4.00" high x 21.00" deep. The clear dimensions of the second drawer will be 5.75" with a face plate that is 6.00" high x 21.00" deep. The clear dimensions of the third drawer will be 5.75" with a face plate that is 6.00" high x 21.00" deep. The clear dimensions of the fourth drawer will be 7.75" with a face plate that is 8.00" high x 21.00" deep. Each drawer will be the same width and not exceed 24.00".

The drawers will have a capacity of 250 pounds.

A full-length aluminum extruded rail will be provided at the top edge of each drawer. This rail will act as the latching mechanism as well as the handle for each drawer.

There will be a total of one (1) provided.

SWING OUT TOOLBOARD

A swing out aluminum toolboard will be provided.

It will be a minimum of 0.188" thick with .281" diameter holes in a pegboard pattern with 1.00" centers between holes.

A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard.

The board will be mounted on a pivoting device at the front of the compartment on the top and bottom to allow easy movement in and out of the compartment. The maximum tool load will be 400 lb.

The board will have positive lock in the stowed and extended position.

The board will have a D-ring handle to secure it in the stowed position.

The board will be mounted on adjustable tracks from front to back within the compartment.

One (1) toolboard(s) will be provided. The toolboard(s) will be spatter gray painted and installed in LS2 full height and width.

PARTITION, TRANSVERSE REAR COMPARTMENT

Two (2) partitions will be bolted in place to separate the left and right side rear compartments from the rear tailboard compartment. The partition will be body material painted spatter gray.

Each partition will be permanently sealed with caulk to ensure no water will leak to or from the adjoining compartments.

VERTICAL COMPARTMENT PARTITION

One (1) partition will be provided.

The partition construction will consist of body material painted spatter gray. Each partition will be the full vertical height of the compartment.

The location(s) will be in LS1, 30.00" from the forward door frame.

COMPARTMENT TRIM PIECE

Trim will be provided vertically on the each side of the cabinet installed in compartment LS3 to prevent open space on any side of the cabinet where items might drop and become unreachable. The trim will be finished to match the compartment interior.

TEMPERATURE CONTROLLED DRUG BOX

A PharmGuard 150 NG, 12v Automatic Temperature Control System insulated drug compartment will be installed RS3to be determined at the pre-construction conference.

The compartment will be constructed of composite wood. The exterior finish will be a gray laminate texture. The inside of the compartment will be supplied with a laminate texture. The compartment will have a lift up door supplied with a keyed locking latch.

The compartment size will be to be determined at the pre-construction conference.

The PharmGuard 150 NG system includes a one (1)-year limited warranty from defects in materials and workmanship.

MATTING, COMPARTMENT SHELVING

Turtle Tile compartment matting will be provided in 14 shelves. The locations are, all trays and shelves.

The color of the Turtle Tile will be black.

MATTING, COMPARTMENT FLOOR

Turtle Tile compartment matting will be provided in two (2) compartments on the compartment floor. The locations are, LS2 and RS2.

The Turtle Tile will be black and the leading edge of the matting will include the beveled edge. The beveled edge will be black.

PEGBOARD

There will be two (2) false bulkhead(s) of 3/16" thick aluminum pegboard. The holes will be .281" diameter , punched 1.00" on center. The pegboard will be spatter gray painted.Pegboard will be provided in bulkhead(s) of the LS1, left side wall on on the forward side wall on the vertical partition compartments. The pegboard will be full height and full depth on the left side wall and on the forward vertical partition wall within the compartment(s).

PEGBOARD

There will be 3/16" thick aluminum pegboard spatter gray painted installed on the back wall of one (1) compartments. It will be mounted using two (2) horizontal tracks. Retainers will be used to mount the pegboard to the tracks. The holes will be .281" diameter , punched 1.00" on center. The pegboard will be located in the LS1 and mounted on the rear wall in LS1, full height, forward from the vertical partition.

ALUMINUM PEGBOARD

Two (2) horizontally installed tracks, with 0.19" aluminum pegboard will be installed on the back wall of one (1) compartments. The holes will be .281" diameter , punched 1.00" on center. The pegboard will be spatter gray painted. The pegboard(s) will be located in LS2.

Retainers will be used to mount the pegboard to the tracks.

RUB RAIL

Bottom edge of the side compartments will be trimmed with a bright aluminum extruded rub rail.

Trim will be 3.12" high with 1.50" flanges turned outward for rigidity.

The rub rails will not be an integral part of the body construction, which allows replacement in the event of damage.

Rub rails will be attached with bolts and spaced from the body with isolators that will help to absorb any moderate impact without damaging the body.

BODY FENDER CROWNS

Polished stainless steel fender crowns will be provided around the rear wheel openings.

A fender liner constructed of aluminum painted to match the lower body color will be provided to avoid paint chipping. The liners will be removable to aid in the maintenance of rear suspension components.

A dielectric barrier will be provided between the fender crown fasteners (screws) and the fender sheet metal to prevent corrosion.

The fender crowns will be held in place with stainless steel screws that thread directly into a composite nut and not directly into the parent body sheet metal to eliminate dissimilar metals contact and greatly reduce the chance for corrosion.

HARD SUCTION HOSE PROVIDED BY DEALER

Hose is not on the apparatus as manufactured. The dealer will provide suction or supply hose.

There will be Two (2) lengths of 10' long x6.00" diameter hose provided and equipped with a 6.00" NST rocker lug couplings couplings provided on the ends. The brand will be Kochek.

HOSE TROUGHS

A quantity of two (2) hard suction hose troughs will be provided inside the hatch compartment, mounted side by side, located on the left side.

Troughs will be constructed of stainless steel.

One (1) aluminum treadplate door with a Southco C2 chrome flush latch hinged on the top, will be provided at the rear of the compartment.

a removable aluminum floor above the length of the hard suction hose and a vertical half height partition is provided in relation to the hard suction hose in the hatch compartment to allow for storage of additional equipment.

HANDRAILS

Hansen handrails will be located on the front of the body in positions needed to meet NFPA requirements.

The handrails will be Hansen LED backlit knurled aluminum. The handrails will be lit with a blue LED light. The handrail lighting will be activated with the application of the parking brake.

Chrome plated end stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

Drain holes will be provided in the bottom of all vertically mounted handrails.

REAR HANDRAILS

There will be two (2) vertical Hansen handrails located at the rear, one (1) on each side of the rear compartment. The handrails will be knurled aluminum and backlit with a blue LED light. The handrails will be activated with the application of the parking brake.

Chrome plated end stanchions will support the handrails. Plastic gaskets will be used between end stanchions and any painted surfaces.

ADDITIONAL HANDRAIL

One (1) handrail will be mounted on the left side of the rear wall for camper step as shown on the AD.

The handrails will be Hansen LED backlit knurled aluminum. The handrails will be lit with a blue LED light. The handrails will be activated with the application of the parking brake.

Chrome plated end stanchions will support the handrail. Plastic gaskets will be used between end stanchions and any painted surfaces.

Drain holes will be provided in the bottom of all vertically mounted handrails.

EXTINGUISHER/AIR BOTTLE/ STORAGE (TRIANGULAR)

A total of one (1) extinguisher/air bottle/storage compartments will be provided in the passenger side, forward wheelwell. The triangular shaped compartment will be sized to fit a 8.00" diameter extinguisher in the lower area and a 8.00" diameter extinguisher in the upper area. The compartment will be approximately 25.50" deep. A partition will be provided to separate the compartment. Also inside the compartment, black Dura-Surf friction reducing material will be provided. The compartment will be furnished with a drain hole. A brushed stainless steel, triangular shaped door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottles. The door will have a flanged edge along the top, bottom, and side opposite the hinge. The side that is hinged as well as the side that is curved cannot be flanged. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Air Bottle Compartment Strap

A strap will be provided in the air bottle compartment to help contain the air bottle when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE STORAGE (TRIPLE)

A quantity of one (1) air bottle compartment designed to hold (3) air bottles up to 7.25" in diameter x 26.00" deep will be provided on the right side rearward of the rear wheels. A brushed stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. The door will have a flanged edge along the top, bottom, and the straight edge of the side opposite the hinge. The side that is hinged as well as the side that is curved cannot be flanged. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment(s) to help contain the air bottles when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE STORAGE (DOUBLE)

A quantity of two (2) air bottle compartments, 15.25" wide x 7.75" tall x 26.00" deep, will be provided on the driver side rearward of the rear wheels. The triangular door to cover the double air bottle opening and the fuel tank access . A brushed stainless steel door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air bottle. The door will have a flanged edge along the top, bottom, and side opposite the hinge. The side that is hinged as well as the side that is curved cannot be flanged. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, "W" shaped insert formed of composite materials and strap loop(s) to contain air bottle(s) and/or extinguisher(s) will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment to help contain the air bottle when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR PACK STORAGE

A total of one (1) air pack compartment(s) will be provided and located driver's side forward of the rear wheels. The air pack compartment(s) will be tapered to match the profile of the space available in the fender. The compartment(s) will be approximately 15.50" wide at the top and 5.00" wide at the bottom for the wheel cutout. The compartment(s) will be 15.50" tall at the body side compartment and 6.00" tall at the wheel cutout. The compartment(s) will be 26.00" deep and have a drain hole.

Inside the compartment, black Dura-Surf friction reducing material will be provided.

A brushed stainless steel hinged door with a Southco raised trigger C2 chrome lever latch will be provided to contain the air pack. The door will have a flanged edge along the top, bottom, and the straight edge of the side opposite the hinge. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

EXTENSION LADDER

There will be a 24' two-section aluminum Duo-Safety Series 900-A extension ladder provided.

ROOF LADDER

There will be a 14' aluminum Duo-Safety Series 775-A roof ladder provided.

HYDRAULIC LADDER RACK

Ground ladders will be mounted above the right side of the hose body in a specially designed swing-down cradle. This cradle will be electric/hydraulic operated. The system design will have been life cycle tested for dependable service.

An independent hydraulic pump powered by a 12-volt electric motor will operate the hydraulics.

The ladder rack will incorporate two hydraulic rotary actuators, one each located inside the front compartment and the rear compartment. The actuators will be completely enclosed within each compartment to eliminate any pinch points while operating the ladder rack. Lifting arms will be attached outside the compartment body to the front and rear actuator.

The rack can be designed in certain situations to provide lifting capabilities up to 500 lb.

The maximum height of the rack from the ground in the lowered position will be no more than 62.00".

The electric control panel will have a master switch on/off switch, an actuation switch, an operation indicator light and operation instructions. The electric controls will be located at the rear bulkhead in such a manner to allow the operator full view of the area into which the ladders will be lowered.

Two (2) air operated safety locks will be furnished to securely maintain the ladder bracket assembly in the travel position. These air operated safety locks will be controlled from the ladder rack control panel.

A polished stainless steel enclosure shall be provided over the hydraulic ladder rack locks at the front and the rear on the right side to cover the ladder rack locks (2) and provide mounting for any rear warning lights.

Ladders will be secured to the brackets with two (2) locks retaining the roof ladder and the extension ladder. The locks will be such that when the roof ladder is removed, the clamps can be moved a half turn to hold the extension ladder in place.

LADDER RACK INTERLOCK AND NOT STOWED INDICATOR LIGHT

An interlock will be provided to prevent operation of the ladder rack unless the apparatus parking brake has been activated.

A steady red indicator light will be located on the cab instrument panel and illuminated when the hydraulic ladder rack is not in the stowed position. The light will be labeled "Ladder Rack". In addition, the "Do Not Move Apparatus" light located in the cab will be activated when the hydraulic ladder rack is not in the stowed position.

HYDRAULIC LADDER RACK DEPLOYED LIGHTS

There will be two (2) Whelen® Model M4**, 3.37" high x 5.50" wide x 1.37" deep lights with chrome trim, blue flashing LEDs and lens color(s) to be the same as the LEDs, provided per the following:

- One (1) light installed on the front of the hydraulic ladder rack
- One (1) light installed on the rear of the hydraulic ladder rack

The lights will be activated when the battery switch is on and the hydraulic ladder rack is not in the stowed position.

FOLDING LADDER
One (1) 10.00' aluminum, Series 585-A, Duo-Safety folding ladder will be installed.

FOLDING LADDER STORAGE
The folding ladder will be installed in an aluminum trough painted job color on the exterior and unpainted on the interior. The trough will be outboard mounted above the outboard cradle tube.

A pin with cable will be provided to hold the ladder in the trough.

The rear hydraulic rack arm will have an offset to not block the rear upper zone warning lights.

LADDER RACK CONTROL COMPARTMENT
The controls for the hydraulic ladder rack will be recessed into the rear bulkhead in a compartment on the same side as the ladder rack. The controls will be accessed through a vertically hinged, brushed stainless steel door with a Southco C2 chrome flush latch. The door will be hinged along the inboard edge.

LADDER PUMP COVER
There will be one (1) aluminum treadplate cover(s) provided over the hydraulic ladder pump. The cover will allow checking and filling of the fluid without needing to be removed.

6' PIKE POLE
One (1) pike pole, Fire Hooks Unlimited, Model RH6, 6' long roof hook, with a steel handle and pry end will be provided and located upper forward crosslay area.

12' PIKE POLE
One (1) pike pole, Fire Hooks Unlimited Model MPH-12, 12' with a fiberglass handle will be provided.

PIKE POLE, PROVIDED BY DEALER
One (1) pike pole will be provided by the dealer. The pike pole(s) will be Dry wall hook with D handle and located Front crosslay area.

6' PIKE POLE
One (1) pike pole, 6' long trash hook(s), Fire Hooks Unlimited, Model TRH-6 with D-handle will be provided and located lower forward crosslay area.

4' PIKE POLE

Two (2) pike poles, 4' long trash hook(s), Fire Hooks Unlimited, Model TRH-4 with D-handle will be provided and located in the forward upper crosslay area. One tool will be located on the driver side and one in the passenger side, each stored in a common trough.

8' OR LONGER PIKE POLE STORAGE

A compartment will be provided, recessed in the upper, inside part of body compartment on the left side. The compartment will be equipped with a(n) aluminum trough for (1) pike pole.

A door constructed of brushed stainless steel and hinged along the outboard edge will be provided at the rear with a Southco C2 chrome flush latch.

TRASH HOOK STORAGE

There will be two (2) stainless steel U-shaped trough(s) provided for storage of D-handle style trash hook(s). The trough(s) will be installed in the upper crosslay area, one in a flat position, directly above the deadlay storage, with tool head located on the passenger side, tines facing down, one in lower forward location. See print for reference.

PIKE POLE STORAGE

Aluminum tubing will be used for the storage of three (3) pike poles and will be located in the crosslay/speedlay area. If the head of a pike pole can come in contact with a painted surface, a stainless steel scuffplate will be provided.

REAR FOLDING STEPS

Bright finished, non-skid folding steps with a black tread coating on the stepping surface will be provided at the rear. Each step will incorporate an LED light to illuminate the stepping surface. The steps can be used as a hand hold with two openings wide enough for a gloved hand.

PUMP CONTROL PANELS (LEFT SIDE CONTROL)

Pump controls and gauges will be located midship at the left side of the apparatus and properly identified.

The main pump operator's control panel will be completely enclosed and located in the forward section of the body compartment, to protect against road debris and weather elements. The pump operator's panels will be no more than 31.00" wide, and made in four (4) sections with the center section easily removable with simple hand tools. For the safety of the pump operator, there will be no discharge outlets or pump inlets located on the main pump operators panel.

Layout of the pump control panel will be ergonomically efficient and systematically organized. The upper section will contain the master gauges. This section will be angled down for easy visibility. The center section will contain the pump controls aligned in two horizontal rows. The pressure control device, engine monitoring gauges, electrical switches, and foam controls (if

applicable) will be located on or adjacent to the center panel, on the side walls for easy operation and visibility. The lower section will contain the outlet drains.

Manual controls will be easy moving 8" long lever style controls that operate in a vertical, up and down swing motion. These handles will have a 2.25" diameter knob and be able to lock in place to prevent valve creep under any pressure. Bright finish bezels will encompass the opening, be securely mounted to the pump operator's panel, and will incorporate the discharge gauge bezel. Bezels will be bolted to the panel for easy removal and gauge service. The left side discharges will be controlled directly at the valve. There will be no push-pull style control handles.

Identification tags for the discharge controls will be recessed within the same bezel. The discharge identification tags will be color coded, with each discharge having its own unique color.

All remaining identification tags will be mounted on the pump panel in chrome-plated bezels.

All discharge outlets will be color coded and labeled to correspond with the discharge identification tag.

The pump panels for the midship discharge and intake ports will be located ahead of the body compartments with no side discharge or intake higher than the frame rail. The pump panels will be easily removable with simple hand tools.

A recessed cargo area will be provided at the front of the body, ahead of the water tank above the plumbing.

PUMP

Pump will be a Pierce, low profile, 2000 gpm single stage midship mounted centrifugal type, mounted below the cab. The pump will have a 15 percent reserve capacity to allow for extended time between pump rebuild. To ensure efficient pump/vehicle design the capacity to weight ratio will not be less than 1.5:1.

The pump casing will consist of three (3) discharge outlets, one (1) to each side in line with the impeller and one (1) to the rear. The pump casing will incorporate two (2) water strippers to maintain radial balance.

Pump will be the Class A type.

Pump will be certified to deliver the percentage of rated discharge from draft at pressure indicated below:

- 100 percent of rated capacity at 150 psi net pump pressure
- 70 percent of rated capacity at 200 psi net pump pressure
- 50 percent of rated capacity at 250 psi net pump pressure

The pump will have the capacity to deliver the percentage of rated discharge from a pressurized source as indicated below:

- 135 percent of rated capacity at 100 psi net pump pressure from a 5 psi source

Pump body will be fine-grained gray iron. Pump will incorporate a heater/cooling jacket integral to the pump housing.

The impeller will be high strength vacuum cast bronze alloy accurately machine balanced and splined to a ten 10) spline stainless steel pump shaft for precision fit, exceptional durability, and efficiency. Double replaceable reverse flow labyrinth type bronze wear ring design will help to minimize end thrust. The impeller will be a twisted vane design to create higher lift. No keyed shafts will be acceptable.

The pump will include o-ring gaskets throughout the pump.

Deep groove radial type oversize ball bearings will be provided. The bearings will be protected at the openings from road dirt and water with an oil seal and water slinger.

The pump will have a flat, patterned area on the top of the pump intake wye to allow standing for plumbing maintenance. The main inlet manifold will be 6.00" in diameter and will have a low profile design to facilitate low crosslays and high flows.

For ease of service, the pump housing, intake wye, impeller, mechanical seal, and gear case will be accessible from above the chassis frame by tilting the cab. Removal of the main inlet wyes will provide access to the impeller, mechanical seal, and wear ring.

The tank to pump line and the primary discharge line will be the only piping required to be removed for overhaul.

For ease of service and overhaul there will be no piping or manifolding located directly over the pump.

PUMP MOUNTING

Pump will be mounted to the chassis frame rails directly below the crew cab, to minimize wheelbase and facilitate service, using rubber isolators in a modified V pattern that include one (1) central mounted isolator located between the frame rails and one (1) on each side outside the frame rails. The mounting will allow chassis frame rails to flex independently without damage to the fire pump. Each isolator will be 2.55" in total outside diameter and will be rated at 490 lb. The pump will be completely accessible by tilting the cab with no piping located directly above the pump.

MECHANICAL SEALS

Silicon carbide mechanical seals will be provided. The seals will be spring loaded and self-adjusting. The seals will have a minimum thermal conductivity of 126 W/m*K to run cooler. Seals will have a minimum hardness of 2800 kg/mm2 to be more resistant to wear, and have thermal expansion characteristics of no more than 4.0 X106mm/mm*K to be more resistant to thermal shock.

PUMP GEAR CASE

The integrated pump transmission gear case will use a pressure-lubricated system to cool, lubricate, and filter the oil. The gear case will be constructed of lightweight aluminum, and impregnated with resin in accordance to MIL Spec MIL-I-17563. A sight glass, accessible by tilting the cab, will be provided for easy fluid level checks.

The gear case will consist of three (3) gears to drive the pump.

CLUTCH

There will be a heavy-duty hydraulic clutch mounted directly to the integrated pump transmission to engage and disengage the pump without gear clash. The clutch will be a multiple disc design for maximum torque. The clutch will be fully self-adjusting to provide automatic wear compensation, and consistent torque throughout the life of the clutch. Positive engagement and disengagement will be provided through a high efficient and dependable hydraulic system to assure superior performance.

LOW PRESSURE/HIGH TEMPERATURE LIGHTS

Lights will be provided to indicate when a high temperature or low pressure situation occurs. Lights will be provided next to the master gauges at the pump panel as well as on the control panel in the cab. A pair of lights will be provided in each location. One light will be provided to indicate high temperature. The second light will be provided to indicate a low pressure. All lights will be labelled accordingly.

PUMPING MODE

Pump will provide for both pump and roll mode and stationary pumping mode.

Stationary pumping mode will be accomplished by stopping the vehicle, setting the parking brake and engaging the water pump switch on the cab switch panel. The transmission will shift to "Neutral" range automatically when the parking brake is set. The "OK to Stationary Pump" indicator will also illuminate when the parking brake is set.

If the vehicle is equipped with a suitable Husky foam system or Hercules CAFS system, these systems will be engaged from the cab switch panel as well.

Pump and roll mode will be accomplished by the use of the main pump and will not require the use of a secondary pump. pump and roll mode will use the same operation sequence as stationary pumping mode with a few additional steps. After the vehicle is setup for stationary pumping, the operator will leave the cab and setup the pump panel to discharge at the desired outlet(s). Upon returning to the cab, the operator will disengage the parking brake. An "OK to pump and roll" indicator will illuminate on the cab switch panel. First gear on the transmission gear selector will be selected by the operator for pump and roll operations. The operator as needed will apply the foot throttle. pump and roll mode will be maintained unless the transmission shifts out of first gear.

Stopping either stationary pumping mode or pump and roll mode will be accomplished by pressing the "Water Pump" switch down to disengage the pump.

A pump pressure reading will be displayed in view of the driver.

PUMP SHIFT

Pump will be engaged in not more than two steps, by simply setting the parking brake, which will automatically put the transmission into neutral, and activating a rocker switch in the cab. Switches in the cab will also allow for water, foam, or CAFS if equipped, and activate the appropriate system to preset parameters. The engagement will provide simple two-step operation, enhance reliability, and completely eliminate gear clash. The shift will include the indicator lights as mandated by NFPA. A

direct override switch will be located behind a door in the pump operator's panel. The switch will automatically disengage when the door is closed.

As the parking brake is applied, the pump panel throttle will be activated and deactivate the chassis foot throttle for stationary operation.

TRANSMISSION LOCK UP

Transmission lock up is not required as transmission will automatically shift to neutral as soon as the parking brake is set.

AUXILIARY COOLING SYSTEM

A supplementary heat exchange cooling system will be provided to allow the use of water from the discharge side of the pump for cooling the engine water. A water-to-coolant heat exchanger will be used.

INTAKE RELIEF VALVE

The intake relief valve for the pump is not required.

An Akron intake relief valve will be installed on the MIVs on the suction side of the pump preset at 125 psig .

The relief valve will have a working range of 50 PSI to 350 PSI.

The outlet will terminate below the frame rails with a 2.50" National Standard hose thread adapter and will have a "do not cap" warning tag.

An adjustable air regulator and pressure indicating gauge will be located behind the right side pump panel with a stainless steel access door on a common bezel.

PIERCE PRESSURE CONTROLLER

A Pierce electronic pressure controller will be provided.

A pressure transducer will be installed in the discharge side of the water pump. The transducer continuously monitors pump pressure sending a signal to the electronic pressure controller.

The pressure controller can be used in two (2) modes of operation, RPM mode and pressure modes. The controller will be programmed to turn on/default to Pressure Setting mode.

In the RPM mode, the controller can be activated after vehicle parking brake has been set. When in this mode, the controller will maintain the set engine speed, regardless of engine load (within engine operation capabilities).

In the pressure mode, the controller can be activated after vehicle parking brake has been set. When in this mode, the controller will automatically maintain the discharge pressure set by the operator (within the discharge capabilities of the pump and water supply) regardless of flow.

A 2.00" diameter throttle control knob with no mechanical stops, a serrated grip, and a red idle push button in the center will be a integrated/part of the pressure controller. The throttle control knob will be programmed for Counter Clockwise rotation to increase engine speed.

Individual LED indicators for ok to pump, throttle ready, pressure mode and rpm mode will be located on the pressure controller for easy viewing.

A pump cavitation protection feature will also be provided which will return the engine to idle should the pump cavitate. Cavitation is sensed by the combination of pump pressure below 30 psi and engine speed above 2000 rpm for more than five (5) seconds.

Other safety features include recognition of low water and no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure controller LCD screen will be 4.20" in size with a minimum brightness of 750 nits. The LCD screen and LED intensity will automatically adjust for day and nighttime operation. The LCD screen intensity can also be manually adjusted if needed.

The following information will be provided/displayed on the LCD screen:

- Engine RPM
- Check engine and stop engine warning indicators
- Engine oil pressure
- Engine coolant temperature
- Water pump transmission temperature
- Fuel Level
- Water tank level
- Battery voltage
- Operating mode (RPM or pressure)
- Pressure or RPM setting

On screen messaging show diagnostic and warning messages as they occur. It will show apparatus information, stored data, and program options when selected by the operator. It will monitor inputs outputs and support audible and visual warning alarms for the following conditions:

- High battery voltage
- Low battery voltage/engine off
- Low battery voltage/engine running
- High water pump temperature
- Low fuel
- Low engine oil pressure
- High engine coolant temperature
- Water tank out of water (visual alarm only)
- No engine response (visual alarm only)

The pressure controller will store the accumulated operating hours for the pump and engine. These items are to be displayed within the pressure controller menu.

The pressure controller will include a USB port on the back of the controller for easy software upgrades if needed.

PRIMING PUMP

The priming pump will be a Trident Emergency Products compressed air powered, high efficiency, multistage venturi based AirPrime System, conforming to standards outlined in the current edition of applicable NFPA standards.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction.

One (1) priming control will open the priming valve and start the pump primer.

PUMP WITNESS

A witness of the functionality of the pump will be provided at final inspection. This will be a detailed test where the pump is run at full capacity, inside the pump test facility.

Also, each discharge will be connected, flowed and checked for capacity.

Assistance will be provided by plumbing personnel at the time of inspection.

There will be no recertification of the pump performance.

RECIRCULATING LINE WITH CHECK VALVE

A 0.50" diameter recirculating line, from the pump to the water tank, will be furnished with a control installed at the pump operator's control panel. A check valve will be provided in this line to prevent the back flow of water from the tank to the pump if the valve is left in the open position.

THERMAL RELIEF VALVE

A Pierce thermal relief valve will be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump when the temperature of the pump water exceeds 140 Degrees F (49 C).

The thermal protection system will include a amber warning light mounted on the pump operator panel.

The discharge line will be 3/8 inch diameter tubing plumbed to water tank fill tower.

PUMP MANUALS

There will be a total of two (2) pump manuals provided by the pump manufacturer and furnished with the apparatus. The manuals will be provided by the pump manufacturer in the form of two (2) electronic copies. Each manual will cover pump operation, maintenance, and parts.

PLUMBING, STAINLESS STEEL AND HOSE

All inlet and outlet lines will be plumbed with either stainless steel pipe, flexible polypropylene tubing or synthetic rubber hose reinforced with hi-tensile polyester braid. All hose's will be equipped with brass

or stainless steel couplings. All stainless steel hard plumbing will be a minimum of a schedule 10 wall thickness.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping will be equipped with victaulic or rubber couplings.

Plumbing manifold bodies will be ductile cast iron or stainless steel.

All piping lines are to be drained through a master drain valve or will be equipped with individual drain valves. All drain lines will be extended with a hose to drain below the chassis frame.

All water carrying gauge lines will be of flexible polypropylene tubing.

All piping, hose and fittings will have a minimum of a 500 PSI hydrodynamic pressure rating.

FOAM SYSTEM PLUMBING

All piping that is in contact with the foam concentrate or foam/water solution will be stainless steel. The fittings will be stainless steel or brass. Cast iron pump manifolds will be allowed.

MAIN PUMP INLETS

A 6.00" pump manifold inlet will be provided on each side of the vehicle. The suction inlets will include removable die cast zinc screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.

Main pump inlets will not be located on the main operator's panel and will maintain a low connection height by terminating below the top of the chassis frame rail.

MAIN INLET BUTTERFLY VALVE

There will be two (2) butterfly valve provided, one (1) on the right side and one (1) on the left side main pump inlet.

The 6.00" inlet valves will be recessed behind the pump panel.

The 6.00" inlet valves will be provided with an adjustable pressure relief valve, matching the intake relief valve of the pump, preset at 125 psig and a bleeder valve will be provided on the inlet side of the valve.

There will be an Akron 9343 electric valve controller provided on the pump operators panel. The electric control must be of a 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 and an optional one touch full open feature to operate the valve actuator. The controller will provide position indication with 5 colored LED's. It will have manual adjustment of the brightness as well as an auto dimming option.

The electric actuator will be furnished with a manual override, extended to the pump panel at the inlet.

A manual override wrench will be provide to manually open or close the valve.

A maintain switch will be provided near the manual override. The switch will cut off power to the valve to allow for manual override valve actuation.

MAIN PUMP INLET CAP

The main pump inlets will have National Standard Threads with a rocker lug chrome plated cap.

The cap will be the Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

VALVES

All ball valves will be Akron® Brass. The Akron valves will be the 8000 series heavy-duty style with a stainless steel ball and a simple two-seat design. No lubrication or regular maintenance is required on the valve.

Valves will have a **ten (10) year** warranty.

The location of the valve for the two (2) inlets will be recessed behind the pump panel.

INLET CONTROL

The side auxiliary inlet(s) will incorporate a quarter-turn ball valve with the control located at the inlet valve. The valve operating mechanism will indicate the position of the valve.

LEFT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the left side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

RIGHT SIDE INLET

There will be one (1) auxiliary inlet with a 2.50" valve at the right side pump panel, terminating with a 2.50" (F) National Standard hose thread adapter.

The auxiliary inlet will be provided with a strainer, chrome swivel and plug.

ANODE, INLET

A pair of sacrificial zinc anodes will be provided in the water pump inlets to protect the pump from corrosion.

INLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each side gated inlet.

The valves will be located behind the panel with a "T" swing style handle control extended to the outside of the panel.

The handles will be chrome plated and provide a visual indication of valve position. The swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

The water discharged by the bleeders will be routed below the chassis frame rails.

No snubber bleeder valves are acceptable.

TANK TO PUMP

The booster tank will be connected to the intake side of the pump with heavy duty 4.00" piping and a quarter turn 3.00" full flow line valve with the control located at the operator's panel. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing.

A check valve will be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.

TANK REFILL

A 1.50" combination tank refill and pump re-circulation line will be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

DISCHARGE OUTLET CONTROLS

The right side discharges will incorporate a quarter-turn ball valve and be controlled by Akron 9345 electric valve controllers provided on the pump operator's panel. The electric controls must be of a true position feedback design, requiring no clutches in the motor or current limiting. The units must be completely sealed with momentary open, close as well and an optional one touch full open feature to operate their corresponding valve actuator. The controllers will provide position indication on a full color, backlit LCD display. They will have manual adjustment of the brightness as well as an auto dimming option. In addition to the valve controls, the electric valve controllers will include a pressure display

All other outlets will have manual swing handles that operate in a vertical up and down motion. These handles will be able to lock in place to prevent valve creep under pressure.

LEFT SIDE DISCHARGE OUTLETS

There will be two (2) discharges with a 2.50" valves on the left side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter. Discharges will be located below the cab, and will be no higher than the top of the chassis frame rail. Discharges will not be located on the pump operator's panel. Lever controls will be provided at the valve.

RIGHT SIDE DISCHARGE OUTLETS

One (1) discharge outlet with a 2.50" valve will be provided on the right side of the apparatus, terminating with a 2.50" MNST adapter. The discharge(s) will be located below the crew cab and will be no higher than the top of the chassis frame rail.

There will be Akron 9345 electric valve controller(s) provided on the pump operator's panel. The electric control(s) must be of a true position feedback design, requiring no clutches in the motor or current limiting. The unit(s) must be completely sealed with momentary open, close as well and an optional one touch full open feature to operate the valve actuator. The controller(s) will provide position indication on a full color, backlit LCD display. They will have manual adjustment of the brightness as well as an auto dimming option.

In addition to valve position, each controller will include a pressure display.

LARGE DIAMETER DISCHARGE OUTLET

There will be an Akron 8800 4.00" flat ball valve with 4.00" plumbing terminating with a 4.00" MNST chrome adapter on the right side pump panel.

The valve will be controlled with a(n) Akron 9345 with pressure located at the pump operator's panel.

LARGE DIAMETER OUTLET ELBOWS

The 4.00" outlet will be furnished with a 4.00" (F) National Standard hose thread x 5.00" Storz elbow adapter with Storz cap and stainless steel tie cable.

FRONT DISCHARGE OUTLETS

There will be two (2) 1.50" discharges located on the top of the front bumper extension. They both will be positioned outboard of the frame rails the left side outlet will be rearward and the right side outlet will be forward. See job 36812 for reference .

There will be a 1.50" 90 degree swivel on each discharge. There will be a 1.50" valve for each outlet. The valve will be below the gravel pan and the control lever will extend upward through it. A chromed cap with a retaining chain will be provided on each swivel.

There will be a single 2.0" plumbing line that supplies both discharges. This supply line will tee-off to each individual outlet. There will be a 2.0" manually controlled master valve located at the pump operator's position. This valve will have reverse linkage with "in" being open and "out" being closed.

Plumbing will consist of 2.00" piping and high pressure hose as needed. Manual drains will be provided at the bumper outlets and pump panel. Automatic drains will be provided at all low points in the plumbing.

REAR DISCHARGE OUTLET

One (1) discharge outlet will be piped to the rear of the hose bed on right side, installed so proper clearance is provided for spanner wrenches or adapters. Plumbing will consist of 2.50" piping along with a 2.50" full flow ball valve with the control from the pump operator's panel. Discharge will terminate with 2.50" NST thread. Discharge piping will be schedule 10 304L welded or formed stainless steel and routed through the water tank.

REAR OUTLET ELBOWS

The 2.50" discharge outlets, located at the rear of the apparatus, will be furnished with a 2.50" (F) National Standard hose thread x 2.50" (M) National Standard hose thread, chrome plated, 30 degree elbow.

The elbow will be Pierce VLH, which incorporates an exclusive thread design to automatically relieve stored pressure in the line when disconnected.

HOSE BED DISCHARGE OUTLET

There will be One (1) discharge outlet piped to the front of the hose bed, in the hosebed #4 bed. Plumbing will consist of 2.50" schedule 10 304L welded or formed stainless steel piping along with a 2.50" full flow ball valve with the control from the pump operator's panel. Discharge will terminate with 2.50" NST thread.

HOSE BED DISCHARGE OUTLET

There will be One (1) discharge outlet piped to the front of the hose bed, in the hosebed #3 bed. Plumbing will consist of 2.00" schedule 10 304L welded or formed stainless steel piping along with a 2.00" full flow ball valve with the control from the pump operator's panel. Discharge will terminate with 1.50" NST thread.

DISCHARGECAPS/ INLET PLUGS

Chrome plated, rocker lug, caps with S/S cables will be furnished for all discharge outlets 1.00" thru 3.00" in size, besides the pre-connected hose outlets.

Chrome plated, rocker lug, plugs with S/S cables will be furnished for all auxiliary inlets 1.00" thru 3.00" in size.

The caps and plugs will incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

OUTLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable with some outlets if deemed appropriate with the application.

The valves will be located behind the panel with a T swing style handle control extended to the outside of the side pump panel.

The handles will be chrome plated and provide a visual indication of valve position.

The T swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

Bleeders will be located at the bottom of the pump panel. They will be properly labeled identifying the discharge they are plumbed in to.

The water discharged by the bleeders will be routed below the chassis frame rails.

DISCHARGE DRAIN VALVES

Provide a manual style drain in all low plumbing points that would normally have automatic drains.

DELUGE RISER

A 3.00" deluge riser will be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping will be rigidly braced and installed securely so no movement develops

when the line is charged. A 2.50" gated valve will be installed and controlled at the pump operator's panel. The deluge outlet will flow a minimum 1000 GPM.

TELESCOPIC PIPING

The deluge riser piping will include a 18.00" Task Force Model XGA38 Extend-A-Gun extension. The control for the extension will be located at the pump panel.

This extension will be telescopic to allow the deluge gun to be raised 18.00" increasing the range of operation.

A position sensor will be provided on the telescopic piping that will activate the "do not move vehicle" light inside the cab when the monitor is in the raised position.

MONITOR

A Task Force Tips Monsoon 1250 GPM electric monitor will be properly installed on the deluge riser. This monitor will include all electric 12 VDC controls for the monitor. A remote control switch panel will be installed on the pump operator's panel and a wireless remote control will be provided. The monitor will be painted as provided by monitor manufacturer.

NOZZLE

A Task Force Tips Master Stream Series M-ERP-NJ nozzle and XF-SS10 shaper with MST-4NJ tips will be provided. The fog nozzle will have a range of 250 to 1250 GPM, and electric pattern control.

The deluge riser Extend-a-Gun will have a provisions for direct mounting a Task Force Monsoon monitor.

CROSSLAY MODULE

The crosslay module will be special width and off set to the left. The left side of the crosslay area will be flush with the body panel. The right side will be inset 12.50".

The forward, upper corners of the module will have full body corners.

The crosslay module will be manufactured for installation of roll up doors on each end.

ROLL-UP DOOR, CROSSLAY ENDS, PUC

All compartment doors will be roll-up style double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by AMDOR™. The crosslay enclosure will be full width of the body.

The track will be the flanged track with the screws installed to the rear of the track guide.

The slats will be double wall box frame extrusion. The exterior surface will be flat and the interior surface will be concave to help loose equipment fall to the ground and prevent it from jamming the door.

Between each slat will be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments.

Each door will have a 4.00" counter balance to assist in lifting.

A polished stainless steel lift bar to be provided for each roll-up door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

The crosslays will have a standard drip pan below the roll of the door.

CROSSLAY COMPARTMENT LIGHTING

There will be two (2) 12 volt DC light strips with white LEDs and mechanical fasteners, provide behind the front door frame on the crosslay compartments per the following:

- One (1) strip light for the left side crosslay compartment door
- One (1) strip light for the right side crosslay compartment door

The lights will be activated when the battery switch is on and the respective door is opened.

LOWER CROSSLAY

There will be two (2) lower crosslays provided.

1.50" Crosslay

There will be two (2) 1.50" crosslays plumbed with 2.00" welded or formed schedule 10 304L stainless steel pipe.

The crosslays will be low mounted with the bottom of both crosslay trays no more than 11.00" above the frame rails for simple, safe reloading and deployment.

There will be a 1.50" National Standard hose thread 90-degree swivel provided in the bottom of each hose bed, so that the hose may be removed from either side of apparatus. The swivel will be as far outbound as possible for ease of changing hose.

Each crosslay will be gated with a 2.00" quarter turn ball valve with the controls located at the pump operator's panel.

Each hose bed will be capable of carrying 200' x 1.75" DJ hose. Each tray to have a 8.00" clear width and 18.00" high.

Crosslay Hose Tray

A removable tray will be provided for each crosslay hose bed. The crosslay tray will be constructed of black poly to provide a lightweight sturdy tray. Two (2) hand holes will be in the floor and additional hand holes will be provided in the sides for easy removal and installation from the compartment. The floor of the trays will be perforated to allow for drainage and hose drying. A notch will be provided in the tray to allow outlet swivel(s) to be connected to hose.

Trays will be held in place by a mechanical spring-loaded stainless-steel latch that automatically deploys upon loading the trays to hold the trays in place during transit.

UPPER CROSSLAY

There will be one (1) upper crosslay provided.

2.50" Crosslay

There will be one (1) 2.50" crosslay plumbed with 2.50" welded or formed schedule 10 304L stainless steel pipe.

There will be a 2.50" National Standard hose thread 90-degree swivel provided in the bottom each hose bed, so that hose may be removed from either side of apparatus. The swivel will be as far outbound as possible for ease of changing hose.

Each crosslay will be gated with a 2.50" quarter turn ball valve with the controls located at the pump operator's panel.

Each hose bed will be capable of carrying 200' of 2.50" double jacket hose.

Crosslay Hose Tray

A removable tray will be provided for each crosslay hose bed. The crosslay tray will be constructed of black poly to provide a lightweight sturdy tray. Two (2) hand holes will be in the floor and additional hand holes will be provided in the sides for easy removal and installation from the compartment. The floor of the trays will be perforated to allow for drainage and hose drying. A notch will be provided in the tray to allow outlet swivel(s) to be connected to hose.

Trays will be held in place by a mechanical spring-loaded stainless-steel latch that automatically deploys upon loading the trays to hold the trays in place during transit.

BACKBOARD STORAGE

One (1) backboard(s) will be located in the upper crosslay module. The backboard(s) will be enclosed and removable from either side of the truck. A Velcro® strap will be provided on each end of the storage. The backboard(s) to be stored will be 3.00" x 18.00" x 74.00".

TRAY, CROSSLAY

There will be two (2) additional poly tray(s) provided for the crosslays. The trays will be sized to match the two (2) trays provided in option 733520 .

BOOSTER HOSE REEL

A Hannay electric rewind aluminum booster hose with polished discs will be installed in the rear tailboard compartment.

If there is a roll-up door for this compartment, the door will not interfere with the hose reel.

Discharge control will be provided at the pump operator's panel. Plumbing to the reel will consist of 1.50" or larger Aeroquip hose, stainless steel pipe and a 2.00" valve.

HOSE REEL BLOWOUT

A hose reel blowout will be furnished to blow out any remaining water from the hose reel. The blowout will be piped from the wet tank of the brake system to the hose reel and will be controlled at the pump operator's panel.

Reel motor will be protected from overload with a circuit breaker rated to match the motor.

An electric rewind control switch will be installed adjacent to the reel.

Booster hose, 1.00" diameter and 150 feet, with chrome plated Barway, or equal couplings will be provided.

Working pressure of the booster hose will be a minimum of 800 psi.

Capacity of the hose reel will be 150 feet of 1.00" booster hose.

There will be one (1) polished stainless steel, captive roller and guide assembly mounted to the captive roller assembly bracket which is located to the rear of the reel line; at the top and to not exceed the overall height of the reel.

There will be four (4) additional polished stainless steel roller and guide assembly mounted vertically, two (2) on each side of the rear body, in line with the reel line, one (1) next to the outboard body corner and one (1) next to the B1 door edge; each side.

A bracket for one (1) captive roller assemblies to be mounted into will be provided just inside the door frame of the compartment and will not exceed the height of the reel, roller opening to be 4.5" clear height for nozzle to fit thru..

FOAM PROPORTIONER

A foam proportioning system will be provided that is an on demand, automatic proportioning, single point, direct injection system suitable for all types of Class A and B foam concentrates, including the high viscosity (6000 cps), alcohol resistant Class B foams. Operation will be based on direct measurement of water flow, and remain consistent within the specified flows and pressures. The system will automatically balance and proportion foam solution at rates from .1 percent to 9.9 percent regardless of variations in water pressure and flow, up to the maximum rated capacity of the foam concentrate pump.

The design of the system will allow operation from draft, hydrant, or relay operation. This will provide a versatile system to meet the demands at a fire scene.

System Capacity

The system will have the ability to deliver the following minimum foam solution flow rates that meet or exceed NFPA requirements at a pump rating of 250 psi.

200 gpm @ 6 percent

400 gpm @ 3 percent

1200 gpm @ 1 percent

The foam concentrate setting may be adjusted in 0.1 percent increments from 0.1 percent to 9.9 percent. Typical settings are 0.3 percent, 0.5 percent and 1.0 percent (The maximum capacity will be limited to the plumbing and water pump capacity).

Control System

The system will be equipped with a digital electronic control display located on the pump operators panel. Push button controls will be integrated into the panel to turn the system on/off, control the foam percentage, direct which foam to use on a multi-tank system, and to set the operation modes (automatic, manual, draft, calibration, or flush).

The percent of injection will have presets for Class A or Class B foam. These presets can be changed at the fire department as desired. The percent of injection will be able to be easily changed at the scene to adjust to changing demands.

In order to minimize the use of abbreviations and interpretations, system information will be displayed on the panel by way of 0.50" tall LEDs that total 14 characters (two (2) lines of seven (7) each). System on and foam pump on indicator lights will also be included. Information displayed will include mode of operation (automatic, manual, draft, calibration, or flush), foam supply selected (Class A or Class B), water total, foam total, foam percentage, remaining gallons, and time remaining.

The control display will direct a microprocessor, which receives input from the systems water flow meter while also monitoring the position of the foam concentrate pump. The microprocessor will compare the values of the water flow versus the position/rate of the foam pump, to ensure the proportion rate is accurate. One (1) check valve will be installed in the plumbing to prevent foam from contaminating the water pump.

Low Level, Foam Tank

The control head will display a warning message when the foam tank in use is below a quarter tank.

Hydraulic Drive System

The foam concentrate pump will be powered by a hydraulic drive system, which is automatically activated, whenever the vehicle water pump is engaged. A large parasitic electric load used to power the foam pump can cause an overload of the chassis electrical system.

Hydraulic oil cooler will be provided to automatically prevent overheating of the hydraulic oil, which is detrimental to system components. The oil/water cooler will be designed to allow continuous system operation without allowing hydraulic oil temperature to exceed the oil specifications.

The hydraulic oil reservoir will be of four (4) gallons minimum capacity and will also be of sufficient size to minimize foaming and be located to facilitate checking oil level or adding oil without spillage or the need to remove access panels.

Foam Concentrate Pump

The foam concentrate pump will be of positive displacement, self-priming; linear actuated design, driven by the hydraulic motor. The pump will be constructed of brass body; chrome plated stainless steel shaft, with a stainless steel piston. In order to increase longevity of the pump, no aluminum will be present in its construction.

A relief system will be provided which is designed to protect the drive system components and prevent over pressuring the foam concentrate pump.

The foam concentrate pump will have minimum capacity for 12 gpm with all types of foam concentrates with a viscosity at or below 6000 cps including protein, fluoroprotein, AFFF, FFFP, or AR-AFFF. The system will deliver only the amount of foam concentrate flow required, without recirculating foam back to the storage tank. Recirculating foam concentrate back to the storage tank can cause agitation and premature foaming of the concentrate, which can result in system failure. The foam concentrate pump will be self-priming and have the ability to draw foam concentrate from external supplies such as drums or pails.

External Foam Concentrate Connection

An external foam pick-up will be provided to enable use of a foam agent that is not stored on the vehicle. The external foam pick-up will be designed to allow continued operation after the on-board foam tank is empty. The external foam pick-up will be designed to allow use with training foam or colored water for training purposes.

Panel Mounted Strainer/External Pick-Up Connection

A bronze body strainer/connector unit will be provided. The unit will be mounted to the pump panel. The external foam pick-up will be one (1) 1.00" male connection with chrome-plated cap integrated to a 2.00" strainer cleanout cap. A check valve will be installed in the pick-up portion of the cleanout cap. A basket style stainless steel screen will be installed in the body of the strainer/connector unit. Removal of the 2.00" cleanout cap will be all that is required to gain access to and remove the stainless steel basket screen. The strainer/connector unit will be ahead of the foam concentrate pump inlet port to insure that all agent reaching the foam pump has been strained.

Pick-Up Hose

A 1.00" flexible hose with an end for insertion into foam containers will be provided. The hose will be supplied with a 1.00" female swivel NST thread swivel connector. The hose will be shipped loose.

Discharges

The foam system will be plumbed to the lower rear crosslay, lower front crosslay, right side of front bumper, center of front bumper, hose reel in the rear compartment, left rear outlet outboard and right rear outlet outboard.

System Electrical Load

The foam proportioning will not impose an electrical load on the vehicle electrical system any greater than five (5) amps at 12VDC.

Foam Supply Valve
An electric valve will be used for the foam supply valve. The foam supply valve will be controlled at the foam system control head for ease of operation. The supply valve will be electric, remote controlled, to eliminate air pockets in the foam tank supply hose.

Maintenance Message
A message will be displayed on the control head to advise when system maintenance needs to be performed. The message will display interval for cleaning the foam strainer, cleaning for the water strainers, and changing the hydraulic oil.

Flush System
The system will be designed such that a flush mode will be provided to allow the system to flush all foam concentrate with clear water. The flush circuit control logic will ensure the foam tank supply valve is closed prior to opening the flush valve. The flush valve will be operated at the foam system control head for ease of operation. The valve will be electrically controlled and located as close to the foam tank supply valve as possible. A manual flush drain valve will be labeled and conveniently located.

SINGLE FOAM TANK REFILL
The foam system's proportioning pump will be used to fill the Class A foam tank. This will allow use of the auxiliary foam pick-up to pump the foam from pails or a drum on the ground into the foam tank. A foam shut-off switch will be installed in the fill dome of the tank to shut the system down when the tank is full. The fill operation will be controlled by a mode in the foam system controller stating TANK FILL. While the proportioner pump is filling the tank, the controller will display FILL TANK. When the tank is full, as determined by the float switch in the tank dome, the pump will stop and the controller will display TANK FULL.

REMOTE CONTROL, FOAM SYSTEM
A remote start/stop control for the Husky 12 foam system will be provided inside the cab.

FOAM SYSTEM TRAINING
The fire department will order one (1) vehicle with this foam system. A demonstration will be provided at the apparatus manufacturers facility on the operation of the foam system.

This demonstration will include:

- A review of the foam system manual emphasizing key areas
- A walk around review of the system components on the finished truck
- A hands-on foam system start-up and foam discharge session
- Instructions on the use of the manual overrides
- The proper way to shut down and flush the foam system.

FOAM TANK
The foam tank will be an integral portion of the polypropylene water tank. The cell will have a capacity of 25 gallons of foam with the intended use of Class A foam. The brand of foam stored in this tank will

be Silvex. The foam cell will not reduce the capacity of the water tank. The foam cell will have a screen in the fill dome and a breather in the lid.

FOAM TANK DRAIN

A system of 1.00" foam tank drains will be provided, integrated into the foam systems strainer and tank to foam pump valve management system. The tank to pump hoses running from the tank(s) to the panel mounted strainer will 1.00" diameter. The foam system controller will have a mode that allows for a given foam valve to be opened at will. Flow of foam from the tank valve to the strainer will be usable as a tank drain mode.

An adaptor will be supplied, that allows the 1.00" foam intake screen to assembly to be used as a drain outlet. The standard supplied 1.00" foam pick up hose will be attached to the screen assembly by way of the adapter. The drain mode will allow the operator to open and close the tank valve as required from the control head, to drain foam and re-fill foam containers through the connected hose, without foam spillage beneath the vehicle.

The following drawing(s) will be provided for approval by the customer. The drawing(s) will be made for up One (01) Truck apparatus and/or similar Pierce job number.

PUMP OPERATOR'S PANEL DRAWING

A detailed drawing to scale of the pump operator's panel will be provided for the customer to review. The drawing will include all of the gauges, controls, switching, etc.., located on the pump operator's panel. The customer will be allowed to make changes and/or mark-ups to this approval drawing. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved pump operator's panel drawing will become part of the contract documents.

Due to the way drain(s), bleeder(s), operational/maintenance tag(s) and NFPA required warning tag(s) are placed on pump panel(s), these items will NOT be shown on any pump panel approval drawing(s). These item(s) will be placed on pump panel(s) at the fire apparatus manufacturer discretion.

COLOR CODED TAGS

A detailed drawing/chart of the colors used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the colors will become part of the contract documents.

SPECIAL TEXT/VERBIAGE TAGS

A detailed drawing/chart of the text/verbiage used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this

approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the text/verbiage will become part of the contract documents.

PUMP PANEL CONFIGURATION

The pump panel configuration will be arranged and installed in an organized manner that will provide user-friendly operation.

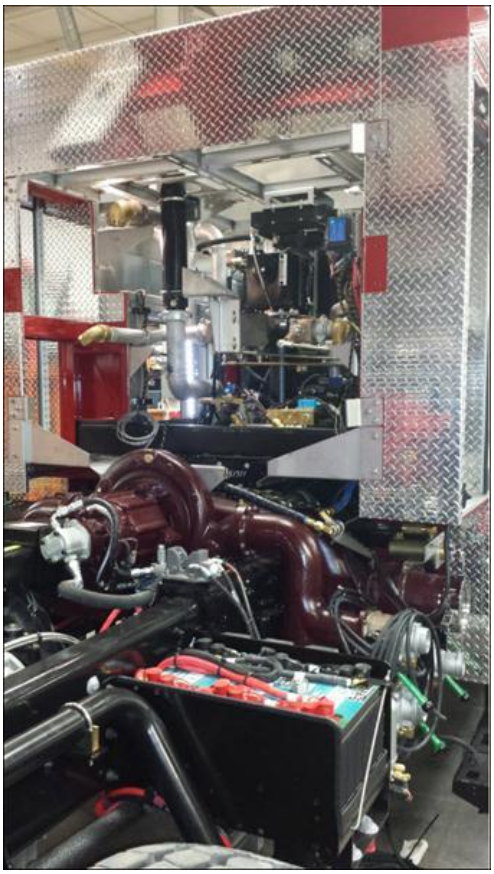
PUMP AND GAUGE PANEL

The pump operator's panel and gauge panels will be brushed stainless steel finish.

The side panels will be brushed stainless steel finish.

PUMP AND PLUMBING ACCESS

Simple access to the plumbing will be provided through the front of the body area by raising the cab for complete plumbing service and valve maintenance. Access to valves will not require removal of operator panels or pump panels. Access for rebuilding of the pump will not require removal of more than the tank to pump line and a single discharge line. This access will allow for fast, easy valve or pump rebuilding, making for reduced out of service times. Steps will be provided for access to the top of the pump.



Access to the pump will be provided by raising the cab. The pump will be positioned such that all maintenance and overhaul work can be performed above the frame and under the tilted cab. The service and overhaul work on the pump will not require the removal of operator panels or pump panels. Complete pump casing and gear case removal will require no more than removal of the intake and discharge manifolds, driveline, coolers and a single discharge line. The pump case and gear case will be able to be removed by lifting upward without interference from piping and be removable in less than 3 hours.

PUMP COMPARTMENT LIGHT

A pump compartment light will be provided inside the plumbing area.

A .125" weep hole will be provided in each light lens, preventing moisture retention.

Engine monitoring graduated LED indicators will be incorporated with the pressure controller.

THROTTLE READY GREEN INDICATOR LIGHT

There will be a green indicator light integrated with the pressure governor and/or engine throttle installed on the pump operators panel that is activated when the pump is in throttle ready mode.

AIR HORN SWITCH

An air horn control switch will be provided at the pump operator's control panel. This switch will be red and labeled "Evacuation". The switch will be located within easy reach of the operator in the electrical switch panel. This switch will only operate with the parking brake applied.

VACUUM AND PRESSURE GAUGES

The pump vacuum and pressure gauges will be liquid filled and manufactured by Innovative Controls.

The gauges will be a minimum of 6.00" in diameter and will have white faces with black markings, with a pressure range of 30.00" 0-400 psi.

The pump pressure and vacuum gauges will be installed adjacent to each other at the pump operator's control panel.

Test port connections will be provided at the pump operator's panel. One (1) will be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They will have 0.25 in. standard pipe thread connections and polished stainless steel plugs. They will be marked with a label.

PRESSURE GAUGES

The individual "line" pressure gauges for the discharges will be interlube filled and manufactured by Class 1©.

They will be a minimum of 2.50" in diameter and the dial will have white faces with black markings.

Gauges will have a pressure rating of 0-400 psi.

The individual pressure gauge will be installed as close to the outlet control as practical.

WATER LEVEL GAUGE

An electric water level gauge will be incorporated in the pressure controller that registers water level by means of 9 LEDs. They will be at 1/8 level increments with a tank empty LED. The LEDs will be a bright type that is readable in sunlight, and have a full 180-degree of clear viewing.

To further alert the pump operator, the gauge will have a warning flash when the tank volume is less than 25%, and will have "Down Chasing LEDs when the tank is almost empty.

The level measurement will be ascertained by sensing the head pressure of the fluid in the tank or cell.

MINI SLAVE UNIT

An electric water level gauge will be provided in the cab that registers water level by means of 5 LEDs. They will be at 1/4 level increments with a tank empty LED. The LEDs will be a bright type that is readable in sunlight, and have a full 180-degree of clear viewing.

The water level gauge in the cab will be activated when the pump is in gear.

ADDITIONAL WATER LEVEL GAUGE

There will be three (3) additional Fire Research MaxVision, model WLA280-A00, water tank remote indicator(s) provided and installed one (1) on each side of the cab (behind the crew cab doors/ as high as possible), one (1) on the rear body, left side. The indicators will show the volume of water in the tank on 96 easy to see super bright Tri-color LEDs. The indicator case will be waterproof and manufactured of Polycarbonate material with an integrated lens.

The remote indicator will indicate the level as a single color:

- Red for 25 percent or less
- Amber for up to 50 percent volume
- Blue for up to 75 percent volume
- Green for up to 100 percent volume

When the level reaches 25 percent, the red LEDs will begin flashing. When the level is empty, the red LEDs will scroll in a down-chasing motion and then flash three (3) times.

The flash rate will be determined by the main water tank sensor.

It will have the program capability to adjust the brightness level for day time and night time viewing. The LEDs can also be programmed for different colors.

This module will be activated when the pump is in gear.

CLASS "A" FOAM LEVEL GAUGE

A Fire Research TankVision Pro model WLA360-A00 cell/tank level indicator kit will be installed on the pump operators panel. The kit will include an electronic indicator module, a pressure sensor, a 10' sensor cable and a tank vent. The indicator will show the volume of Class "A" foam concentrate in the cell/tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs will provide for a viewing angle of 180 degrees. The indicator case will be waterproof, manufactured of Polycarbonate/Nylon material and have a distinctive green label.

The program features will be accessed from the front of the indicator module. The program will support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display cell/tank volume, adjustable brightness control levels and a data link to connect remote indicators. Low foam level warnings will include flashing LEDs at 1/4 cell/tank and down chasing LEDs when the cell/tank is almost empty.

The indicator will receive an input signal from an electronic pressure sensor. The sensor will be mounted from the outside of the foam cell/tank near the bottom. No probe will be placed on the interior of the cell/tank. Wiring will be weather resistant and have automotive type plug-in connectors.

CLASS "A" MINI SLAVE UNIT

Fire Research TankVision model WLA265-A00 miniature cell/tank indicator will be installed in the cab. The indicator will show the volume of Class "A" foam concentrate in the cell/tank on five (5) easy to see

super bright LEDs. A wide view lens over the LEDs will provide for a viewing angle of 180 degrees. The indicator case will be manufactured of Polycarbonate material with an integrated lens and have a distinctive green label.

SIDE CONTROL PUMP OPERATOR'S/PUMP PANEL LIGHTING

Illumination will be provided for controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it. Internal and external lights on the apparatus will be illuminated per the current edition of applicable NFPA standards.

The pump panels will be illuminated by two (2) Whelen, Model 01-066D068-01 white LED lights with chrome bezel installed on the back of the cab, one (1) on the driver's side and one (1) on the passenger's side. The LED lights will be mounted as high as practical with the internal light reflector mounted at a 45 degree angle to the ground.

The pump operator's panel will utilize the same LED strip lighting at the forward doorframe as all other compartment lighting.

There will be a small white LED pump engaged indicator light installed overhead.

AIR HORN SYSTEM

Two (2) Grover air horns will be recessed in the front bumper.

The air horns will be chrome.

The air horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed to prevent the loss of air in the brake system.

Air Horn Location

The air horns will be located on each side of the bumper, just outside of the frame rails.

Air Horn Control

The air horn(s) will be activated by the following:

- Steering wheel horn ring with electric/air horn selector switch
- Right side chrome push button switch
- Left side foot switch

ELECTRONIC SIREN

A Whelen, Model: 295SLSC1, electronic siren with a plug-in, detachable noise canceling microphone will be provided.

This siren to be active when the battery switch is on and that emergency master switch is on.

Siren head will be located on a heavy duty swivel bracket mounted on the engine tunnel under the two way radio on the Johnny Ray bracket so that it is accessible to both the driver and officer. The swivel bracket will be capable of rotating a minimum of 180 degrees.

The electronic siren will be controlled on the siren head only. No horn button or foot switches will be provided.

SPEAKERS

There will be two (2) Whelen®, Model SA315P, black nylon composite, 100-watt, speakers with through bumper mounting brackets and polished stainless steel grille provided. Each speaker will be connected to the siren amplifier.

There will be one (1) speaker recessed in the passenger side and one (1) speaker recessed in the driver side of the front bumper. The speakers will be located in the angled corner area of the bumper.

AUXILIARY MECHANICAL SIREN

There will be a Federal Signal Model Q2B mechanical siren furnished and installed in the front of the apparatus.

The Q2B will be chrome finish.

The siren will have a 2-gauge cable connected to a power solenoid that is connected by a 2-gauge cable ran battery direct to the primary chassis batteries and will be labeled Q2B+ at the battery. The power solenoid will only be enabled when the emergency master switch is on.

The siren will have a 2-gauge ground wire connected to the chassis battery stud. The cable will be labeled Q2B- at the battery.

The mechanical siren will be recessed in the front bumper on the left side. The siren will be properly supported using the bumper framework.

MECHANICAL SIREN CONTROL

The mechanical siren will be activated by the following:

- Left side foot switch.
- Right side push button switch

A momentary switch will be included in the left side overhead switch panel to activate the siren brake.

A momentary switch will be included in the right side overhead switch panel to activate the siren brake.

EMERGENCY WARNING SYSTEM CONTROL

There will be an Emergency Warning System provided. The warning system will meet the current NFPA Requirements and be enabled and disabled through switches per the instrument panel layout.

Emergency switching will be controlled by multiple individual warning light switches for various groups or areas of emergency warning lights. An Emergency Master switch provided on the instrument panel that enables or disables all individual warning light switches is included.

Flash patterns and flash rates will be set through the individual lightheads per the manufacturer.

FRONT ZONE UPPER WARNING LIGHTS

There will be an 81.00" Whelen® Freedom™ IV LED lightbar mounted on the cab roof.

The lightbar will include the following:

- One (1) red flashing LED module in the left side rear corner position.
- One (1) dual alley LED module in the left side end position.
- One (1) red flashing LED module in the left side front corner position.
- One (1) red flashing LED module in the left side first front position.
- One (1) white flashing LED module in the left side second front position.
- One (1) red flashing LED module in the left side third front position.
- One (1) white flashing LED module in the left side fourth front position.
- One (1) red flashing LED module in the left side fifth front position.
- One (1) red flashing LED module in the left side sixth front position.
- One (1) red steady burning LED module in the left side seventh front position.
- One (1) red steady burning LED module in the right side seventh front position.
- One (1) red flashing LED module in the right side sixth front position.
- One (1) red flashing LED module in the right side fifth front position.
- One (1) white flashing LED module in the right side fourth front position.
- One (1) red flashing LED module in the right side third front position.
- One (1) white flashing LED module in the right side second front position.
- One (1) red flashing LED module in the right side first front position.
- One (1) red flashing LED module in the right side front corner position.
- One (1) dual alley LED module in the passengers's side end position.
- One (1) red flashing LED module in the right side rear corner position.

There will be clear lenses included on the lightbar.

The following switches may be installed in the cab on the switch panel to control the lightbar:

- a switch to control the flashing LED modules.
- a switch to control the left side alley LED module.
- a switch to control the right side alley LED module.

The white LEDs will be disabled when the parking brake is applied.

The eight (8) red flashing LED modules in the front positions may be load managed when the parking brake is applied.

FRONT ZONE LOWER LIGHTS

There will be two (2) pair of Whelen, Model M6**, LED lights installed on the cab face above the headlights, in a common bezel matching the one for the headlamps. The housing to be polished and the trim shall be chrome.

- The driver's side front outside warning light to be red
- The driver's side front inside warning light to be red
- The passenger's side front inside warning light to be red
- The passenger's side front outside warning light to be red
- The color of the lenses will be the same color as the LED's

There will be a switch located in the cab on the switch panel to control the lights.

HEADLIGHT FLASHER

The high beam headlights will flash alternately between the left and right side.

There will be a switch installed in the cab on the switch panel to control the high beam flash. This switch will be live when the battery switch and the emergency master switches are on.

The flashing will automatically cancel when the hi-beam headlight switch is activated or when the parking brake is set.

SIDE ZONE LOWER LIGHTING

There will be four (4) Whelen®, Model M6**, 4.31" high x 6.75" long x 1.37" deep flashing LED warning lights with chrome trim installed per the following:

- Two (2) lights located, one (1) each side on the bumper extension. The driver's side, side front light to include red warning LEDs and the passenger's side, side front light to include red warning LEDs.
- Two (2) lights located, one (1) each side, centered above rear wheels. The driver's side, side rear light to include red warning LEDs and the passenger's side, side rear light to include red warning LEDs.
- The warning light lens colors to be the same as the LEDs.

There will be a switch in the cab on the switch panel to control the lights.

WARNING LIGHTS (SIDE)

There will be four (4) Whelen LIN3 Super LED lights, Model RS*02ZCR, provided and located in the body rub rails located under LS1, LS3, RS1 and RS3.

The color of each light will be red LED with clear lens.

Each light will be provided with a chrome plated ABS flange.

The light(s) will be activated with the side warning switch.

REAR ZONE LOWER LIGHTING

There will be two (2) Whelen®, Model M6*, LED flashing warning lights will be located at the rear of the apparatus.

- The driver's side rear light to be red
- The passenger's side rear light to be red

Both lights will include a lens that is the same color as the LED's.

There will be a switch located in the cab on the switch panel to control the lights.

REAR AND SIDE ZONE UPPER WARNING LIGHTS

There will be two (2) Whelen, Model M6* LED warning lights provided at the rear of the apparatus, facing the rear, one (1) light provided on each side with Whelen, Model M6FC chrome flanges.

- The rear upper light(s) on the passenger's side to be red.
- The rear upper light(s) on the driver's side to be red.

There will be one (1) Whelen, Model M9* LED warning light provided on the driver side of the vehicle, located at the rear and facing the side, mounted high with Whelen, Model M9FC chrome flanges.

- The side rear upper light(s) on the driver's side to be red.

There will be one (1) Whelen, Model M9* LED warning light provided on the passenger side of the vehicle, located at the rear and facing the side, mounted high Whelen, Model M9FC chrome flanges.

- The side rear upper light(s) on the passenger's side to be red.

The color of the lenses will be the same color as the LED's.

There will be a switch located in the cab on the switch panel to control the lights.

REAR LIGHT MOUNTING

The rear warning lights will be mounted on the rear side sheet flange and rear bulkhead of the body as high as possible with all wiring totally enclosed.

TRAFFIC DIRECTING LIGHT

There will be one (1) Whelen®, Model TAM83, 30.87" long x 1.75" high x 2.18" deep, amber LED traffic directing light installed at the rear of the apparatus.

The Whelen, Model TACTL5, control head will be included with this installation.

The controller will be energized when the battery switch is on.

The auxiliary flash to be activated when the emergency master switch is on.

This traffic directing light will be recessed with a stainless steel trim plate at the rear of the apparatus as high as practical.

The traffic directing light control head will be located in the passenger's side overhead switch panel in the left panel position.

120 VOLT RECEPTACLE

There will be six (6), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with an interior stainless steel wall plate, installed one (1) in each side body compartment. Exact location to be determined at the pre-construction conference. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the shoreline to120 volt AC power inverter external transfer sw.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Ratting (amps)
- Phase
- Frequency

ZICO QM-MEH-1 (4 PLACE) MULTI TOOL HOLDER

There will be one (1) Zico QM-MEH-1 (4 place) multi tool holder mounting unit installed LS1, forward portion.

The unit will consist of one spinning base plate with a center square pillar mounted to its surface.

There will be four surfaces on this central square pillar to which the tools will strap to. Each surface can accessed by locking 90 degree rotations either clockwise or counterclockwise directions

The four (4) tools to be stored will be to be determined at the pre-construction conference.

Straps will be provided towards the top of each mounting surface on the pillar.

LOOSE EQUIPMENT

The following equipment will be furnished with the completed unit:

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

NFPA LOOSE EQUIPMENT

NFPA Required Loose Equipment Provided by Fire Department

The following loose equipment as outlined in NFPA 1900, 2024 edition, table 8.1 and CAN/ULC 515:2024 edition, section 5.2 will be provided by the fire department:

- One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, *Standard for High Visibility Public Safety Vests*, and have a five-point breakaway feature that includes two (2) at the shoulders, two (2) at the sides, and one (1) at the front.

- Five (5) fluorescent orange traffic cones not less than 28.00" (711 mm) in height, each equipped with a 6.00" (152 mm) retro-reflective white band no more than 4.00" (152 mm) from the top of the cone, and an additional 4.00" (102 mm) retro-reflective white band 2.00" (51 mm) below the 6.00" (152 mm) band.
- Five (5) illuminated warning devices such as highway flares, unless the five (5) fluorescent orange traffic cones have illuminating capabilities.

NFPA Loose Equipment That Should be Considered

The following loose equipment as outlined in NFPA 1900, 2024 edition, appendix table A.8.4 (a) and CAN/ULC 515:2024 edition, section 5.2 should be considered:

- 800 ft (60 m) of 2.50" (65 mm) or larger fire hose.
- 400 ft (120 m) of 1.50" (38 mm), 1.75" (45 mm), or 2.00" (52 mm) fire hose.
- One (1) handline nozzle, 200 gpm (750 L/min) minimum.
- Two (2) handline nozzles, 95 gpm (360 L/min) minimum.
- One (1) smooth bore or combination nozzle with shutoff and with 2.50" (65 mm) inlet that flows a minimum of 250 gpm (950 L/min).
- Four (4) SCBA apparatus
- Four (4) SCBA spare cylinders
- One (1) first aid kit.
- Four (4) combination spanner wrenches.
- Two (2) hydrant wrenches.
- One (1) double female 2.50" (65 mm) adapter with national hose (NH) threads.
- One (1) double male 2.50" (65 mm) adapter with national hose (NH) threads.
- One (1) rubber mallet, for use on suction hose connections.
- Two (2) salvage covers each a minimum size of 12 ft × 18 ft (3.7 m × 5.5 m).
- One (1) automatic external defibrillator (AED).

SOFT SUCTION HOSE

There will be no soft suction hose provided.

STRAINER PROVIDED BY DEALER

NFPA 1900, 2024 edition, section 8.3 and CAN/ULC S515:2024 edition, section 5.2 requires a suction strainer when suction hose is provided.

The strainer is not on the apparatus as manufactured. The dealer will provide the suction strainer.

PAINT PROCESS

The exterior custom cab and body painting procedure will consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Imperfections on the exterior surfaces will be removed and sanded to a smooth finish. Exterior seams will be sealed before painting. Exterior surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.
2. Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion.
3. Surfacer Primer - The Surfacer Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surfacer Primer is applied to surfaces that require a Critical aesthetic finish. The Surfacer Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
4. Finish Sanding - The Surfacer Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.
5. Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surfacer Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when topcoated.
6. Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
7. Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacturer.

After the cab and body are painted, the color will be verified to make sure that it matches the color standard. Electronic color measuring equipment will be used to compare the color sample to the color standard entered into the computer. Color specifications will be used to determine the color match. A Delta E reading will be used to determine a good color match within each family color.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and painted separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.

The paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) are to meet or exceed Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels are to meet or exceed the #6 A.C.T. standard in critical areas. The manufacturer's written paint standards will be available upon request.

Environmental Impact

Contractor will meet or exceed all current state regulations concerning paint operations. Pollution control will include measures to protect the atmosphere, water and soil. Controls will include the following conditions:

- Topcoats and primers will be chrome and lead free.
- Metal treatment chemicals will be chrome free. The wastewater generated in the metal treatment process will be treated on-site to remove any other heavy metals.
- Particulate emission collection from sanding operations will have a 99.99 percent efficiency factor.
- Particulate emissions from painting operations will be collected by a dry filter or water wash process. If the dry filter is used, it will have an efficiency rating of 98 percent. Water wash systems will be 99.97 percent efficient.
- Water from water wash booths will be reused. Solids will be removed on a continual basis to keep the water clean.
- Paint wastes are disposed of in an environmentally safe manner.
- Empty metal paint containers will be recycled to recover the metal.
- Solvents used in clean-up operations will be recycled on-site or sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus will not be manufactured with or contain products that have ozone depleting substances. Contractor will, upon demand, present evidence that the manufacturing facility meets the above conditions and that it is in compliance with his state EPA rules and regulations.

TWO-TONE CAB PAINT

The cab will be painted two-tone with the upper section painted #101 black and the lower section painted #90 red. There will be a standard two-tone cab paint break provided.

There will be a standard cab shield provided.

BODY PAINT

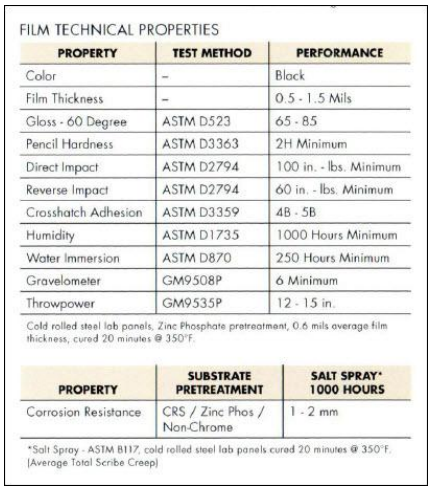
The body will be painted to match the lower section of the cab.

PAINT CHASSIS FRAME ASSEMBLY

The chassis frame assembly will be finished with a single system black top coat before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc.

Components that are included with the chassis frame assembly that will be painted (unless otherwise stated in a secondary option) are:

- Frame rails
- Frame liners
- Cross members
- Axles
- Suspensions
- Steering gear
- Battery boxes
- Bumper extension weldment
- Frame extensions
- Body mounting angles
- Rear Body support substructure (front and rear)
- Pump house substructure
- Steel fuel tank
- Castings
- Individual piece parts used in chassis and body assembly



FILM TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Color	–	Black
Film Thickness	–	0.5 - 1.5 Mils
Gloss - 60 Degree	ASTM D523	65 - 85
Pencil Hardness	ASTM D3363	2H Minimum
Direct Impact	ASTM D2794	100 in. - lbs. Minimum
Reverse Impact	ASTM D2794	60 in. - lbs. Minimum
Crosshatch Adhesion	ASTM D3359	4B - 5B
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Gravelometer	GM9508P	6 Minimum
Throwpower	GM9535P	12 - 15 in.

Cold rolled steel lab panels, Zinc Phosphate pretreatment, 0.6 mils average film thickness, cured 20 minutes @ 350°F.

PROPERTY	SUBSTRATE PRETREATMENT	SALT SPRAY* 1000 HOURS
Corrosion Resistance	CRS / Zinc Phos / Non-Chrome	1 - 2 mm

*Salt Spray - ASTM B117, cold rolled steel lab panels cured 20 minutes @ 350°F. (Average Total Scribe Creep)

Components treated with epoxy E-coat protection prior to paint:

- Two (2) C-channel frame rails
- Two (2) frame liners

The E-coat process will meet the technical properties shown.

AXLE HUB PAINT

All axle hubs will be painted to match lower job color.

COMPARTMENT INTERIOR PAINT

The interior of all compartments will be painted with a gray spatter finish for ease of cleaning and to make it easier to touch up scratches and nicks.

REFLECTIVE STRIPES

Three (3) reflective stripes will be provided across the front of the vehicle and along the sides of the body. The reflective band will consist of a 1.00" gold stripe at the top with a 1.00" gap then a 6.00" black stripe with a 1.00" gap and a 1.00" gold stripe on the bottom.

REFLECTIVE ACROSS CAB FACE

The reflective band provided on the cab face will be above, below or at the headlight level.

REAR CHEVRON STRIPING

There will be alternating chevron striping located on the rear-facing vertical surface of the apparatus. The rear surface, excluding the rear roll up door, will be covered.

The colors will be red and yellow diamond grade.

Each stripe will be 6.00" in width.

This will meet the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface will be covered with chevron striping.

FOLDED RIBBON IN REFLECTIVE STRIPE
There will be one (1) folded type ribbon/s added to the reflective stripe on compartments D3 and P3.

REFLECTIVE STRIPE OUTLINE
A black outline will be applied on the top and the bottom of the reflective band. There will be two (2) set of outline stripes required.

CAB DOOR REFLECTIVE STRIPE
A 6.00" x 16.00" red diamond grade reflective stripe will be provided across the interior of each cab door. The stripe will be located approximately 1.00" up from the bottom, on the door panel.

This stripe will meet the current edition of applicable NFPA standards.

CAB STRIPE
There will be a genuine gold leaf stripe provided on both sides of the cab in place of the chrome molding and on the cab face with shield.

LETTERING
The lettering will be totally encapsulated between two (2) layers of clear vinyl.

LETTERING
There will be genuine gold leaf lettering, 4.00" high, with outline and shade provided. There will be 12 letters provided.

LETTERING
There will be reflective lettering, 10.00" high, with outline and shade provided. There will be four (4) letters provided.

LETTERING
There will be genuine gold leaf lettering, 3.00" high, with outline and shade provided. There will be 19 letters provided.

LETTERING
There will be reflective lettering, 3.00" high, with outline and shade provided. There will be 12 letters provided.

LETTERING
Twenty-one (21) to forty (40) genuine gold leaf lettering, 6.00" high, with outline and shade will be provided.

PAINTED PLATE FOR LETTERING

There will be one (1) painted job color aluminum sign panel(s) provided for the department's graphics/lettering. The panel(s) will be sized to fit and mounted to the upper side sheet area that is above the catwalk on the passenger side(s).

EMBLEMS

There will be a pair of American flag emblems, installed one (1) on the left side fixed side cab window and one (1) on the right side fixed side cab window. The emblem will be waving and made out of Gerber Vision material.

EMBLEM

A emblem showing a firefighter silhouette and "343" with American flag design will be installed on the vehicle. The emblem will be made with a reflective material. The size will be approximately 18.00"-20.00" high.

EMBLEM

There will be one (1) pair of emblems with the words "HONORING AMERICA'S BRAVEST 9-11-01" and a firefighter's helmet will be mounted one (1) on the LS1 compartment door and one (1) on the RS1 compartment door.one (1) on the LS1 compartment door and one (1) on the RS1 compartment door The emblems will be color imaged.

MALTESE CROSS INSTALLATION

There will be one (1) pair of maltese crosses, comprised of genuine gold leaf material, provided and installed one (1) on the driver's door and one (1) on the officers door.

LETTERING/NUMERALS ON CAB GRILLE

Two (2) painted letters/numerals with outline, as determined by the fire department, will be provided on the cab grille.

FIRE APPARATUS PARTS MANUALS

There will be two (2) custom parts manuals for the complete fire apparatus provided. There will be one (1) hard copy and one (1) USB flash drive copy provided.

The manuals will contain the following:

- Job number
- Part numbers with full descriptions
- Table of contents
- Parts section sorted in functional groups reflecting a major system, component, or assembly
- Parts section sorted in alphabetical order
- Instructions on how to locate parts

The manuals will be specifically written for the chassis and body model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

SERVICE PARTS INTERNET SITE

The service parts information included in these manuals are also available on the factory website. The website offers additional functions and features not contained in this manual, such as digital photographs and line drawings of select items. The website also features electronic search tools to assist in locating parts quickly.

CHASSIS SERVICE MANUALS

There will be two (2) chassis service manuals containing parts and service information on major components provided. There will be one (1) hard copy and one (1) USB flash drive copy provided with the completed unit.

The manual will contain the following sections:

- Job number
- Table of contents
- Troubleshooting
- Front Axle/Suspension
- Brakes
- Engine
- Tires
- Wheels
- Cab
- Electrical, DC
- Air Systems
- Plumbing
- Appendix

The manual will be specifically written for the chassis model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

CHASSIS OPERATION MANUALS

There will be two (2) hard copies and one (1) USB flash drive provided that will include all of the same information. Manuals will be in the English language.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, will be provided.

ONE (1) YEAR MATERIAL AND WORKMANSHIP

A Pierce basic apparatus limited warranty certificate, WA0008, is included with this proposal.

ENGINE WARRANTY

A Paccar five (5) year limited engine warranty will be provided. A limited warranty certificate is included with this proposal.

STEERING GEAR WARRANTY

A Sheppard **three (3) year** limited steering gear warranty will be provided. A copy of the warranty certificate will be submitted with this proposal.

FIFTY (50) YEAR STRUCTURAL INTEGRITY

The Pierce custom chassis frame only (does not include crossmembers) limited warranty certificate, WA0013, is included with this proposal.

FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

The Pierce TAK-4 suspension limited warranty certificate, WA0050, is included with this proposal.

SINGLE REAR AXLE FIVE (5) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor™ Axle 5 year limited warranty will be provided.

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor Wabco™ ABS brake system limited warranty certificate, WA0232, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce custom cab limited warranty certificate, WA0012, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce cab limited pro-rated paint warranty certificate, WA0055, is included with this proposal.

FIVE (5) YEAR MATERIAL AND WORKMANSHIP

The Pierce Command Zone electronics limited warranty certificate, WA0014, is included with this proposal.

CAMERA SYSTEM WARRANTY

A Pierce fifty four (54) month warranty will be provided for the camera system**.**

COMPARTMENT LIGHT WARRANTY

The Pierce 12 volt DC LED strip lights limited warranty certificate, WA0203, is included with this proposal.

TRANSMISSION WARRANTY

The transmission will have a **five (5) year/unlimited mileage** warranty covering 100 percent parts and labor. The warranty will be provided by Allison Transmission.

Note: The transmission cooler is not covered under any extended warranty you may be getting on your Allison Transmission. Please review your Allison Transmission warranty for coverage limitations.

TRANSMISSION COOLER WARRANTY

The transmission cooler will carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty will also be in effect for the first three (3) years of the

warranty coverage and will not exceed $10,000 per occurrence. A copy of the warranty certificate will be included with this proposal.

WATER TANK WARRANTY

A UPF poly water tank limited warranty certificate, WA0195, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce apparatus body limited warranty certificate, WA0009, is included with this proposal.

ROLL UP DOOR MATERIAL AND WORKMANSHIP WARRANTY

An AMDOR roll-up door limited warranty will be provided. The roll-up door will be warranted against manufacturing defects for a period of **ten (10) years**. A **five (5) year** limited warranty will be provided on painted roll up doors.

The limited warranty certificate, WA0185, is included with this proposal.

SIX (6) YEAR PARTS, ONE (1) YEAR LABOR

The pump and its components will be provided with a six (6) year parts and one (1) year labor limited warranty. The manufacturer's warranty will provide that the pump and its components will be free from failures caused by defects in material and workmanship that would arise under normal use and service.

A copy of the warranty certificate will be submitted with the bid package.

TEN (10) YEAR PUMP PLUMBING WARRANTY

The Pierce apparatus plumbing limited warranty certificate, WA0035, is included with this proposal.

FOAM SYSTEM WARRANTY

The Husky 12 foam system limited warranty certificate, WA0231, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce body limited pro-rated paint warranty certificate, WA0057, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce Goldstar gold leaf lamination limited warranty limited warranty certificate, WA0018, is included with this proposal.

VEHICLE STABILITY CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the apparatus complies with NFPA 1900, current edition, section 7.14, Vehicle Stability. The certification is included with this proposal.

ENGINE INSTALLATION CERTIFICATION

The fire apparatus manufacturer will provide a certification, along with a letter from the engine manufacturer stating they approve of the engine installation in the bidder's chassis. The certification will be provided at the time of delivery.

POWER STEERING CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the power steering system as installed meets the requirements of the component supplier. The certification is included with this proposal.

CAB INTEGRITY CERTIFICATION

The fire apparatus manufacturer will provide a cab crash test certification with this proposal. The certification will state that a specimen representing the substantial structural configuration of the cab has been tested and certified by an independent third party test facility. Testing events will be documented with photographs, real-time and high-speed video, vehicle accelerometers, cart accelerometers, and a laser speed trap. The fire apparatus manufacturer will provide a state licensed professional engineer to witness and certify all testing events. Testing will meet or exceed the requirements below:

- SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks.
- European Occupant Protection Standard ECE Regulation No.29.
- SAE J2420 COE Frontal Strength Evaluation - Dynamic Loading Heavy Trucks.

Side Impact

The cab will be subjected to dynamic preload where a 14,320-lb moving barrier is slammed into the side of the cab at 5.50 mph, striking with an impact of 13,000 ft-lb of force. This test is part of the SAE J2422 test procedure and more closely represents the forces a cab will see in a rollover incident.

Frontal Impact

The same cab will withstand a frontal impact of 32,600 ft-lb of force using a moving barrier in accordance with SAE J2420.

Additional Frontal Impact

The same cab will withstand a frontal impact of 65,098 ft-lb of force using a moving barrier. (Twice the force required by SAE J2420)

Roof Crush

The cab will be subjected to a roof crush force of 22,500 lb. This value meets the ECE 29 criteria, and is equivalent to the front axle rating up to a maximum of ten (10) metric tons.

Additional Roof Crush

The same cab will be subjected to a roof crush force of 110,000 lbs. (Four and a half times the load criteria of ECE 29)

The same cab will withstand all tests without any measurable intrusion into the survival space of the occupant area.

CAB DOOR DURABILITY CERTIFICATION

Robust cab doors help protect occupants. Cab doors will survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder will certify that the sample doors similar

to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.

WINDSHIELD WIPER DURABILITY CERTIFICATION

Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers will survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 *Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles.* The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.

ELECTRIC WINDOW DURABILITY CERTIFICATION

Cab window roll-up systems can cause maintenance problems if not designed for long service life. The window regulator design will complete 30,000 complete up-down cycles and still function normally when finished. The bidder will certify that sample doors and windows similar to those provided on the apparatus have been tested and have met these criteria without malfunction or significant component wear.

SEAT BELT ANCHOR STRENGTH

Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design will withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder will certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design will be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder will certify, at time of delivery, that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

PERFORMANCE CERTIFICATIONS

Cab Air Conditioning

Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system will cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 78 degrees Fahrenheit in 30 minutes. The bidder will certify that a substantially similar cab has been tested and has met these criteria.

Cab Defroster

Visibility during inclement weather is essential to safe apparatus performance. The defroster system will clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure And Performance Requirements - Trucks, Buses, And Multipurpose Vehicles. The bidder will certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.

Cab Auxiliary Heater

Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. An auxiliary cab heater will warm the cab 77 degrees Fahrenheit from a cold-soak, within 30 minutes when tested using the coolant supply methods found in SAE J381. The bidder will certify, at time of delivery, that a substantially similar cab has been tested and has met these criteria.

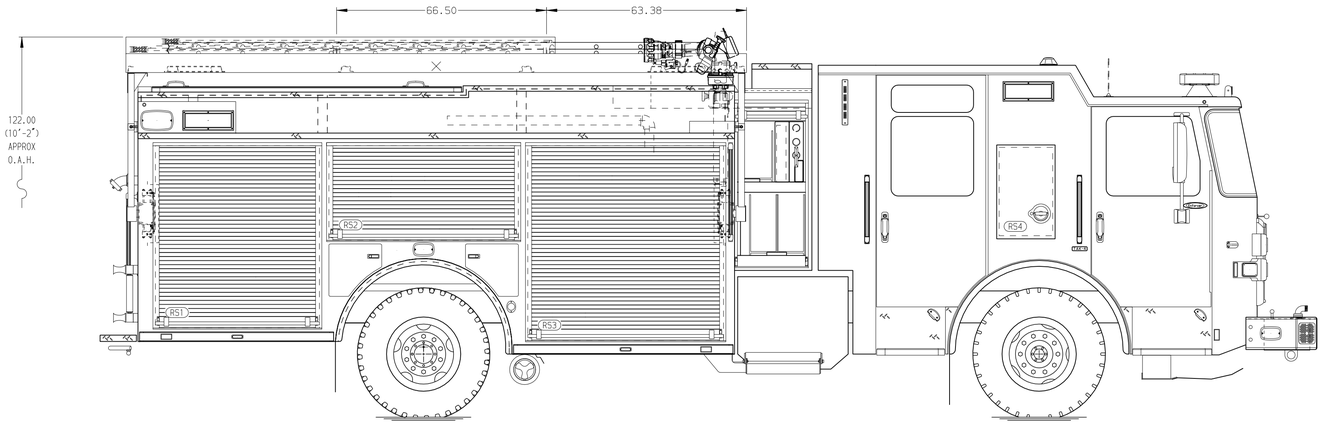
AMP DRAW REPORT

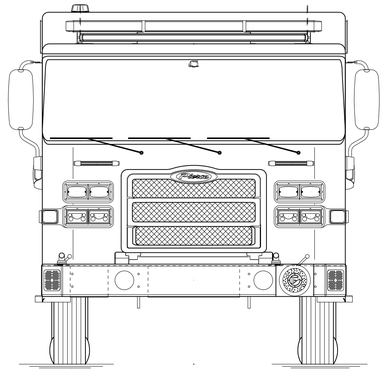
The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

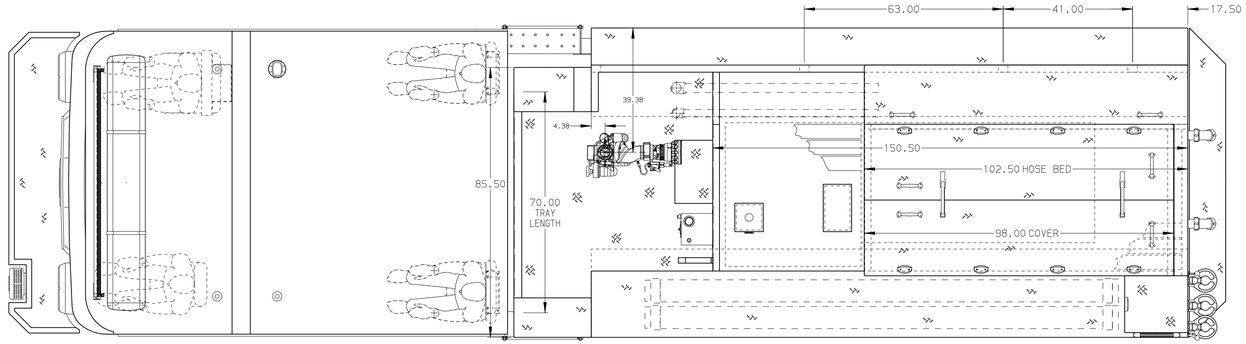
The manufacturer of the apparatus will provide the following:

- Documentation of the electrical system performance tests.
- A written load analysis, which will include the following:
    - The nameplate rating of the alternator.
    - The alternator rating under the conditions specified per:
        - Current edition of applicable NFPA standards.
    - The minimum continuous load of each component that is specified per:
        - Current edition of applicable NFPA standards.
    - Additional loads that, when added to the minimum continuous load, determine the total connected load.
    - Each individual intermittent load.

All of the above listed items will be provided by the bidder per the current edition of applicable NFPA standards.

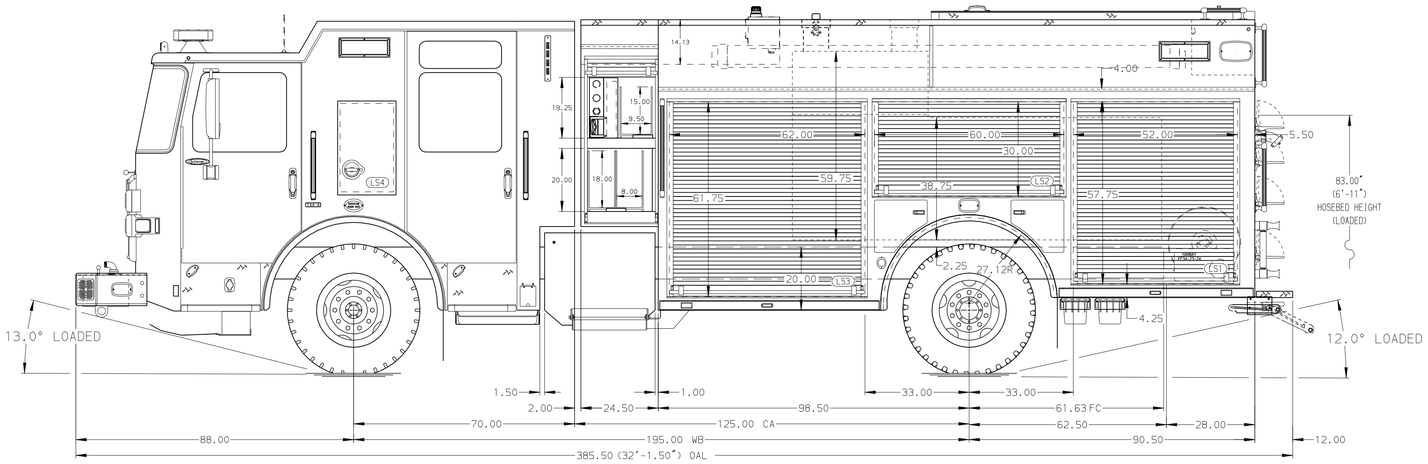


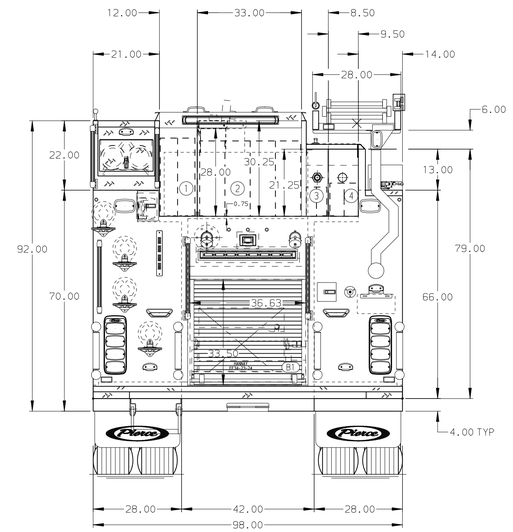


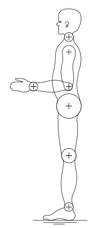


HOSEBED CAPACITIES

1 - 500' OF 3.00" D.J. POLY HOSE
2 - 1000' OF 5.00" D.J. POLY HOSE
3 - 200' OF 1.75" D.J. POLY HOSE
4 - 200' OF 2.25" D.J. POLY HOSE







NFPA 1900 (2024) COMPLIANT

ALUMINUM BODY

NOTE

DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR DEVIATIONS AS MAY OCCUR OR BE NECESSARY IN CONSTRUCTION.
MINOR DETAILS NOT SHOWN.

CUSTOMER APPROVAL

APPROVED BY: _____

DATE: _____

MANUFACTURING INC.

REV	DATE	BY	CH	CHASSIS DATA
V	20MAR26	ARI	NPA	MODEL: ENFORCER

MAKE: PIERCE

TITLE: 2000GPM, 775G TANK, 750G WATER, 25G FOAM CELL
189" RESCUE PUC, MUX

FOR: WILLOWS FIRE DEPARTMENT BID# 1140
GOLDEN STATE FIRE APPARATUS, INC JON BAUER

DWG NO. 73333

JOB NO.	PRELIM
SCALE	1:24
DATE	
DRAWN BY	ARI
DATE	12FEB26
CHECKED BY	NPA
DATE	12FEB26
SHEET SIZE	D
SHEET NO.	1 OF 1

Electrical Analysis

5/3/2026

Bid #: 1140

Desc: Enforcer PUC 189"

Customer: Willows Fire Department

Option: Pierce Command Zone, Advanced Electronics & Control System, Enforcer, WiFi CZT

Job #:

Sales Rep: Bauer, Jon

Organization: Golden State Fire Apparatus, Inc

Type: Multiplexed

Option	Description	Type*	Minimum Load	Intermittent Load	Total Connected
0001244	High Idle w/Electronic Engine, Custom		0.00	1.20	0.00
0072153	Primer, Trident, Air Prime, Air Operated		0.00	0.00	0.00
0079211	Batteries, (6) Stryten/Exide Grp 31, 950 CCA each, Threaded Stud		0.00	3.00	0.00
0081564	Alarm, Back-Up Warning, ECCO 505, 87db Constant		0.00	0.50	0.00
0520326	Light, Pump Compt, PUC		0.00	1.80	0.00
0549333	Indicators, Engine, Included with Pressure Controller		0.00	0.35	0.00
0583938	Lights, Engine Compt, Custom, Auto Sw, Wln 3SC0CDCR, 3"		0.00	0.30	0.00
0587935	Lights, Side, Wln RS*02ZCR, Horizontally Mtd/Rec in Rub Rail,		0.00	0.00	2.00
0604028	Water Level Gauge, FRC, MaxVision WLA280-A00 Programmable		0.00	0.00	0.00
0605064	Control, Air Horn at Pmp Pnl, Red Switch, Labeled "Evacuation"		0.00	0.16	0.00
0605452	Microphone Clip Kit, Magnetic		0.00	0.00	0.00
0610253	Reel, Booster, Aluminum, Rear Tailboard Compt, No Rollers, PUC		0.00	36.00	0.00
0630636	Controls, Electric Roll-Up Windows, 4dr, 4 Driver Controls, Saber		0.00	26.00	0.00
0639727	Cab Lift, Elec/Hyd, Manual Override, Saber FR/Enforcer		0.00	180.00	0.00
0673123	Light, Do Not Move Apparatus, Wln 3SR00FRR LED		0.00	0.30	0.00
0735687	Engine Brake, Fully Integrated, Paccar MX13 Engine		0.00	0.42	0.00
0774127	Intercom, Firecom 5200D Dual Radio, 1 Wireless Base Station,		0.00	0.00	0.50
0793529	Dash Switch, Firecom, Push-To-Talk		0.00	0.00	0.00
0806466	Lights, Backup, Wln M62BU, LED, For Tail Lt Housing		0.00	3.20	0.00
0820509	ESC/ABS/ATC Wabco Brake System, Single Rear Axle, NFPA		0.00	6.00	0.00
0822465	Foam Sys, Husky 12, Single Agent, PUC NG, PTO, Multi Select		0.00	5.00	0.00
0832298	Camera, Pierce, LS Mux, RS, R, Cameras, AHD		0.00	1.20	0.00
0834413	USB, Cab, 4, 12V DC, Dual USB Termination, Batt Dir.		0.00	0.00	10.00
0837865	Lights, Wln, S30M** 30" 12VDC, ID Lts Not Con, Recessed		0.00	0.00	5.86
0837947	Cable, Firecom Radio Interface Extension, 15'		0.00	0.00	0.00
0837948	Dash Switch, Firecom, Push-To-Talk, Wireless, Cab		0.00	0.00	0.00
0895310	Siren, Federal Q2B		0.00	100.00	0.00
0898549	Cab Air Filtration, TFT CrewProtect 100, 12v DC, Loc, CARE		0.00	0.00	1.50
0722696	HVAC, Standard-Duty, Enforcer, CARE	Load Managed	0.00	0.00	100.00
0763608	Lights, Wln, PCPSM2*, Pioneer, 12 VDC, 2nd	Load Managed	0.00	0.00	12.00
0763610	Lights, Wln, PCPSM2*, Pioneer, 12 VDC, 1st	Load Managed	0.00	0.00	12.00
0768059	Lights, Wln, PCPSM2* Pioneer, 12 VDC, 2nd	Load Managed	0.00	0.00	12.00
0768061	Lights, Wln, PCPSM2* Pioneer, 12 VDC, 1st	Load Managed	0.00	0.00	12.00
0820904	Wiring, Spare, 15 A 12V DC 1st NFPA1900/ULC	Load Managed	0.00	0.00	45.00
0821308	Wiring, Spare, 30 A 12V DC 1st NFPA1900/ULC	Load Managed	0.00	0.00	60.00
0889297	Radio, APTIV, AM/FM/USB/WB, Integrated SiriusXM Satellite,	Load Managed	0.00	0.00	4.00
0002758	Amp Draw, NFPA/ULC Radio Allowance	NFPA	5.00	0.00	0.00
0092582	Load Manager/Sequencer, MUX	NFPA	0.56	0.56	0.00
0516983	Gauges, Engine, Included With Pressure Controller, PUC	NFPA	0.30	0.00	0.00
0533071	Siren, Wln 295SLSC1, 100 or 200 Watt, w/Plug-in/Detachable	NFPA	0.80	7.20	0.00
0535157	Lights, Clearance/Marker/ID, Rear, Truck-Lite 33050R LED 7Lts,	NFPA	0.50	0.00	0.00
0537280	Gauge, Water Level, Pierce, In pressure Controller, W/Mini Slave	NFPA	1.23	0.00	0.00
0557322	Lights, Step, P25 at Rear Tailboard, PUC, 4lts Perm Lts	NFPA	0.50	0.00	0.00
0564654	Lights, Rear Zn Lwr, Wln M6*, Colored Lens, For Tail Light	NFPA	1.80	2.70	0.00
0596586	Lights, Rear/Side Up Zone, Wln M9* Side, M6* Rear, Lens	NFPA	4.20	6.30	0.00
0599445	Rear, Rollup, 33.50" F-F, Tailboard, PUC/HDRP	NFPA	0.90	0.00	0.90
0603606	Cab Instruments, Ivory Gauges, Chrome Bezels, Enf MUX	NFPA	1.26	0.00	0.00

* UDMC = User Defined Mission Critical, LM = User Defined Load Managed, S = Electrical Amperage Supply

Electrical Analysis

5/3/2026

Bid #: 1140

Desc: Enforcer PUC 189"

Customer: Willows Fire Department

Option: Pierce Command Zone, Advanced Electronics & Control System, Enforcer, WiFi CZT

Job #:

Sales Rep: Bauer, Jon

Organization: Golden State Fire Apparatus, Inc

Type: Multiplexed

Option	Description	Type*	Minimum Load	Intermittent Load	Total Connected
0611614	Handrails, 10", Below Cab Windshield, Hansen Knurled Alum,	NFPA	0.20	0.00	0.00
0617901	Lights, Perimeter Pump House, TecNiq T10-LC00-1 15" LED 2lts	NFPA	0.80	0.00	0.00
0620054	Light, Directional/Marker, Intermediate, Weldon 9186-8580-29	NFPA	0.10	0.90	0.00
0625646	Cab, Enforcer, 7010, PUC	NFPA	6.80	10.20	0.00
0626588	Lights, Perimeter Cab, TecNiq T10-LC00-1 15" LED 4Dr	NFPA	1.60	0.00	0.00
0629833	Cabinet, (2) Rr Fcng, Overhead, 21 W x 10 H x 20 D, SFR/Enf	NFPA	0.21	0.21	0.00
0645639	Lights, Rear Scene, Wln, PEL*C LED, 45 Deg Flange	NFPA	1.70	0.00	0.00
0645869	Lights, Hose Bed, Sides, Wln 01-066D068-00 Blk Trim LED, 1.87"	NFPA	4.80	0.00	0.00
0647632	Lights, Dome, Wln 60C*EGCS Dual LED 4 Lts	NFPA	3.00	3.00	0.00
0647929	Lights, Directional/Marker, Cab Front Side, Truck-Lite	NFPA	0.12	0.00	0.00
0653937	Flasher, Headlight Alternating	NFPA	0.08	0.00	0.00
0671278	Light, Pump Operator & Panel, Side Ctrl, PUC, Wln 01-066D068-	NFPA	7.84	0.00	0.00
0724463	Controller, Pressure, Pierce LCD , PUC	NFPA	1.70	0.00	0.00
0731454	Lights, Perimeter Body, TecNiq T10-LC00-1 15" LED 2lts, Rear	NFPA	0.80	0.00	0.00
0734373	Lights, Clearance/Marker, Side, Truck-Lite 33050Y 2 Lts, Others	NFPA	0.49	0.00	0.00
0736670	Headlights, Rect LED, HiViz FT-4X6-4KIT, AXT/Enf/Imp/Sab/Vel,	NFPA	7.66	7.66	0.00
0739224	Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure	NFPA	0.10	0.00	0.00
0743291	Lightbar, Wln, Freedom IV-V, 81",	NFPA	9.60	6.96	12.40
0746667	Lights, Side Zone Lower, Wln M6**, M6**, 4Lts	NFPA	3.60	5.40	0.00
0747660	Lights, Crosslay Compt, Forward LED, 2Lts	NFPA	1.20	0.00	0.00
0749661	Light, Roof Mt, Wln S72M**, 72" Cnt Feature, Mkr Lts Activated	NFPA	0.32	0.00	18.68
0755556	Lights, Hyd Lad Rack Deployed, Wln M4**	NFPA	0.10	0.00	0.00
0761731	Lights, Front Zone, Wln M6** M6** M6** M6**, 4lts Q Bezel, Clr	NFPA	3.60	5.40	0.00
0770200	Handrail, Exterior, Hansen, Knurled, Alum, LED Backlit, 4-Door	NFPA	0.80	0.00	0.00
0781276	LS 189" Rollup, Full Height/Depth Compts, Raised Rear 4", PUC	NFPA	6.00	0.00	6.00
0790412	Air Dryer, Wabco System Saver 1200 IWT, Heated, SFR/Enf	NFPA	7.81	0.00	0.00
0791467	Light, Traffic Directing, Wln TAM83, 30.87" Long LED	NFPA	1.60	1.60	0.00
0802450	Inverter, Xantrex Freedom X, 817-1000, Rated @ 750W	NFPA	97.66	0.00	0.00
0804514	Lights, Tail, Wln M62BTT* Red Stop/Tail & M62T* Amber Dir Arw	NFPA	0.83	2.49	0.00
0808515	Engine, Paccar MX, 510HP, 1850 lb-ftW/OBD, EPA 2027, Saber	NFPA	6.00	0.00	0.00
0814201	Vehicle Information Center, 7" Color Display, Touchscreen, MUX,	NFPA	1.20	0.00	0.00
0819959	Cabinet, Fwd Fcng, Ctr, 32 W x 50 H x 20 D, Roll, SFR/Enf	NFPA	0.50	0.50	0.00
0839450	RS 189" Rollup, Full Height/Depth Compts, Raised Rear 4", PUC	NFPA	6.00	0.00	6.00
0840415	Light, Directional, Wln 600 Cmb, Cab Crn, Wrp Bzl Out HD Lts,	NFPA	1.15	1.15	0.00
0840640	189" Hatch, No Top Doors, 21" Wide, Left Side Only, PUC/HDRP	NFPA	3.25	3.25	0.00
0840668	Cabinet, Rear Facing, LS, 23 W x 28 H x 22.75 D, Roll, Ext Acc,	NFPA	0.42	0.42	0.00
0840675	Cabinet, Rear Facing, RS, 22 W x 28 H x 22.75 D, Roll, Ext Acc,	NFPA	0.42	0.42	0.00
0887546	Trans, Allison 6th Gen, 4000 EVS P, w/Prognostics,	NFPA	2.00	2.00	0.00
0889521	DEF Tank, 7.3 Gallon, LS Fill, Under Cab, Paccar, Lift Up Fill Dr,	NFPA	0.60	11.40	0.00
0889577	Bracket, License Plate & Light, P25 LED, Stainless Brkt	NFPA	0.07	0.00	0.00
0892638	Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 6lts	NFPA	1.00	0.00	0.00
0892704	Lights, Walk Surf, 8-P25 LED, Hose Bed Cover, Overall Height	NFPA	0.07	0.00	0.00
0647728	Alternator, 430 amp, Delco Remy 55SI	S	0.00	0.00	0.00
		Load Totals:	**210.85**	**445.15**	**320.84**

* UDMC = User Defined Mission Critical, LM = User Defined Load Managed, S = Electrical Amperage Supply

Electrical Analysis

5/3/2026

Bid #: 1140

Desc: Enforcer PUC 189"

Customer: Willows Fire Department

Option: Pierce Command Zone, Advanced Electronics & Control System, Enforcer, WiFi CZT

Job #:

Sales Rep: Bauer, Jon

Organization: Golden State Fire Apparatus, Inc

Type: Multiplexed

Note: Minimum Continous Load is in "Blocking Right of Way" mode.(Reference current edition of NFPA/ULC)
Note: Intermittent Load items are not factored in on any alternator load comparisons. These items are included on the report for reference only and should be looked at as amp draw exclusion items. (Reference current edition of NFPA/ULC)
Note: Total Connected Load "Demand" represents Total Connected Load minus any Load Managed items

Alternator Output at Idle: 268.00

Minimum Continuous Load	
Supply:	268.00
Demand:	210.85
Variance:	57.15

Alternator Output at Governed Speed: 374.00

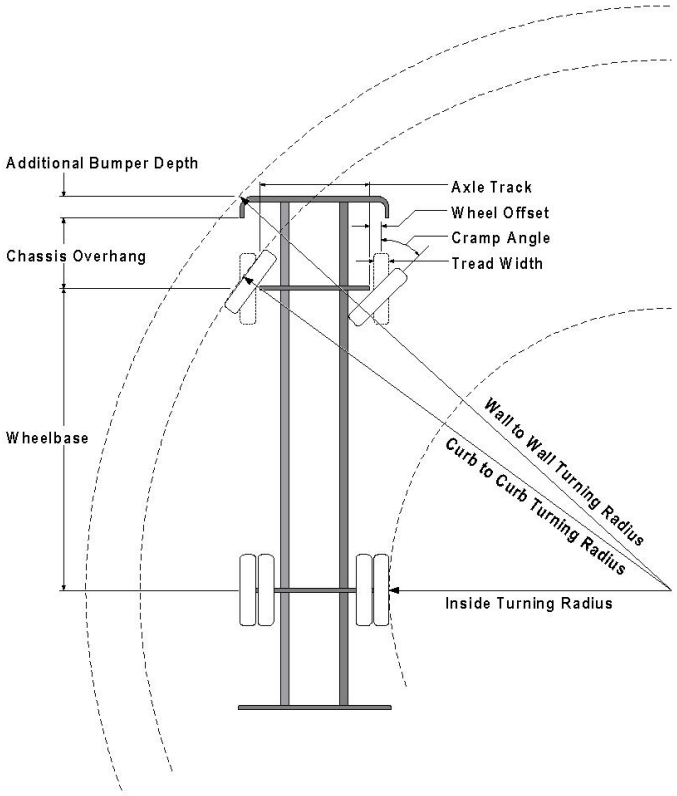
Total Connected Load	
Supply:	374.00
Demand:	274.69
Variance:	99.31

* UDMC = User Defined Mission Critical, LM = User Defined Load Managed, S = Electrical Amperage Supply

Turning Performance Analysis

05/03/2026

Bid Number: 1140
Department: Willows Fire Department
Chassis: Enforcer Chassis, PUC-NG
Body: Pumper, PUC, Aluminum



Parameters:

*Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	15.9 in.
Chassis Overhang:	65.95 in.
Additional Bumper Depth:	19 in.
Front Overhang:	84.95 in.
Wheelbase:	195 in.

Calculated Turning Radii:

Inside Turn:	15 ft. 2 in.
Curb to curb:	29 ft. 4 in.
Wall to wall:	33 ft. 7 in.

Category	Option	Description
Tires, Front	0802633	Tires, Front, Goodyear, Armor Max MSA, 385/65R22.50, 18 ply, Fire Ser. Load Rtg
Axle, Front, Custom	0630705	Axle, Front, Oshkosh TAK-4, Non Drive, 19,500 lb, Enforcer
Bumpers	0606433	Bumper, 19" Ext, Fab, .25" Steel, Paint Feat, SFR/Enf
Wheels, Front	0019611	Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot

Notes:

*Actual Inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.

Definitions:	
Inside CrampAngle	Maximum turning angle of the front inside fire.
Axle Track	King-pin to King-pin distance of front axle.
Wheel Offset	Offset from the center line of the wheel to the King-pin.
Tread Width	Width of the tire tread.
Chassis Overhang	Distance of the center line of the front axle to the front edge of the cab. This does not include the bumper depth.
Additional Bumper Wheel	Depth that the bumper assembly adds to the front overhang.
Wheelbase	Distance between the center lines of the vehicles front and rear axles.
Inside Turning Radius	Radius of the smallest circle around which the vehicle can turn.
Curb to Curb Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures assumes a curb height of 9 inches.
Wall to Wall Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures takes into account any front overhang due to chassis , bumper extensions and or aerial devices.

Pierce Ultimate Configuration - Customer Summary

Weight Distribution Worksheet 5.0

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CUSTOMER NAME	Willows Fire Department
BID / JOB #	Bid 1140
VEHICLE TYPE	Enforcer 189" Rescue PUC AL
BY:	Alex Rice (ARI)
DATE:	2/12/2026
Manufacturer	Pierce Enforcer FR
Chassis	Enforcer FR 4x2, 4x4, 70" Cab
Engine/Transmission	MX13 '24 / 4000 series
Body Type	189" PUC Rescue
Body Brand	Pierce
Body Side Structure	92" Body Height
Body Construction	Aluminum
Body Doors	Roll-up
Front Axle Rating	19,500 lb. TAK-4
Rear Axle Rating	27,000 lb.

SUMMARY

	Wheelbase (in)=	**195**
Estimated Weights (lbs)	*FRONT*	*REAR*
LOADED	**18341**	**26583**
EMPTY	**17228**	**14845**
	TOTAL GVW=	**44924**

WHEELBASE CALCULATION

Front Axle to Back of Cab	70
Cab - Pump Gap	2
Wallkthrough or Cab Module	0
Engineer Compartment	0
Speedlays	0
Pump House	24.5
Pump - Body Gap	0
Body to Rear Axle Length	98.5
Wheelbase =	**195**

NFPA WEIGHT

2500 lbs

ESTIMATED AXLE LOADS

	Front	Rear
Estimated	**18341**	**26583**
Rated	19500	27000
Ratio	40.8%	59.2%
Total GVW =		**44924**

Estimated Axle Loads are loaded in-service weights, including crew, hose, NFPA equipment allowance, water, foam, fuel and optional equiptment such as generators.

ESTIMATED EMPTY WEIGHT

	17228	**14845**

Estimated Empty Weight represents an empty truck without crew, hose, NFPA equiptment allowance, ladders, foam or water, but includes fuel and optional equiptment such as generators.

Certification Document CD0196
Statement of Compliance to NFPA 1900-2024
Vehicle Stability

NFPA 1900 Section 7.14 states “all apparatus shall be equipped with a stability control system in any configuration for which its commercially available.”

For apparatus that cannot be equipped with a stability control system, Pierce fire apparatus comply with NFPA 1900 Section 7.14.3.1 through usage of the tilt table method. As prescribed by the standard, the apparatus is compared to a substantially similar apparatus that has been loaded as required and tested on a tilt table per the SAE J2180 test procedure. A listing of all tested apparatus is maintained by the Research and Development lab and is available for inspection at the Appleton factory.

VALIDATION TEST: Multiple Tests

Pierce Manufacturing, Inc.

David W. Archer
Vice President of Engineering
November 1, 2023

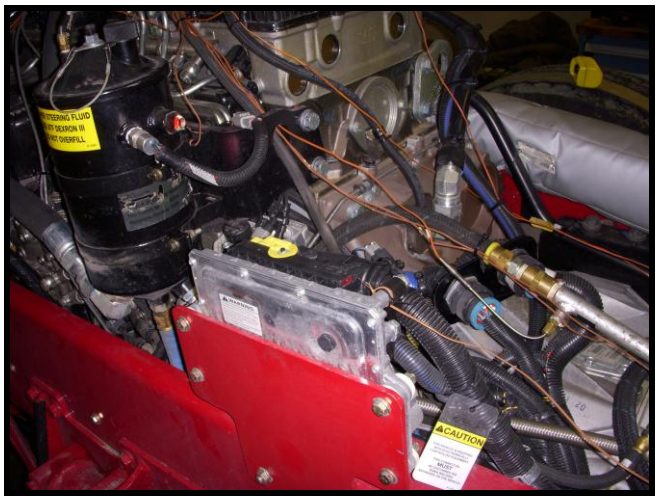
7.14.1* Stability Control System	
7.14.1.1	The apparatus shall be equipped with a stability control system in any configuration for which it is commercially available.
7.14.1.2	The stability control system shall have, at a minimum, a steering wheel position sensor, a vehicle yaw sensor, a lateral accelerometer, and
7.14.2	Apparatus completed in two or more stages shall not exceed the incomplete vehicle manufacturer’s maximum allowable vertical center of
7.14.3 Rollover Stability.	
7.14.3.1	Structural fire apparatus not equipped with a stability control system and all wildland fire apparatus shall meet either of the following: (1)*The apparatus shall remain stable in both directions in accordance with Table 7.14.3.1 when tested on a tilt table in accordance with SAE J2180, A Tilt Table Procedure for Measuring the Static Rollover Threshold for Heavy Trucks. (2)The calculated or measured vertical center of gravity (VCG) divided by the rear axle track width shall not exceed the applicable criterion in Table 7.14.3.1.
7.14.3.2	Certification shall be by one of the following methods: (1)Performing a tilt-table test on the completed apparatus (2)Calculating the point at which the apparatus will tip based on centers of gravity, suspension geometry, suspension compliance, and tire compliance (3)Comparing the apparatus design to a previously certified substantially similar apparatus (4)Demonstrating that the calculated or measured center of gravity (CG) divided by the rear axle track width does not exceed the value in Table 7.14.3.1
7.14.3.3	Certification shall be delivered with the fire apparatus.
7.14.3.4	A previously certified apparatus shall be considered substantially similar if it includes a chassis with the same or higher CG height, the same or narrower rear axle track width, the same or greater water tank size and CG height, the same type of front and rear suspension, and the same type and size of aerial device.
7.14.3.5	For purposes of certification the apparatus shall be loaded with fuel, water, firefighting agents, hose, ladders, a weight of 250 lb in each seating position, and weight equivalent to the miscellaneous equipment allowance.
7.14.3.6	If the apparatus is designed to meet a specified higher equipment loading or larger hose bed capacity or to carry additional ground ladders, these greater loads shall be accounted for in the testing, calculating, or measuring.
7.14.3.7	The weight added to the fire apparatus for certification, calculation, or measurement shall be distributed to approximate typical in-service use of the fire apparatus while not exceeding the manufacturer’s published

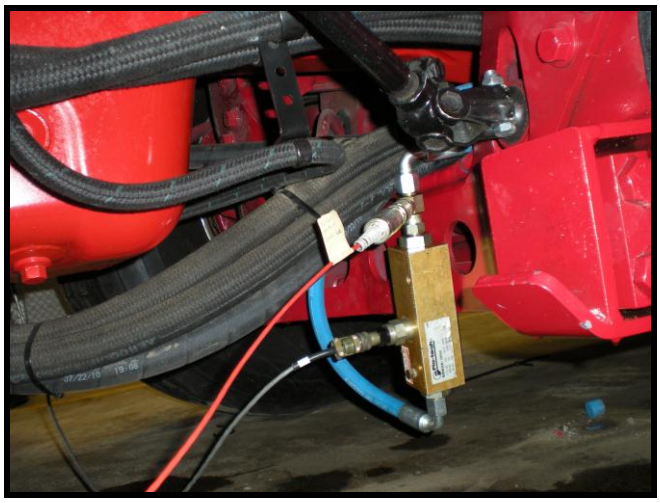
Table 7.14.3.1 Rollover Stability Requirements

Vehicle	Tilt Criteria (degrees)	VCG/Track (percentage)
Wildland fire apparatus ≤33,000 lb (15,000 kg) GVWR	30	75
Wildland fire apparatus >33,000 lb (15,000 kg) GVWR	27	80
Structural fire apparatus not equipped with a stability control system	26.5	80

Certification Document CD0098
Power Steering System

Pierce Manufacturing, Inc. certifies that the power steering system as installed in our custom chassis meets the requirements of the component supplier, the NFPA 1901 and NFPA 1906 guidelines as applicable, and Pierce internal design standards.





VALIDATION TEST: RD1987, RD2055
RD2056, RD2057, RD2058, RD2059

Pierce Manufacturing, Inc.

David W. Archer
Director of Engineering
June 03, 2011

PIERCE MANUFACTURING INC.®

AN OSHKOSH TRUCK CORPORATION® COMPANY

Certification Document CD0189
Saber® FR - Enforcer™
Cab Integrity Certification

Pierce Manufacturing certifies the integrity of the Saber® FR – Enforcer™ cab relative to occupant protection.

A specimen representing the substantial structural configuration of the Saber® FR – Enforcer™ cab models has been successfully tested in accordance with the following standards.

- SAE J2422 Cab Roof Strength Evaluation – Quasi-Static Loading Heavy Trucks.
- European Occupant Protection Standard ECE Regulation No. 29.
- SAE J2420 COE Frontal Strength Evaluation – Dynamic Loading Heavy Trucks.

Side Impact: The test cab was subjected to dynamic preload where a 14,320 lb. moving barrier was impacted into the top corner with sufficient speed to impact the top corner of the cab with 13,000 ft-lbs. of energy. This satisfies SAE J2422 requirements.

Frontal Impact: The test cab was struck by the 14,320 lb. moving barrier at a speed sufficient to impart the required 65,098 ft-lbs. of energy. Twice the energy required per SAE J2420.

Roof Crush: This test cab was then subjected to a roof crush force of 110,000 lbs. This value exceeds the ECE 29 criteria, which must be equivalent to the front axle rating. This is 4.6 times higher than max. front axle rating.

Pass-Fail criteria of the SAE tests and the ECE 29 test is a measure of whether the “survival space” inside the cab is compromised, all doors remain shut, and the cab remained attached to the chassis frame in at least one location. The Pierce cab met all of the Performance Criteria requirements on all 3 integrity tests.

Witnessed and certified by:

Pierce Manufacturing, Inc.

David W Archer
Vice President of Engineering

PIERCE MANUFACTURING INC.®

AN OSHKOSH CORPORATION® COMPANY

Certification Document CD0137
Saber®FR – Enforcer™
Cab Doors

Pierce Manufacturing certifies the integrity of the Saber®FR – Enforcer™ cab doors.

Specimens representing the substantial structural configuration of the Saber®FR – Enforcer™ cab front and crew doors have been successfully tested to meet the following objectives:

OBJECTIVES:

- Survive a 200,000-cycle door slam test with a slam acceleration up to 20 g's on one representative
- Validate the assembly concept of the main structure of the door by evaluating the durability of the bonding technique.
- Evaluate components, structure, and mounting of the door during and the end of the test for fatigue and failure to ensure durability.
- Verify that the door seals function properly at the end of the test.
- Evaluate the new extrusions and castings of the cab doorframe during and at the end of the test for fatigue, failure, and deformation of seal flanges.
- Evaluate various mounting options for the electronic control module for durability during portions of the slam test.

CONCLUSIONS:

- The door structure and doorframe successfully completed a 200,000-cycle door slam test with a door slam acceleration of 20 g's.

VALIDATION TEST: RD2425

Pierce Manufacturing, Inc.

David Archer
November 18, 2014

Certification Document CD0132
Saber®FR – Enforcer™
Windshield Wiper System

Pierce Manufacturing certifies the integrity of the Saber® FR –Enforcer™ Windshield Wiper System.

Specimens representing the configuration of the Saber® FR –Enforcer™ windshield wipers have been successfully tested to meet the following objectives:

OBJECTIVES:

- Complete 3,000,000 cycles of windshield wiper operation per SAE J198 § 6.2
- Inspect wiper motor, pivots, linkages, and mounts frequently to validate cumulative wiper system integrity.

CONCLUSIONS:

- The wiper linkage, pivots, and mounts successfully completed the 3,000,000 cycles.

VALIDATION TEST: RD2462

Pierce Manufacturing, Inc.

David Archer
Vice President of Engineering

Certification Document CD0133
Saber® FR – Enforcer™
Window Regulators

Pierce Manufacturing certifies the integrity of the Saber ®FR – Enforcer™ window regulators.

Specimens representing the substantial structural configuration of the Saber®FR – Enforcer™ window regulators have been successfully tested to meet the following objectives:

OBJECTIVES:

- Electric window regulators withstand 30,000 up-down cycles.

CONCLUSIONS:

- The electric window regulators withstood 30,000 cycles without failure.

VALIDATION TEST: RD2425

Pierce Manufacturing, Inc.

David Archer
Vice President of Engineering

Certification Document CD0134
Saber® FR – Enforcer™
Seats and Seat Belts

Pierce Manufacturing certifies the conformance of the Saber® FR – Enforcer™ cab seats and seat belts to Federal Motor Vehicle Safety Standards. Representative Saber® FR – Enforcer™ Seat and Seat Belt designs have been tested successfully in accordance with FMVSS 207.

Physical testing was performed to qualify passenger seats to meet Federal Motor Vehicle Safety Standards (FMVSS) 207 and 210. This requires that a minimum of 3,000 lbf be applied to both the lap and shoulder belts via appropriate body blocks. A third force of twenty times the mass of the seat must be applied at the center-of-gravity (CG) of the seat. All three forces are applied at the same time, reached within thirty seconds of the start of the test, and be held for a minimum of ten seconds.

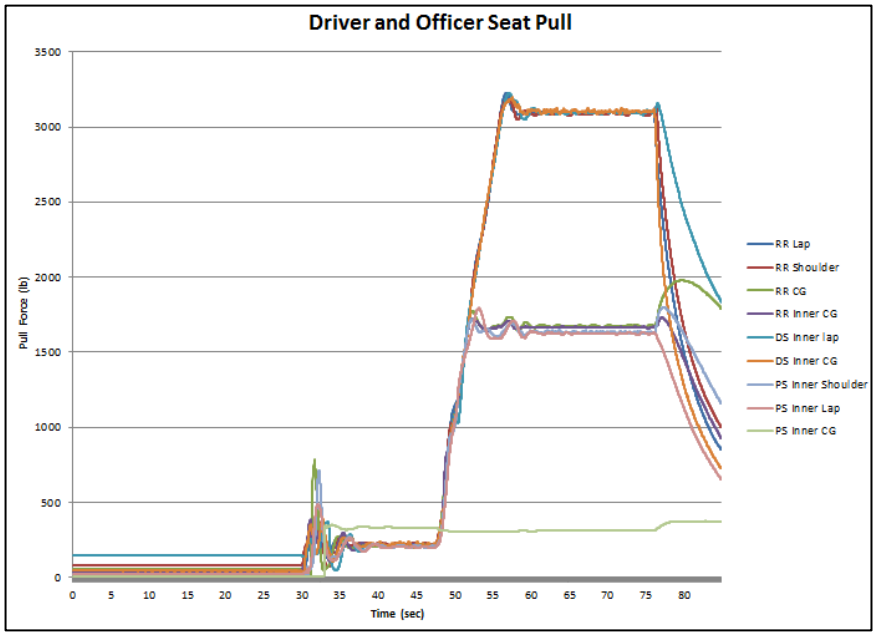
A force equal to twenty times the mass of the seat was applied to each seat in the direction opposite to the combination pull. A moment of 275 lb-ft was applied to the seat with reference to the H-point.

This testing ensures that the seat mounting and seat belt anchors are adequate to retain the seats and occupants in a crash. The Federal requirements are based on the high deceleration rates of passenger vehicles, so the design requirements are significantly more conservative considering the slower crash speeds of heavy trucks.

VALIDATION TESTS: RD2397

Pierce Manufacturing, Inc.

David Archer
Vice President of Engineering



PIERCE MANUFACTURING INC.®

AN OSHKOSH CORPORATION® COMPANY

Certification Document CD0167
Saber® FR - Enforcer™
Air Conditioning & Defrost

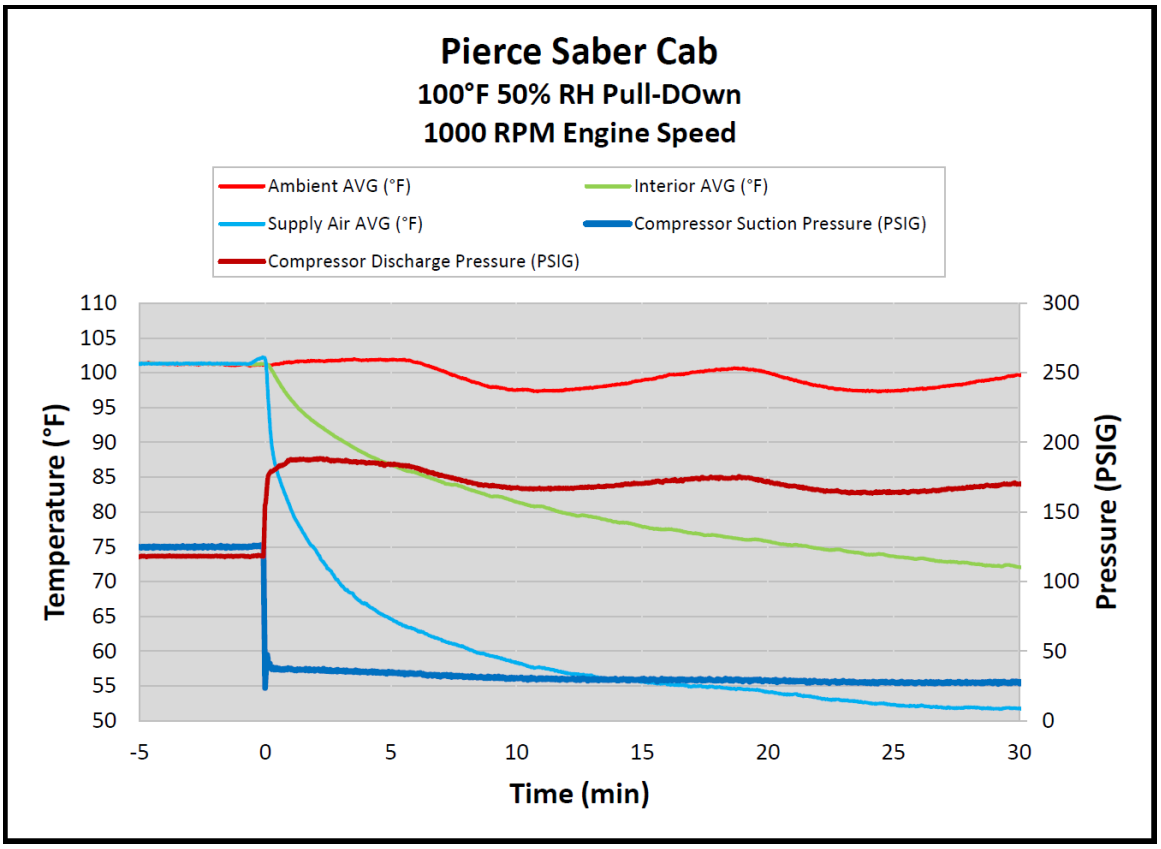
Pierce Manufacturing certifies the performance of the Saber®FR - Enforcer™ cab air conditioning and defrost system.

The air conditioning and defrost system was tested successfully in an environmental chamber.

Air Conditioning:
Air conditioning performance testing was conducted at an ambient of 100°F and 50 percent relative humidity. The engine speed was maintained at 1000 RPM with the QP21 compressor

The vehicle was heat soaked in the environmental chamber. All temperature probes were monitored to confirm temperature stabilization. The transient test began when all the vehicle doors were closed, and the air conditioning turned on.

The average cab temperature dropped to a maximum of 72.1°F within 30 minutes.



Defrosting

Defroster testing was performed in accordance with *SAE J381 Windshield Defrosting Systems Test Procedure and Performance Requirements-Trucks, Buses, and Multipurpose Vehicles.*

This SAE Recommended Practice establishes uniform test procedures and performance requirements for the defrosting system of enclosed cab trucks, buses, and multipurpose vehicles. Current engineering practice prescribes that for laboratory evaluation of defroster systems, an ice coating of known thickness be applied to the windshield and left- and right-hand side windows to provide more uniform and repeatable test results, even though under actual conditions such a coating would necessarily be scraped off before driving. The test condition, therefore, represents a more severe condition than the actual condition, where the defroster system must merely be capable of maintaining a cleared viewing area.

During the test, the vehicle is cold soaked to 0º F in a cold chamber. A prescribed layer of ice is applied to the windshield. The defroster is then run, and the advancing melt boundary marked as the test proceeds.

The SAE prescribed area of the windshield was 100% cleared and the side windows were 75% cleared within the specified 30-minute period.

Defrost Results

Start of Test

15 Minutes

30 Minutes

Right Viewed From Outside Left

VALIDATION TEST: MCC Test Report TR#19-0047 R00

Pierce Manufacturing, Inc.

David W. Archer
Vice President of Engineering

PIERCE MANUFACTURING INC.®

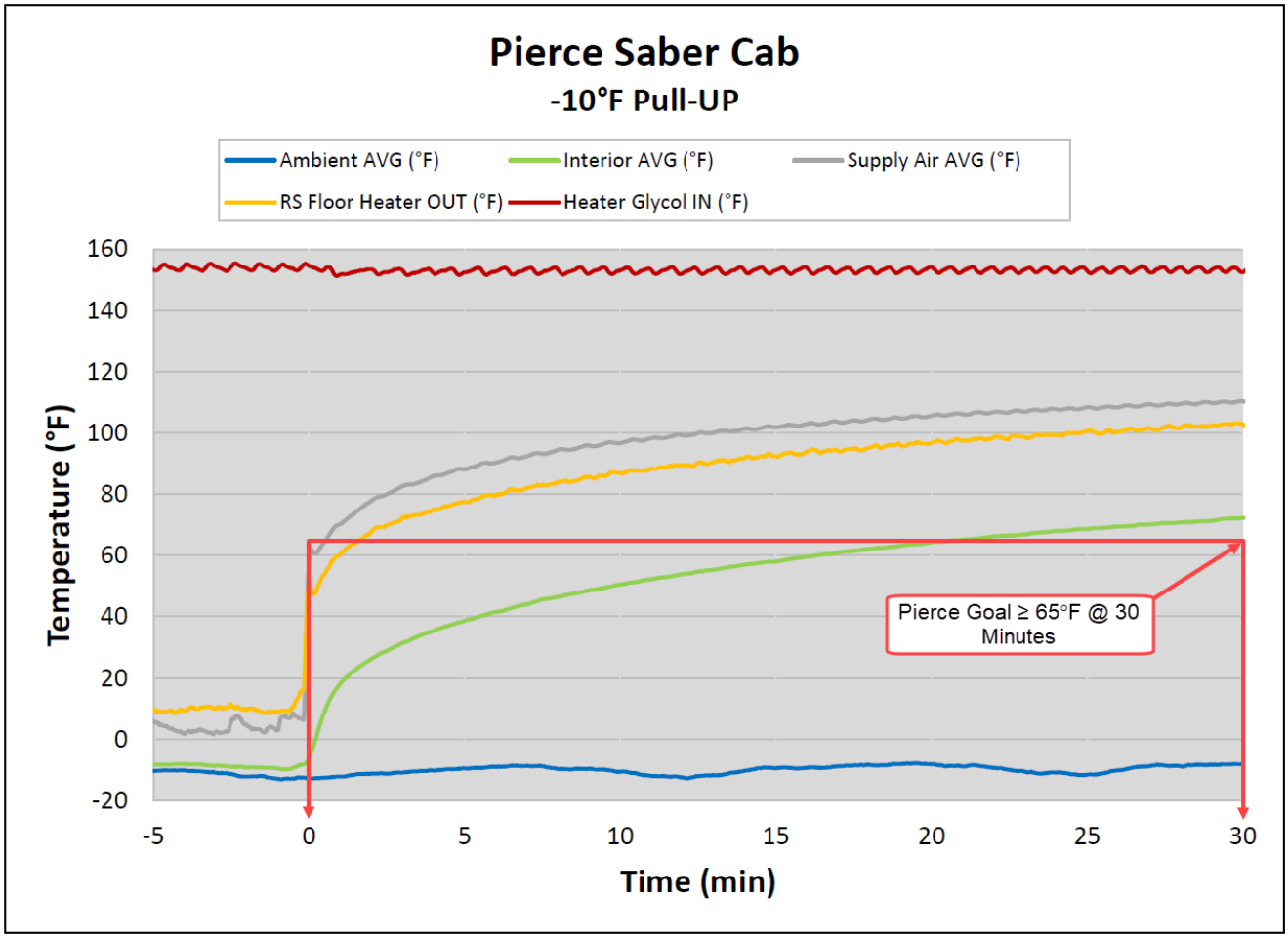
AN OSHKOSH CORPORATION® COMPANY

Certification Document CD0174
Saber® FR – Enforcer™
Cab Heater

Pierce Manufacturing, in conjunction with Mobile Climate Control, Inc., certifies the performance of the Saber® FR – Enforcer™ cab heat systems.

The Saber®FR - Enforcer™ Heater System was tested successfully in an environmental chamber.

Heater testing was performed using the coolant supply procedures from SAE J381. The average cab temperature increased 82.3º F from -10º F to 72.3º F within the prescribed 30 minutes utilizing the right side under seat auxiliary heater. The cab was contained in a cold chamber at -10º F during the duration of the test.



VALIDATION TEST: TR#19-0047 R00

Pierce Manufacturing, Inc.

David Archer
Vice President of Engineering

Mobile Climate Control, Inc.

Brent Griffith
Lead Test Engineer & Large Application Specialist

PIERCE MANUFACTURING INC.®

AN OSHKOSH CORPORATION® COMPANY

Certification Document CD0175
Saber® FR - Enforcer™
Air Conditioning & Defrost

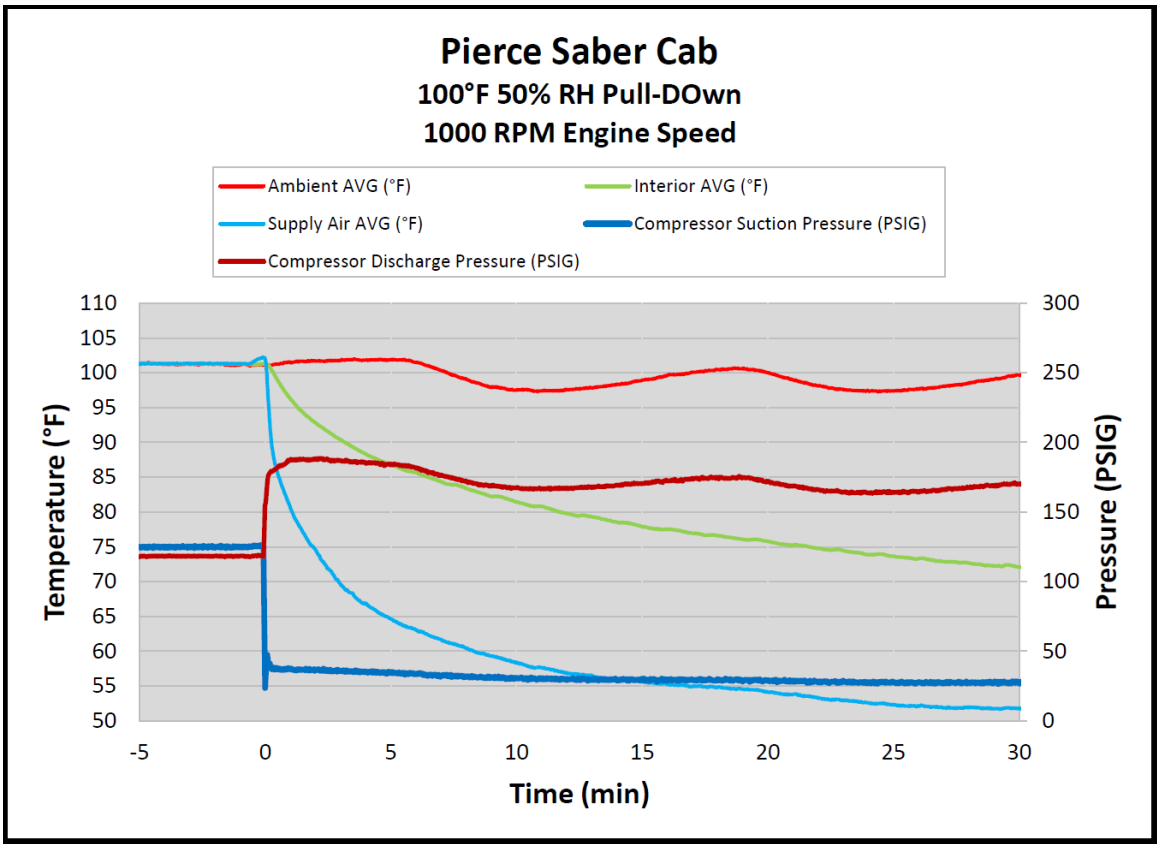
Pierce Manufacturing, in conjunction with Mobile Climate Control, Inc., certifies the performance of the Saber®FR - Enforcer™ cab air conditioning and defrost system.

The air conditioning and defrost system was tested successfully in an environmental chamber.

Air Conditioning:
Air conditioning performance testing was conducted at an ambient of 100°F and 50 percent relative humidity. The engine speed was maintained at 1000 RPM with the QP21 compressor

The vehicle was heat soaked in the environmental chamber. All temperature probes were monitored to confirm temperature stabilization. The transient test began when all the vehicle doors were closed, and the air conditioning turned on.

The average cab temperature dropped to a maximum of 72.1°F within 30 minutes.



Defrosting

Defroster testing was performed in accordance with *SAE J381 Windshield Defrosting Systems Test Procedure and Performance Requirements-Trucks, Buses, and Multipurpose Vehicles.*

This SAE Recommended Practice establishes uniform test procedures and performance requirements for the defrosting system of enclosed cab trucks, buses, and multipurpose vehicles. Current engineering practice prescribes that for laboratory evaluation of defroster systems, an ice coating of known thickness be applied to the windshield and left- and right-hand side windows to provide more uniform and repeatable test results, even though under actual conditions such a coating would necessarily be scraped off before driving. The test condition, therefore, represents a more severe condition than the actual condition, where the defroster system must merely be capable of maintaining a cleared viewing area.

During the test, the vehicle is cold soaked to 0º F in a cold chamber. A prescribed layer of ice is applied to the windshield. The defroster is then run, and the advancing melt boundary marked as the test proceeds.

The SAE prescribed area of the windshield was 100% cleared and the side windows were 75% cleared within the specified 30-minute period.

Defrost Results

Start of Test

15 Minutes

30 Minutes

Right Viewed From Outside Left

VALIDATION TEST: MCC Test Report TR#19-0047 R00

Pierce Manufacturing, Inc.

David W. Archer
Vice President of Engineering

Mobile Climate Control, Inc.

Brent Griffith
Lead Test Engineer & Large Application Specialist

PIERCE MANUFACTURING INC.®

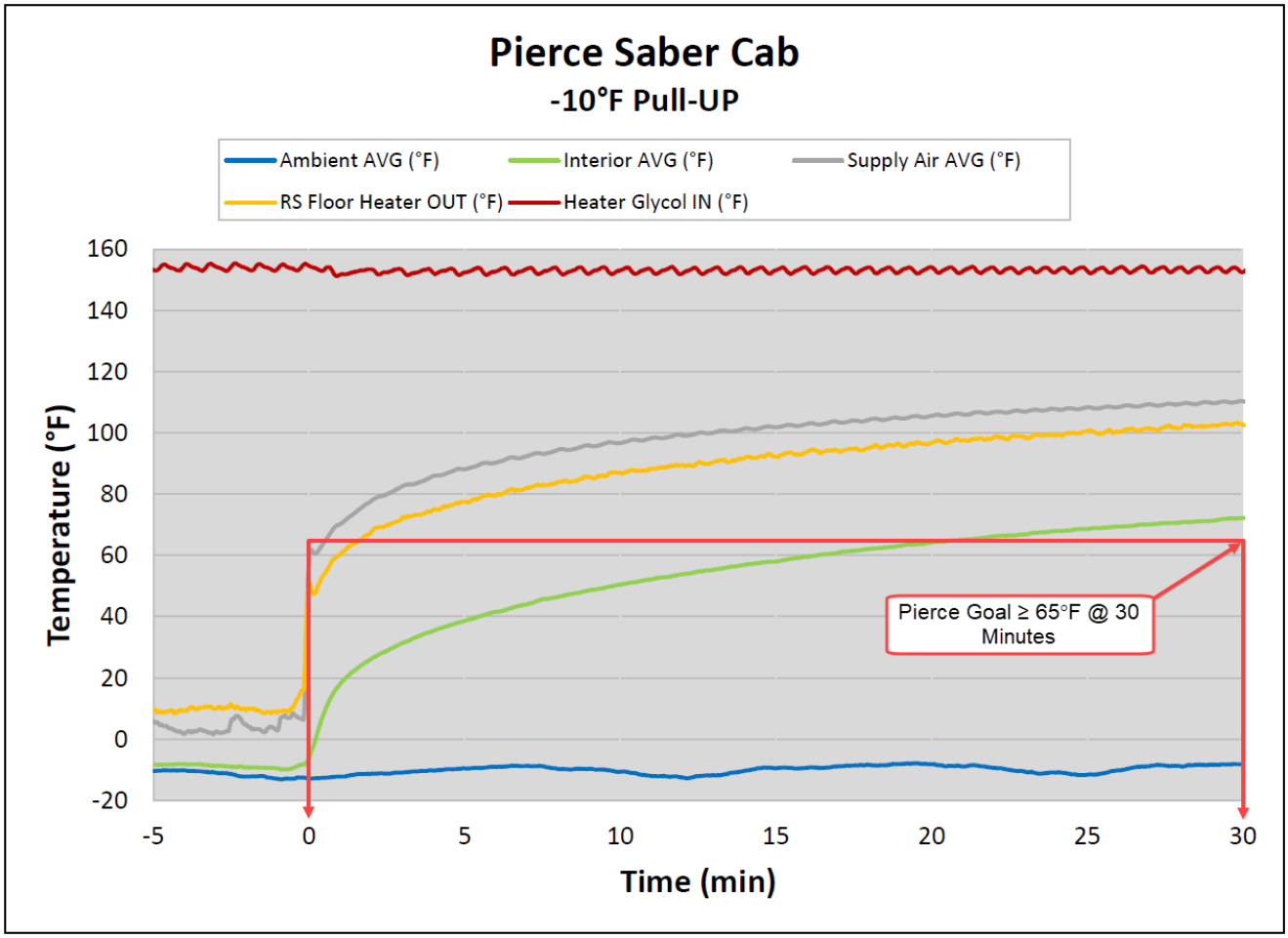
AN OSHKOSH CORPORATION® COMPANY

Certification Document CD0165
Saber® FR – Enforcer™
Cab Heater

Pierce Manufacturing certifies the performance of the Saber® FR – Enforcer™ cab heat systems.

The Saber®FR - Enforcer™ Heater System was tested successfully in an environmental chamber.

Heater testing was performed using the coolant supply procedures from SAE J381. The average cab temperature increased 82.3º F from -10º F to 72.3º F within the prescribed 30 minutes utilizing the right side under seat auxiliary heater. The cab was contained in a cold chamber at -10º F during the duration of the test.



VALIDATION TEST: TR#19-0047 R00

Pierce Manufacturing, Inc.

David Archer
Vice President of Engineering

4 PRODUCT WARRANTIES

Exhibit "C"

Fire and Rescue Apparatus

One (1) Year Material and Workmanship
Basic Apparatus
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Portions of the apparatus manufactured by Pierce shall be free from defects in material and workmanship**
Warranty Begins:	**The date the apparatus is placed in service, or 60 days from the original buyer invoice date, whichever comes first.**
Warranty Period Ends After:	**Twelve (12) months.**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**No specific exclusions apply**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0008

SUPPLIER

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the purchaser who first puts the product in service ("Buyer"):

Coverage:	**Covers any failures of the engine which result, under normal use and service, from a defect in material or factory workmanship.**
Warranty Begins:	**The date of the original buyer invoice.**
Warranty Period Ends After:	**Five (5) years or 100,000 miles, whichever occurs first**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**See warranty for exclusions.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

3/19/2021 WA0386

PACCAR ENGINE LIMITED WARRANTY

PACCAR MX Warranty

United States

THIS LIMITED WARRANTY ("LIMITED WARRANTY") LISTS THE RESPECTIVE RIGHTS AND RESPONSIBILITIES OF PIERCE MANUFACTURING INC.'S END USER CUSTOMER THAT FIRST PUTS THE PACCAR ENGINE INTO SERVICE ("YOU" or "FIRST PURCHASER"), PACCAR INC ("PACCAR"), AND THE SERVICING PACCAR ENGINE DISTRIBUTORS ("AUTHORIZED DISTRIBUTORS"). PLEASE READ THIS LIMITED WARRANTY CAREFULLY.

PACCAR warrants directly to You that the PACCAR MX engine and related kitted parts (collectively, the "Engine") will be free from defects in materials and factory workmanship ("Warrantable Failures") appearing under normal commercial use and service during the time, mileage or hour limitations set forth in the attached Warranty Schedule. **This Engine warranty extends only to You, and not any subsequent owner or user of the Engine.** The Emissions warranty is made to all owners of the Engine in the chain of distribution until the end of the Emissions warranty coverage period. Warranty coverage relating to the Emissions components is outlined in the Emissions Warranty section of the PACCAR MX Operator's Manual, the terms and conditions of which are incorporated herein by reference.

YOUR SOLE AND EXCLUSIVE REMEDY AGAINST PACCAR AND ITS SUBSIDIARIES AND AFFILIATES ARISING FROM YOUR PURCHASE AND USE OF THIS ENGINE IS LIMITED TO THE REPAIR OR REPLACEMENT OF WARRANTABLE FAILURES AT AUTHORIZED DISTRIBUTORS IN THE UNITED STATES AND CANADA AND IS SUBJECT TO PACCAR'S TIME, MILEAGE, AND HOUR LIMITATIONS LISTED IN THE ATTACHED WARRANTY SCHEDULES. The maximum time, mileage and hour limitations in the Warranty Schedules begin running on the Date of Delivery to the First Purchaser. **The accrued time, mileage, or hours is calculated when this Engine is brought into an Authorized Distributor for correction of Warrantable Failures.**

WARRANTY DISCLAIMER AND LIMITATIONS OF LIABILITY (ENGINE AND EMISSIONS)

This Limited Warranty is the sole warranty made by PACCAR and its Authorized Distributors to You relating to the Engine. Except for the above limited express warranty, PACCAR and its Authorized Distributors make no other warranties to You, express or implied. PACCAR AND ITS AUTHORIZED DISTRIBUTORS EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IT IS AGREED THAT PACCAR AND ITS AUTHORIZED DISTRIBUTORS SHALL NOT BE LIABLE TO YOU FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO: LOSS OF INCOME OR LOST PROFITS; ENGINE OR VEHICLE DOWNTIME; THIRD PARTY DAMAGE, INCLUDING DAMAGE OR LOSS TO OTHER ENGINES, VEHICLES OR PROPERTY, ATTACHMENTS, TRAILERS AND CARGO; LOSS OR DAMAGE TO PERSONAL CONTENTS; COMMUNICATION EXPENSES; LODGING AND/OR MEAL EXPENSES; FINES; APPLICABLE TAXES OR BUSINESS COSTS OR LOSSES; ATTORNEYS' FEES; AND ANY LIABILITY YOU MAY HAVE IN RESPECT TO ANY OTHER PERSON OR ENTITY.

This warranty does not apply to parts or accessories supplied by the vehicle manufacturer or third parties.

Failures of belts and hoses supplied by PACCAR are covered during the first year from the Date of Delivery of the Engine to the First Purchaser. PACCAR does not warrant antifreeze, lubricants, filters, filter elements, or any other part that is a maintenance or repair item. However, in its sole discretion, PACCAR may pay for lubricating oil, antifreeze, filter elements, belts, hoses, and other maintenance or repair items if the need for replacing such items is due to a Warrantable Failure of the Engine.

You are responsible for the safe operation and maintenance of the Engine and Emissions equipment as specified in the applicable Operator's Manuals. You are responsible for providing proof that all recommended inspections and maintenance have been performed. Before the expiration of the applicable warranty, You must notify an Authorized Distributor of any Warrantable Failures and make the Engine available for Engine repair by such Authorized Distributor. You are responsible for delivery of the Engine to the Authorized Distributor. Locations in the United States and Canada of Authorized Distributors may be found at WWW.PACCARPOWERTRAIN.COM.

PACCAR IS NOT RESPONSIBLE FOR WEAR AND TEAR OR WEAROUT OF COVERED PARTS, storage deterioration, and changes in adjustment resulting from your use of the Engine. Damage due to accident, misuse, abuse, neglect, negligence, improper or insufficient maintenance, or unauthorized modification is not warranted. This may include, but is not limited to: operation without adequate coolants, lubricants, or other fluids; over-fueling; over-speeding; lack of maintenance of the lubricating, cooling or air intake systems; improper storage, starting, warm-up, run-in or shutdown practices; and unauthorized modifications to the Engine. **PACCAR is not responsible for damage or loss resulting from Engine horsepower/torque upgrades.**

Parts used to repair a Warrantable Failure may be new parts, approved remanufactured parts, or repaired parts. PACCAR is not responsible for failures resulting from the use of parts not approved by PACCAR. A new or approved remanufactured part used to repair a Warrantable Failure assumes the identity of the part it has replaced and is entitled to the remaining warranty coverage, if any.

PACCAR IS NOT RESPONSIBLE FOR DAMAGE OR LOSSES CAUSED BY INCORRECT OIL, FUEL, DIESEL EXHAUST FLUID, COOLANT, OR ADDITIVES; WATER, DIRT OR OTHER CONTAMINANTS IN THE FUEL, OIL OR DIESEL EXHAUST FLUID; OPERATION WITHOUT ADEQUATE COOLANTS OR LUBRICANTS; OVER-FUELING; OVER-SPEEDING; IMPROPER STORAGE, STARTING, WARM-UP, RUN-IN OR SHUT-DOWN PRACTICES; OR UNAUTHORIZED MODIFICATIONS OF THE ENGINE. Failure of replacement parts used in repairs due to the above non-warrantable conditions is not warrantable.

If your vehicle is disabled by a Warrantable Failure to the Engine during the base warranty period, PACCAR is not responsible for towing expenses to transport the vehicle to the nearest Authorized Distributor. In lieu of the towing expense and at the sole discretion of PACCAR,

PACCAR will pay the reasonable costs of an authorized mechanic to travel to and from the location of the disabled Vehicle in order to perform the Engine repair.

PACCAR will pay for reasonable labor costs for Engine removal and reinstallation when necessary to repair a Warrantable Failure.

Warrantable Failures resulting in excessive oil consumption will be handled within the basic Engine coverage as stated in the attached Engine Schedule. Before a claim for excessive oil consumption, low power, or excessive fuel consumption will be considered for payment, You must submit adequate documentation to show that consumption exceeds PACCAR published standards

PACCAR reserves the right to inspect and download data from the Engine Electronic Control Module for purpose of failure analysis unless prohibited by applicable law.

TIME LIMIT ON COMMENCING LEGAL ACTION / OTHER TERMS

IT IS AGREED THAT YOU HAVE 12 MONTHS FROM THE ACCRUAL OF THE CAUSE OF ACTION TO COMMENCE ANY LEGAL ACTION ARISING FROM THE PURCHASE OR USE OF THE ENGINE, OR BE BARRED FOREVER.

To the extent any provision of this limited warranty is found to contravene the law of any jurisdiction, the remainder of the warranty shall not be affected thereby.

PACCAR ENGINE LIMITED WARRANTY SCHEDULE

PACCAR MX Warranty

United States

THIS ENGINE WARRANTY SCHEDULE APPLIES ONLY TO ORIGINAL FACTORY EQUIPMENT AND IS SUBJECT TO THE TERMS AND LIMITATIONS IN THE ATTACHED LIMITED WARRANTY. This Engine Warranty Schedule does not apply to the vehicle which is warranted separately. Pursuant to the terms of the attached Limited Warranty, PACCAR Inc ("PACCAR") will pay warranty claims for Warrantable Failures within the following maximum limits in time, mileage, or hours, **whichever shall occur first**. The Warrantable Failure must be brought to the attention of an Authorized Distributor within 30 days of discovery.

PACCAR MX Engine

Basic Engine -Twenty-four (24) months or 250,000 miles (or 400,000 km) or 6,250 hours - (all applications except fire apparatus)

Fire Apparatus Truck Applications Basic Engine - Sixty (60) months or 100,000 miles (or 160,000 km) or 6,250 hours

Major Engine Components - Sixty (60) months or 500,000 miles or 12,500 hours

Cylinder Block Casting	Crankshaft	Lube Pump Gear	Flywheel Housing
Main Bearing Bolts	Camshaft	Crankshaft Gear	Water Pump Housing
Cylinder Head Casting	Cam Follower Assemblies	Camshaft Gear	Thermostat Housing
Cylinder Head Capscrews	Connecting Rod Assemblies	Camshaft Idler Gear	

R. H. SHEPPARD CO., INC.
101 Philadelphia St.
Hanover, PA 17331
Pierce Manufacturing Inc.
2600 American Drive
Appleton, WI 54912

LIMITED WARRANTY: The R. H. Sheppard Co. Inc., ("Sheppard") warrants all M110PKG1 and M110SAU1 steering gears manufactured and sold to Pierce Manufacturing Inc. ("Pierce") for application on Pierce TAK-4 equipped vehicles to be free from defects of workmanship and material under normal use and service for a period of thirty six months from the in service date of the vehicle to its original owner.

Vehicle applications where Sheppard product is used require an application approval before production build. If Pierce uses Sheppard product for any purpose or application which has not been approved by Sheppard in advance, including aftermarket devices (defined as a device added to the steering system directly or indirectly affecting the performance or operation of the Sheppard product in its approved application) not tested and approved by Sheppard this limited warranty SHALL NOT APPLY AND SHALL BE VOID. SHEPPARD MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED. SHEPPARD EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.
SHEPPARD SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES OR FOR LOSS OR DAMAGE DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF A PRODUCT. Pierce expressly acknowledges its obligation to inform all users (customers) of the above disclaimer.

CONDITIONS: Claims under this Limited Warranty may only be made by Pierce. In no event shall Sheppard be held liable for warranty charges by unauthorized persons. No allowance will be made for repairs or alterations, unless made with the written consent of Sheppard. Authorized Pierce dealers shall be the only authorized repair facility for Sheppard products applied to Pierce vehicles. Any warrantable repair made under this Limited Warranty must be made on or before 36 months of the in-service date for the Product to which the claim relates. Sheppard shall not be liable for claims made after such date. Sheppard product fitted to Pierce vehicles that are repaired at a repair facility other than an authorized Pierce dealer within the warranty period will be considered for payment under the guidelines of this agreement only by joint written consideration of Sheppard and Pierce warranty departments. It shall be the responsibility of the Pierce warranty department to notify Sheppard if and when this situation occurs. Sheppard will not be held responsible for damage to other steering components such as but not limited to pumps and reservoirs due to improper adjustment of steering gear relief plungers. Vehicle downtime and towing will not be considered under warranty.

REMEDIES: The sole and exclusive remedy of Pierce for Sheppard's breach of the foregoing warranty is limited to the return and repair or reimbursement as follows:

Warranty Support: In support of the Pierce dealer network, Sheppard will provide a toll-free "Hotline" service to assist in the diagnosis and troubleshooting of steering problems. The R. H. Sheppard Co., Inc. Field Service Department can be reached at 1-800-274-7437 for assistance. Sheppard will require that Pierce dealers contact this toll-free "Hotline" for approval before product is removed from a vehicle in a warranty situation. When contacted regarding a warranty situation, the Sheppard representative will provide an authorization number for removal of the product. This Returned Goods Authorization (RGA) number must be included in all warranty correspondence and attached to all returned goods.

Procedure: In the event of a warranty situation, the servicing dealer shall contact the Sheppard Hotline and receive an RGA number before replacing any steering gear. For M110PKG1 and M110SAU1 steering gear models, the dealer will first obtain an RGA number from Sheppard, and then order the replacement gear from Pierce. Replacement M110PKG1 and M110SAU1 steering gears shall be shipped from Pierce once those models are in full production. A warranty claim for both parts and labor will then be generated by the dealer and sent to Pierce. After reviewing the claim, Pierce will submit it to Sheppard for reimbursement.

Parts Reimbursement: Sheppard agrees to reimburse Pierce at Pierce's purchase price plus 30% mark-up for parts found to be defective within the warranty period. Parts being returned for warranty consideration shall be sent to the R. H. Sheppard Company, 447 E. Middle St., Hanover, PA 17331 ATTN: Warranty Dept. Sheppard's determination as to whether the part is covered by the foregoing warranty is final and conclusive. Sheppard requires the return of complete steering gears only. Individual seals replaced under warranty **should not** be returned unless specifically requested by Sheppard. All parts being returned for warranty consideration must be clearly tagged with all pertinent warranty information including, but not limited to (1) Returned Goods Authorization number (RGA); (2) claim number; (3) date in service; (4) date of failure; (5) mileage; (6) part number; (7) labor hours; (8) dealer labor rate and; (9) dollar amount claimed. Claims submitted without prior authorization are subject to rejection under this agreement.

Labor: Labor to repair Sheppard product found to be defective within the warranty period will be reimbursed at not more than 10 hours per vehicle. Labor shall be reimbursed at the rate of $85.00 USD per hour for M110PGK1 and M110SAU1 steering gears.

Freight: Pierce will collect M110PGK1 and M110SAU1 warranty material at a designated collection point. Inbound freight to the Pierce collection point will be the responsibility of Pierce. All warranty material should be returned from the Pierce collection point to R. H. Sheppard Co. Freight Collect by a Sheppard-specified common carrier based on location of the Pierce collection point. Sheppard does not require the return of failed seals. Any freight charges incurred for the return of seals will be the responsibility of Pierce. Parts returned for warranty consideration without prior authorization are subject to rejection under this agreement and may be subject to a charge back of inbound freight charges. Parts rejected under this warranty will be returned to Pierce Freight Collect or scrapped by Sheppard at Pierce's discretion.

Outside Purchases: Pierce authorized dealers shall be the only outlet for repair, warranty service and parts for Sheppard products applied to Pierce vehicles. Sheppard will not be responsible for consumables such as hoses, belts, fluids, fittings or miscellaneous shop material that may be required for the repair of the product.

Warranty Documentation: Warranty credit memos will be issued monthly to the Pierce Warranty Department. Monthly credit memos will include (1) claim number; (2) part number; (3) parts reimbursement; (4) labor reimbursement; (5) any applicable Pierce reference number and; (6) reason for rejection or acceptance of the claim. Credit memos will be issued in U.S. funds. Debits for warranty claims will not be accepted under this agreement. Claim disposition will constitute the final and conclusive resolution of warranty claims.

Parts Retention: Sheppard will retain parts submitted for warranty consideration for a period of sixty (60) days for any material found to be rejected for warranty. Sheppard will notify Pierce within sixty (60) days of receipt of Sheppard's determination as to whether any such part is covered by this warranty. Warranty reimbursement will be issued within thirty days of receipt of material at Sheppard.

Good-Will Requests: Good-Will requests will be considered jointly between Sheppard and Pierce for equitable compensation.

RECALLS: Sheppard retains the right to review information regarding federal motor vehicle recall and /or product repair programs if Sheppard products fitted to Pierce vehicles are alleged to be non-compliant with federal motor vehicle safety standards. Sheppard retains the right to review any claims of product defect or non-compliance before participating in reimbursement of expenses incurred as a result of alleged non-compliance or defect of its products. Sheppard agrees to negotiate in good faith for the reimbursement of expenses incurred by Pierce for all administrative, material and labor cost and expense associated with any recall where Sheppard product is found to be defective or non-compliant with federal motor vehicle standards.

MISCELLANEOUS: This writing constitutes the full complete and final statement of Sheppard's limited warranty for M110PKG1 and M110SAU1 products sold to Pierce. All prior oral or written correspondence, test data, negotiations, representations, understandings and the like regarding products are merged in this writing and extinguished by it. This limited warranty may not be altered, amended extended or modified except by a writing signed by the President or Vice President of Sheppard. No employee, vendor, dealer, distributor or other representative of Sheppard has authority to make statements to extend, expand, alter or amend the terms of this Limited Warranty. Sheppard expressly disclaims any statements contrary to the Limited Warranty. Sheppard's failure at any time to enforce any of the terms and conditions stated herein shall not constitute a waiver of any provisions herein. This Limited Warranty shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania.

Any legal actions which may arise as a result of disputes, controversies or claims arising out of or related to this limited warranty shall be in such forum as Sheppard and Pierce shall agree, or, in the absence of agreement, in a court of appropriate jurisdiction other than in the county in which either party is located. This Limited Warranty shall not be assigned by Pierce.

COOPERATIVE EFFORT: Sheppard and Pierce agree to work cooperatively toward expanding this warranty coverage to a period of sixty months from the in service date. These cooperative efforts shall focus on examining the effects of increased heat generated by 2007 model engines and its impact on the entire power steering system.

AGREEMENT: This agreement is effective April 3, 2006 and may be modified by mutual agreement between Sheppard and Pierce of a signed amendment to be attached to the original Limited Warranty. There are no third party beneficiaries to this Limited Warranty. This warranty agreement applies to Pierce authorized dealers only. It does not encompass any special arrangements that Pierce may now have or that Pierce may enter into, with any other segments of the trucking industry. This warranty agreement does not apply to non-conforming product removed at Pierce assembly plants.

This Limited Warranty agreement between the R. H. Sheppard Co., Inc and Pierce Manufacturing Inc. may be terminated by either party with thirty days written notice prior to termination.

Signed at Pierce Manufacturing Inc., Appleton, WI this _____ day of _____, 2006.

R. H. SHEPPARD CO., INC.

_____
Authorized Signature

_____
Title

PIERCE MANUFACTURING INC.

_____
Authorized Signature

_____
Title

Lifetime Fifty (50) Year Structural Integrity
Custom Chassis Frame
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the purchaser who first puts the product in service ("Buyer"):

Coverage:	**Custom chassis frame rail manufactured by Pierce shall be free from defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Fifty (50) Years (Expected Life of Apparatus)**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty applies to the frame rails only, crossmembers are excluded.** **This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

Three (3) Year Material and Workmanship
TAK-4 Independent Front Suspension

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The TAK-4 Front Independent Suspension and Steering Gears shall be free from defects in material and workmanship.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Three (3) Years -or- 30,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty excludes brake pads, brake rotors, seal boots and shock absorbers.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

12/16/2013 WA0050

SUPPLIER

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the purchaser who first puts the product in service ("Buyer"):

Coverage:	**The Meritor axle shall be covered by Meritor as indicated in the attached Meritor warranty coverage description**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Five (5) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**The exclusions listed in the attached Meritor warranty description shall apply.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

6/29/2020 WA0384

CUMMINS-MERITOR COMMERCIAL VEHICLE SYSTEMS WARRANTY

COVERAGE FOR THE UNITED STATES AND CANADA MODEL YEAR 2024 VEHICLES

Cummins®

Meritor

WARRANTY INFORMATION TABLE OF CONTENTS

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How to Read Warranty Coverage

Number of Years	Mileage (in thousands) Unl = Unlimited	P = Parts Only P&L = Parts and Labor

Notice:
Models or components that are approved for use by Cummins-Meritor's vocational guidelines contained in Cummins-Meritor publication TP-9441 for axles, SP-8320 for trailer axles and TP-12126 for drivelines, or any other products that have an application approval completed with Cummins-Meritor which are not specifically listed, are warranted for one year, unlimited miles, parts only (1/Unl/P).

Products purchased on an incomplete vehicle (glider) are limited to one year, unlimited miles, parts only (1/Unl/P).

Advantage Program

Purchasing additional coverage on select components will continue to safeguard your investment against major repair costs after the initial base coverage expires. You can find out more about the Advantage Program by visiting **meritor.com** or by contacting Cummins-Meritor at **866-OnTrac1 (866-668-7221)**.

LINEHAUL WARRANTY INFORMATION

Vocational Definition of Linehaul

- Long distance hauling of food, goods and finished materials
- Not included are raw ferrous materials, minerals (except oil), sand, gravel, stone, rocks, topsoil, waste or logs
- Linehaul includes turnpike and hub & spoke

Linehaul Vehicles

- Auto Hauler[1]
- Bulk Hauler[1]
- Chip Hauler[1,2]
- Doubles
- Flatbed
- General Freight
- Grain Hauler[1]
- Livestock Hauler
- Moving Van
- Pipe Hauler
- Refrigerated Freight
- Tanker[1]
- Triples

[1] Cummins-Meritor classifies these vehicle types as high center of gravity, which require special axle housing considerations.
[2] Chip Hauler vehicles require specific axle models listed below and Linehaul condition to be eligible for Linehaul warranty consideration.

Linehaul Typically Is:

- High mileage operation (over 60,000 miles/year)
- Greater than 30 miles between starts and stops
- Maximum grades of 12%
- Well maintained highways of concrete or asphalt construction (100% on-road)
- Category A job sites, terminals, docks and transfer sites (defined as pavement, concrete or maintained and hard packed gravel). **Note:** Category B job sites, terminals, docks, transfer sites (defined as loose or unmaintained sand, dirt or gravel; landfill; farm field; mud; or other similar surfaces) are **NOT** approved for certain linehaul axle models.

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 5/750/P&L

FD-965	MFS-10-144A-N	MFS-12-143A-N	MFS-13B-132B-N	MFS-14G-132B-N
FF-941	MFS-12-122A-N	MFS-12E-143A-N	MFS-13B-132C-N	MFS-14-132C-N
FF-942	MFS-12-122B-N	MFS-12-144A-N	MFS-14-122A-N	MFS-14F-132C-N
FF-943	MFS-12-122C-N	MFS-13-122A-N	MFS-14-122B-N	MFS-14G-132C-N
FF-944	MFS-12E-122A-N	MFS-13-122B-N	MFS-14F-122B-N	MFS-14-142B-N
FF-961	MFS-12E-122B-N	MFS-13-122C-N	MFS-14G-122B-N	MFS-14F-142B-N
FF-966	MFS-12E-122C-N	MFS-13-132B-N	MFS-14-122C-N	MFS-14G-142B-N
FF-967	MFS-12-124A-N	MFS-13-132C-N	MFS-14F-122C-N	MFS-14-142C-N
FG-941	MFS-12-132B-N	MFS-13-143A-N	MFS-14G-122C-N	MFS-14F-142C-N
FG-943	MFS-12-132C-N	MFS-13-144A-N	MFS-14-124A-N	MFS-14G-142C-N
MFS-10-122A	MFS-12E-132B-N	MFS-13B-122B-N	MFS-14-132B-N	MFS-14-143A-N
MFS-10-143A-N	MFS-12E-132C-N	MFS-13B-122C-N	MFS-14F-132B-N	MFS-14-144A-N

Rear Drive Single Axles – 5/750/P&L

MS-19-14X	MS-23-17H[1,2]	RS-23-160	RS-23-185
RS-21-160	MS-23-17X[2]	RS-23-161	RS-23-186

[1] Not approved for use in any Category B job sites, terminals, docks or transfer sites.
[2] Recommend 11 mm minimum wall thickness for these models used in combination with high center of gravity vehicles and trailing arm suspensions or vehicles operating mainly in Canada.

LINEHAUL WARRANTY INFORMATION

Rear Drive Tandem/Tridem Axles – 5/750/P&L

RT-40-160/P[1,2]	RZ-166[2]	MA-40-17H[3]	MT-34-14X/P[4]	MT-40-14X/P[4]
RT-46-160/P[1,2]	RT-50-160/P[1,2]	RZ-188	MT-40-14T/P	MT-40-14H/E[3,4]
RT-46-164/P[1,2]	MA-40-165	MA-40-175	MT-40-14X/P[4]	

[1] These models required for Chip Hauler and Linehaul warranty consideration.
[2] Each vehicle must have a Request for Application Recommendation (RAR) approved by Cummins-Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.
[3] Not approved for use in any Category B job sites, terminals, docks or transfer sites.
[4] Recommend 11 mm minimum wall thickness for these models used in combination with high center of gravity vehicles and trailing arm suspensions or vehicles operating mainly in Canada.

Trailer Axles[1]

Beam and Brackets	5/500/P, 1/100/L
TPX3000 Axle Series[2]	10/Unl/P, 1/Unl/L
Wheel End Systems[3]	
Standard System[4]	1/100/P&L
AxlePak5	5/Unl/P&L
AxlePak7[5]	7/Unl/P&L

[1] For brake components and ABS coverage, refer to appropriate product warranties.
[2] Structural components only excluding spindle wear. Spindle wear is 5/Unl/P, 1/Unl/L.
[3] Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.
[4] When installed by Cummins-Meritor.
[5] When specified with AxlePak7 wheel end system, coverage on Meritor Tire Inflation System (MTIS) thru-tee and stator is 7/Unl/P, 1/Unl/L.

TAG/Pusher Axles[1]

TQ, TR Beam and Brackets	5/750/P&L

[1] For brake components and ABS coverage, refer to appropriate product warranties.

Trailer Mechanical Suspension Systems[1]

IMS40 (Integrated Mechanical Suspension – Tandem)[2]	1/Unl/P&L
IMS20 (Integrated Mechanical Suspension – Single)[2]	1/Unl/P&L

[1] For axle coverage, refer to appropriate product warranties.
[2] All other suspension components refer to appropriate manufacturer's warranty.

Trailer Air Suspension Systems

MPA40 (Tandem Axle Parallelogram)[1]	
Major Structural Components	5/500/P, 1/100/L
Curbing Damage Warranty[2]	5/500/P, 1/100/L
Height Control Valve	1/100/P&L
Shock Absorbers	2/200/P&L
Air Springs	2/200/P, 1/100/L
Bushings	5/Unl/P, 3/Unl/L
PinLoc Air Controls	1/100/P&L
PinLoc Actuator	3/300/P&L
MPA20 (Single Axle Parallelogram)	
Major Structural Components	5/500/P, 1/100/L
Height Control Valve	1/100/P&L
Shock Absorbers	2/200/P&L
Air Springs	2/200/P, 1/100/L
Bushings	5/Unl/P, 3/Unl/L
MTA and MTA-Tec6 Trailing Arm Suspension System	
Major Structural Components	5/500/P, 1/100/L
Height Control Valve	1/100/P&L
Air Springs	2/200/P, 1/100/L
Bushings	5/500/P, 3/300/L
Shock Absorbers	2/200/P&L
Lift Kit System	1/100/P&L

[1] Fastener torque coverage is limited to 2/Unl/P&L when torqued by Cummins-Meritor (For axle and ABS coverage, refer to appropriate product warranties.)
[2] "Curbing damage" is defined as deformation (bending, buckling or breakage), caused by sudden impact with a curb or similar fixed object. Damage to the RideSentry slider box (the suspension sliding sub-frame consisting of the frame rails, cross-members and central A-frame assembly), caused by accidental trailer impact with a curb or similar fixed object, is eligible for warranty coverage. Damage to other components or resulting from collision with another vehicle, rollover or fire is not covered under this provision. Warranty is not transferable to another trailer VIN and coverage does not apply if the trailer is deemed to be a total loss, scrapped or otherwise not salvageable.

LINEHAUL WARRANTY INFORMATION

Brake Components

Cam Q Series Trailer Brakes	5/500/P, 1/100/L
Q+ Drum Brake™[1]	5/500/P, 1/Unl/P&L
ASA	5/500/P, 1/Unl/P&L
Hubs/Cast Drums and Other Wheel-End Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
STEELite X30 Drum Brake™[2]	12-Years or Wearable Life/P
EX+ L and EX+LS Air Disc Brake™[3]	5/500/P, 1/Unl/L
EX+L Air Disc Brake Extended Standard Warranty[3,4]	5/500/P&L

[1] For Trailer only, 3/300/P against rust jacking when equipped with Platinum Shield III.

[2] Based on stamped wear diameter max.

[3] Warranty coverage for boots, seals, caps, bushings and pins is 2/200/P. Warranty coverage for pads is 1/100/P.

[4] Applies only to calipers using friction: MA9300 (EX225LXXXCGXXX).

Drivelines

RPL	5/500/P, 1/Unl/P&L
MXL	3/350/P, 1/Unl/P&L
92N	1/Unl/P

Meritor Tire Inflation System (MTIS)

MTIS Components	5/Unl/P, 1/Unl/L

GENERAL SERVICE WARRANTY INFORMATION

General Service Vehicles

- Auto Hauler
- Beverage Truck
- Bulk Hauler
- Chip Hauler
- Cross Country Coach
- Flatbed
- Front Engine Commercial Chassis
- Front Engine Integral Coach
- General Freight
- Grain Hauler
- Intercity Coach
- Intermodal Chassis
- Livestock Hauler
- Meat Packer
- Moving Van
- Municipal Truck
- Newspaper Delivery
- Pick-Up and Delivery
- Pipe Hauler
- Platform Auto Hauler
- Rear Engine Integral Coach
- Recreational Vehicles
- Refrigerated Freight
- School Bus
- Stake Truck
- Tanker
- Tanker Trailer
- Tour Bus
- Wrecker

General Service Typically Is:

- Typically, moderate mileage operation (less than 60,000 miles/year)
- An average of 3 to 30 miles between starts and stops
- Maximum grades of 12%
- Generally, on-road service (less than 10% off-road allowed)
- Category A job sites, terminals, docks and transfer sites (defined as pavement, concrete or maintained and hard packed gravel) or Category B job sites, terminals, docks and transfer sites (defined as loose or unmaintained sand, dirt or gravel; landfill; farm field; mud, or other similar surfaces)

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 2/Unl/P&L

FD-965
FF-941
FF-942
FF-943
FF-944
FF-946
FF-961
FF-966
FF-967
FG-941
FH-941
FH-946[1]
FL-941
FL-943
MFS-6-151A-N
MFS-6-153B-N
MFS-6-162B-N
MFS-6-153C-N
MFS-6-162C-N
MFS-7-113C-N
MFS-7-153C-N
MFS-7-163C-N
MFS-8-113B-N
MFS-8-143A-N
MFS-8-153B-N
MFS-8-163B-N
MFS-10-122A
MFS-10-143A-N
MFS-10-144A-N
MFS-12-122A-N
MFS-12E-122A-N
MFS-12-122B-N
MFS-12E-122B-N
MFS-12-122C-N
MFS-12E-122C-N
MFS-12-124A-N
MFS-12-132B-N
MFS-12E-132B-N
MFS-12-132C-N
MFS-12E-132C-N
MFS-12-143A-N
MFS-12-144A-N
MFS-12E-143A-N
MFS-13-122A-N
MFS-13-122B-N
MFS-13B-122B-N
MFS-13-122C-N
MFS-13B-122C-N
MFS-13-132B-N
MFS-13-132C-N
MFS-13B-132B-N
MFS-13B-132C-N
MFS-13-143A-N
MFS-13-144A-N
MFS-14-122A-N
MFS-14-122B-N
MFS-14F-122B-N
MFS-14G-122B-N
MFS-14-122C-N
MFS-14F-122C-N
MFS-14G-122C-N
MFS-14-124A-N
MFS-14-132B-N
MFS-14F-132B-N
MFS-14G-132B-N
MFS-14-132C-N
MFS-14F-132C-N
MFS-14G-132C-N
MFS-14-142B-N
MFS-14F-142B-N
MFS-14G-142B-N
MFS-14-142C-N
MFS-14F-142C-N
MFS-14G-142C-N
MFS-14-143A-N
MFS-14-144A-N
MFS-16-122A-N
MFS-16-133A-N
MFS-16-135A-N
MFS-16-143A-N
MFS-18-133A-N
MFS-18-135A-N
MFS-18-193A-N
MFS-20-133A-N
MFS-20-135A-N
MFS-20-192A-N
MFS-20-193A-N
MFS-22-135A-N
MFS-22H-135A-N
MFS-22-193A-N
MFS-22H-193A-N

[1] Can also be used with reduced steer angles in tag position in Coach applications.

GENERAL SERVICE WARRANTY INFORMATION

Rear Drive Single Axles – 2/Unl/P&L

MS-17-13X	MS-21-14X	RC-23-162[1]	RS-23-186	MS-26-616-SP
MS-17-14X	MS-23-17X	RC-23-165[1]	RS-24-160	RS-30-185
MS-19-13X	RS-21-160	RS-23-160	RC-25-160	MS-30-616
MS-19-14X	RC-23-160	RS-23-161	RS-26-185	MS-30-616-SP
MS-21-13X	RC-23-161	RS-23-185	MS-26-616	RS-35-380

[1] 3/Unl/P&L if PreSet by Cummins-Meritor.

Rear Drive Tandem/Tridem Axles – 2/Unl/P&L

MT-34-14X/P	MT-44-14X/P	RT-52-185[1]	MT-70-380
MT-40-14T/P	RT-46-169	MT-58-616	RZ-188
MT-40-14X/P	MT-52-616	RT-58-185[1]	

[1] Each vehicle must have a Request for Application Recommendation (RAR) approved by Cummins-Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.

Rear Drive Tandem/Tridem – 3/Unl/P&L

RT-40-160/P	RT-46-160/P	RT-46-164/P	RT-50-160/P	RZ-166

Rear Drive Axles – 1/Unl/P&L

RND-14H	RND-16A

Brake Components

Cam Q Series Trailer Brakes[1]	3/Unl/P, 1/Unl/L
Cam P[2]	2/200/P
Cam	3/Unl/P
Q+ Drum Brake™	3/Unl/P&L
Q+ Drum Brake™[1,2]	2/200/P&L
ASA	3/Unl/P
ASA[2]	2/200/P
Hubs/Cast Drums and Other Wheel-End Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
STEELite X30 Drum Brake™[3]	12-Years or Wearable Life/P
EX+ Air Disc Brake™[4]	2/Unl/P&L

[1] For Trailer only, 3/300/P against rust jacking when equipped with Platinum Shield III or Chassis Protect.
[2] Applies to Tour Bus and Cross Country Coach only.
[3] Based on stamped wear diameter max.
[4] Warranty coverage for boots, seals, caps, bushings and pins is 2/200/P. Warranty coverage for pads is 1/100/P.

Drivelines

RPL	4/400/P, 1/Unl/P&L
MXL	3/350/P, 1/Unl/P&L
92N	1/Unl/P

PTO – 1/Unl/P&L

MPT-170	MPT-185	MPT-500	MPT-1702
MPT-180	MPT-309	MPT-518	

GENERAL SERVICE WARRANTY INFORMATION

Trailer Axles[1]

Beam and Brackets[2]	5/Unl/P, 1/Unl/L
TPX4000 Axle Series[3]	10/Unl/P, 1/Unl/L
Wheel End Systems[4]	
Standard System[5]	1/Unl/P&L
AxlePak5	5/Unl/P&L
AxlePak7[6]	7/Unl/P&L
AxlePak10[7]	10/Unl/P&L

[1] For brake components and ABS coverage, refer to appropriate product warranties.
[2] 9000 Series is 3/Unl/P, 1/Unl/L
[3] Structural components only excluding spindle wear. Spindle wear 5/Unl/P, 1/Unl/L.
[4] Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.
[5] When installed by Cummins-Meritor.
[6] When specified with AxlePak7 wheel end system, coverage on Meritor Tire Inflation System (MTIS) thru-tee and stator is 7/Unl/P, 1/Unl/L.
[7] AxlePak10 is limited to Intermodal Chassis applications equipped with TPX4000 series axles.

TAG/Pusher Axles[1]

TQ, TR Beam and Brackets	3/Unl/P, 1/Unl/L
MC14002, MC16003, FH946[2]	2/Unl/P&L

[1] For brake components coverage, refer to appropriate product warranties.
[2] 3/Unl/P&L if sold with PreSet by Cummins-Meritor.

Meritor Tire Inflation System (MTIS)

MTIS Components	5/Unl/P, 1/Unl/L

Trailer Mechanical Suspension Systems[1]

IMS40 (Integrated Mechanical Suspension – Tandem)[2]	1/Unl/P&L
IMS20 (Integrated Mechanical Suspension – Single)[2]	1/Unl/P&L

[1] For axle coverage, refer to appropriate product warranties.
[2] All other suspension components refer to appropriate manufacturer's warranty.

Trailer Air Suspension Systems[1]

MPA40 (Tandem Axle Parallelogram)[2]	
Major Structural Components	5/Unl/P, 1/Unl/L
Curbing Damage Warranty[3]	5/500/P, 1/100/L
Height Control Valve	1/Unl/P&L
Shock Absorbers	2/Unl/P&L
Air Springs	2/Unl/P, 1/Unl/L
Bushings	5/P, 3/L
PinLoc Air Controls	1/Unl/P&L
PinLoc Actuator	3/Unl/P&L
MPA20 (Single Axle Parallelogram)	
Major Structural Components	5/Unl/P, 1/Unl/L
Height Control Valve	1/Unl/P&L
Shock Absorbers	2/Unl/P&L
Air Springs and Rebound Straps	2/Unl/P, 1/Unl/L
Bushings	5/P, 3/L
MTA and MTA-Tec6 Trailing Arm Suspension System	
Major Structural Components	5/Unl/P, 1/Unl/L
Height Control Valve	1/Unl/P&L
Air Springs	2/Unl/P, 1/Unl/L
Bushings[4]	5/Unl/P, 3/Unl/L
Shock Absorbers	2/Unl/P&L
Lift Kit System	1/Unl/P&L

[1] For axle coverage, refer to appropriate product warranties.
[2] Fastener torque coverage is limited to 2/Unl/P&L when torqued by Cummins-Meritor.
[3] "Curbing damage" is defined as deformation (bending, buckling or breakage), caused by sudden impact with a curb or similar fixed object. Damage to the RideSentry slider box (the suspension sliding sub-frame, consisting of the frame rails, cross-members and central A-frame assembly), caused by accidental trailer impact with a curb or similar fixed object, is eligible for warranty coverage. Damage to other components or damage resulting from collision with another vehicle, rollover or fire is not covered under this provision. Warranty is not transferable to another trailer VIN and coverage does not apply if the trailer is deemed to be a total loss, scrapped or otherwise not salvageable.
[4] Raw wood applications 3/Unl/P, 1/Unl/L

HEAVY SERVICE/SPECIALTY VEHICLE WARRANTY INFORMATION

Heavy Service/Specialty Vehicles

- Airport Rescue Fire Fighting (ARFF)
- Airport Shuttle[1]
- Asphalt Truck
- Block Truck
- Bottom Dump Trailer Combination
- Cementing Vehicle
- Commercial Pick-Up
- Concrete Pumper
- Construction Material Hauler
- Mixer
- Demolition
- Drill Rig
- Dump
- Equipment Hauling
- Flatbed Trailer Hauler
- Flatbed Truck
- Fracturing Truck
- Front Loader
- Geophysical Exploration
- Hopper Trailer Combinations
- Landscaping Truck
- Liquid Waste Hauler
- Log Hauling
- Lowboy
- Michigan Special Gravel Train
- Michigan Special Log Hauler
- Michigan Special Steel Hauler
- Michigan Special Waste Vehicle
- Municipal Dump
- Rear Loader (Refuse)
- Recycling Truck
- Residential Pick-Up (Refuse)
- Rigging Truck
- Roll-Off
- Scrap Truck
- Semi-End Dump
- Sewer/Septic Vacuum
- Shuttle Bus[1]
- Side Loader
- Snowplow/Snowblower
- Steel Hauling
- Tanker
- Tank Truck
- Tractors with Pole Trailers
- Tractor/Trailer with Jeeps
- Transfer Dump
- Transfer Vehicle
- Utility Truck
- Winch Truck

[1] Commercial chassis only

Heavy Service/Specialty Vehicle Typically Is:

- Moderate mileage operation (less than 60,000 miles per year)
- On/off-road vocations (10% or more off-road)
- Moderate to frequent stops/starts (up to 10 stops per mile)
- An average of three (3) miles between starting and stopping

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 2/Unl/P&L

FD-965
FF-941
FF-942
FF-943
FF-944
FF-946
FF-961
FF-966
FF-967
FG-941
FG-943
FH-941
FH-946
FL-941
FL-943
MFS-6-151A-N
MFS-6-153B
MFS-6-162B
MFS-6-162C
MFS-7-113C-N
MFS-7-153C-N
MFS-7-163C-N
MFS-8-113B-N
MFS-8-153B-N
MFS-8-163B-N
MFS-10-122A
MFS-10-143A-N
MFS-10-144A-N
MFS-12-122
MFS-12E-122
MFS-12-122B-N
MFS-12E-122B-N
MFS-12-122C-N
MFS-12E-122C-N
MFS-12-124A-N
MFS-12-132B-N
MFS-12E-132B-N
MFS-12-132C-N
MFS-12E-132C-N
MFS-12-143A-N
MFS-12-144A-N
MFS-12-155
MFS-13-122
MFS-13-122B-N
MFS-13B-122B-N
MFS-13-122C-N
MFS-13B-122C-N
MFS-13-132B-N
MFS-13B-132B-N
MFS-13-132C-N
MFS-13B-132C-N
MFS-13-143A-N
MFS-13-144A-N
MFS-13-155
MFS-14-122
MFS-14-122B-N
MFS-14F-122B-N
MFS-14G-122B-N
MFS-14-122C-N
MFS-14F-122C-N
MFS-14G-122C-N
MFS-14-124A-N
MFS-14-132B-N
MFS-14F-132B-N
MFS-14G-132B-N
MFS-14-132C-N
MFS-14F-132C-N
MFS-14G-132C-N
MFS-14-142B-N
MFS-14F-142B-N
MFS-14G-142B-N
MFS-14-142C-N
MFS-14F-142C-N
MFS-14G-142C-N
MFS-14-143A-N
MFS-14-144A-N
MFS-16-122A-N
MFS-16-133A-N
MFS-16-135A-N
MFS-16-143A-N
MFS-18-133A-N
MFS-18-135A-N
MFS-18-192A-N
MFS-18-193A-N
MFS-20-133A-N
MFS-20-135A-N
MFS-20-192A-N
MFS-20-193A-N
MFS-22-135A-N
MFS-22H-135A-N
MFS-22-193A-N
MFS-22H-193A-N
RF-16-145
RF-21-160

HEAVY SERVICE/SPECIALTY VEHICLE WARRANTY INFORMATION

Front Drive Steer Axles – 2/Unl/P&L

MX-10-120	MX-12-120 EVO	MX-16-120	MX-19-140	MX-23-160
MX-10-120 EVO	MX-14-120	MX-18-120	MX-21-140	MX-23-810
MX-12-120	MX-14-120 EVO	MX-17-140	MX-21-160	

Front Drive Steer Axles – 1/Unl/P&L

MX-08-130-FV (FSD-08A)	MX-14-130-FV (FSD-14A)	MX-20-130-FV (FSD-20A)	MX-23-130-SD (SDA-2300)
MX-10-130-FV (FSD-10A)	MX-16-130-FV (FSD-16A)	MX-21-130-FV (FSD-21A)	
MX-12-130-FV (FSD-12A)	MX-18-130-FV (FSD-18A)	MX-21-130-SD (SDA-2100)	
MX-13-130-FV (FSD-13A)	MX-18-130-SD (SDA-1800)	MX-23-130-FV (FSD-23A)	

Rear Drive Axles – 2/Unl/P&L

MS-17-14X	RH-23-160	RS-23-186/380	MS-26-616-SP	RS-30-185/380
MS-19-14X	RS-23-160	RS-24-160	RS-26-185/380	MS-35-380
MS-21-14X	RC-23-161	RC-25-160	RC-26-633	RS-38-380
RS-21-160	RS-23-161	RS-25-160	MS-30-616	MT-58-616
RC-23-160	RS-23-185	MS-26-616	MS-30-616-SP	MT-58-616-SP

Rear Drive Axles – 1/Unl/P&L

RND-14H	RND-16A

Rear Drive Tandem/Tridem Axles – 2/Unl/P&L

MT-34-14X/P	MT-44-14X/P	MT-52-616	MT-58-616	RT-70-380
MT-40-14T/P	RT-46-169	MT-52-616-SP	MT-58-616-SP	MT-70-380
MT-40-14X/P	RT-58-160	RT-52-185/380[1,2]	RT-58-185/380[1,2]	RZ-188

[1] Axle model designated will vary according to options and variations specified on these axles. Contact Cummins-Meritor Axle Applications Engineering for details.
[2] Each vehicle must have a Request for Application Recommendation (RAR) approved by Cummins-Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.

Rear Drive Tandem/Tridem – 3/Unl/P&L

RT-40-160/P/A[3]	RT-46-160/P/A[1,3]	RT-46-164/P[2,3]	RT-50-160/P/A[3]	RZ-166

[1] U.S. only. Canadian warranty = 1/Unl/P for combination vehicles only.
[2] Axle model designated will vary according to options and variations specified on these axles. Contact Cummins-Meritor Axle Applications Engineering for details.
[3] Each vehicle must have a Request for Application Recommendation (RAR) approved by Cummins-Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.

PTO – 1/Unl/P&L

MPT-170	MPT-185	MPT-500	MPT-1702
MPT-180	MPT-309	MPT-518	

HEAVY SERVICE/SPECIALTY VEHICLE WARRANTY INFORMATION

Drivelines

RPL	3/Unl/P, 1/Unl/P&L
92N	1/Unl/P&L
MXL	1/Unl/P&L

Transmission – 1/Unl/P&L

FAT 30

Brake Components

Cam P	3/Unl/P
Cam P	2/100/P
Cam Cast Plus™	2/100/P&L
Q+ Drum Brake™[1]	3/Unl/P&L
Q+ Drum Brake™[2]	2/100/P&L
ASA	3/Unl/P
ASA[2]	2/100/P
Hubs/Cast Drums and Other Wheel-End Components[3]	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
EX+ Air Disc Brake[4]	2/100/P&L

[1] For Trailer only, 3/300/P against rust jacking when equipped with Platinum Shield III.
[2] Applies to City Bus, Trolley, Shuttle Bus and Airport Shuttle only.
[3] Based on stamped wear diameter max.
[4] Warranty coverage for boots, seals, caps, bushings and pins is 2/100/P. Warranty coverage for pads is 1/100/P.

Trailer Axles[1]

Beam and Brackets[2]	5/Unl/P, 1/Unl/L
Wheel End Systems[3]	
Standard System[4]	1/Unl/P&L

[1] For brake components coverage, refer to appropriate product warranties.
[2] 9000 Series is 3/Unl/P, 1/Unl/L
[3] Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.
[4] When installed by Cummins-Meritor.

Trailer Air Suspension Systems[1]

MTA and MTA-Tec6 Trailing Arm Suspension System	
Major Structural Components[2]	5/500/P, 1/100/L
Height Control Valve	1/100/P&L
Air Springs	2/200/P, 1/100/L
Bushings[2]	5/500/P, 3/300/L
Shock Absorbers	2/200/P&L
Lift Kit System	1/100/P&L

[1] For axle coverage, refer to appropriate product warranties.
[2] Raw wood applications 3/Unl/P, 1/Unl/L

Meritor Tire Inflation System (MTIS)

MTIS Components	5/Unl/P, 1/Unl/L

Gearboxes – 1/Unl/P&L

MGX-402	MGX-450	MGX-466	MGX-538
MGX-423	MGX-451	MGX-479	

Transfer Cases – 1/Unl/P

MTC-2212-CV (306)
MTC-3106-FV (TC-137)
MTC-3111 (T-2111)
MTC-3112-CV (548C)
MTC-3116 (T-2111 through-shaft)
MTC-3118-FV (TC-180 and TC-180-23)
MTC-3118-CV (358)
MTC-3120-FV (TC-143)
MTC-3124 (T-2119)
MTC-3203
MTC-3205-GV (MTC-25/RTC-25)
MTC-3206-FV (TC-237)
MTC-3206-CS (544)
MTC-3208-GV (RTC-50)
MTC-3209-GV (MTC-60/RTC-60)
MTC-3212-CV (315 and 548B)
MTC-3312-FV (TC-270)
MTC-3220-FC (TC-142)
MTC-4206-FV (TC-38)
MTC-4208
MTC-4210
MTC-4213

FIRE AND EMERGENCY WARRANTY INFORMATION

Fire and Emergency Vehicles

- Aerial Ladder Truck
- Aerial Platform
- Ambulance
- Command Vehicle
- Crash Fire Rescue
- Pumper
- Rapid Intervention Vehicle (RIV)
- Tanker

Fire and Emergency Typically Is:

- Lower mileage operations (less than 20,000 miles/year)
- Generally, on-road service (less than 10% off-road)
- An average of three (3) miles between starting and stopping

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 5/Unl/P&L

FL-941	MFS-18-135A-N	MFS-20-135A-N	MFS-22H-135A-N
FL-943	MFS-18-193A-N	MFS-20-193A-N	MFS-22-193A-N
MFS-18-133A-N	MFS-20-133A-N	MFS-22-135A-N	MFS-22H-193A-N

Front Drive Steer Axles – 2/Unl/P&L

MX-19-140	MX-21-140	MX-21-160	MX-23-160	MX-23-810

Rear Drive Single Axles – 5/Unl/P&L

RC-23-160	RS-23-185	RC-25-160	RS-35-185[1]
RS-23-160	RS-23-186	RS-26-185	RS-25-160
RS-23-161	RS-24-160	RS-30-185	

[1] 2/Unl/P&L if PreSet by Cummins-Meritor.

Rear Drive Tandem/Tridem Axles – 5/Unl/P&L

MT-40-14X/P	RT-46-160/P	RT-50-160/P	MT-58-616
RT-40-160/P	RT-46-164/P	MT-52-616	RT-58-185[1]
MT-44-14X/P	RT-46-169	RT-52-185[1]	MT-70-380[2]

[1] Each vehicle must have a Request for Application Recommendation (RAR) approved by Cummins-Meritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.

[2] 2/Unl/P&L

Transfer Cases – 1/Unl/P

MTC-2212-CV (306)	MTC-3124 (T-2119)	MTC-3220-FC (TC-142)
MTC-3106-FV (TC-137)	MTC-3206-FV (TC-237)	MTC-4206-FV (TC-38)
MTC-3111 (T-2111 through-shaft)	MTC-3206-CS (544)	MTC-4208
MTC-3112-CV (548C)	MTC-3208-GV (RTC-50)	MTC-4210
MTC-3118-FV (TC-180 and TC-180-23)	MTC-3209-GV (MTC-60/RTC-60)	MTC-4213
MTC-3118-CV (358)	MTC-3212-CV (315 and 548B)	
MTC-3120-FV (TC-143)	MTC-3312-FV (TC-270)	

FIRE AND EMERGENCY WARRANTY INFORMATION

Brake Components

Cam	3/Unl/P
Q+ Drum Brake™	3/Unl/P&L
ASA	3/Unl/P
Hubs/Cast Drums and Other Wheel-End Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
EX+ Air Disc Brake™[1]	2/Unl/P&L

[1] Warranty coverage for boots, seals, caps, bushings and pins is 2/200/P.
Warranty coverage for pads is 1/100/P.

Drivelines

RPL	4/400/P, 1/Unl/L
MXL	3/350/P, 1/Unl/L
92N	1/Unl/P

PTO – 1/Unl/P&L

MPT-170	MPT-185	MPT-500	MPT-1702
MPT-180	MPT-309	MPT-518	

TRANSIT BUS WARRANTY INFORMATION

Transit Bus Vehicles

- Airport Shuttle
- City Bus
- Commuter Coach
- Shuttle Bus
- Transit Bus
- Trolley

Transit Bus Typically Is:

- Moderate mileage operation (less than 50,000 miles per year)
- Moderate to frequent stops/starts (up to 10 stops per mile)

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 5/300/P&L

FH-946	FH-941[1]	MFS-12-155	MFS-13-155

[1] Commuter coach only – 2/Unl/P&L

Rear Drive Single Axles – 5/300/P&L

RS-23-160	71163	RC-23-162[1]	RS-21-160
RC-23-161	79163	RC-23-165[1]	

[1] Commuter coach only – 2/Unl/P&L

Tag Axles – 2/Unl/P&L

MC-14002	MC-16003	FH-946

Center Non-drive Axles – 5/300/P&L

MC-26000	71063	79063

Gearboxes – 1/Unl/P&L

MGX-450	MGX-451	MGX-538

Brake Components

Cam Cast Plus™	2/100/P&L
Q+ Drum Brake™[1]	2/100/P&L
ASA[1]	2/100/P
Hubs/Cast Drums and Other Wheel-End Components	1/Unl/P
All Other Brakes	1/Unl/P
EX+ Air Disc Brake[2]	2/100/P&L

[1] Applies to City Bus, Trolley, Shuttle Bus and Airport Shuttle only.
[2] Warranty coverage for boots, seals, caps, bushings and pins is 2/100/P. Warranty coverage for pads is 1/100/P.

Drivelines

RPL	3/Unl/P, 1/Unl/L
92N	1/Unl/P&L
MXL	1/Unl/P&L

OFF-HIGHWAY SERVICE WARRANTY INFORMATION

Industrial and Off-Highway Service Vehicles

- Load-On/Load-Off
- Port Tractor
- Rail Yard Spotter
- Roll-On/Roll-Off
- Stevedoring Tractor
- Trailer Spotter
- Yard Jockey
- All and Rough Terrain Cranes
- Forestry
- Material Handling
- Specialized Heavy Haul
- Excavator
- Compactor
- Fertilizer Spreader
- Snow Blower
- Mining and Specialized Mining
- Rail Car Mover
- Loader
- Tow Tractor
- Pushback Tractor

Industrial and Off-Highway Service Typically Is:

- Low mileage operation
- Low speed vehicle speed restriction
- Vehicles are not typically licensed for highway use
- Six (6) starts/stops per mile (typical)

Coverage under Cummins-Meritor's warranty require that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Contact Cummins-Meritor regarding specific application approval questions on any product line.

Front Non-Drive Steer Axles – 1/Unl/P

FF - 941	FG - 941	FN - 951	MFS-20-192A-N	MFS-22-193A-N
FF - 943	FG - 943	FS-25	MFS-20-193A-N	MFS-22H-193A-N
FF - 961	FL - 941	MFS-20-133A-N	MFS-22-135A-N	MON-Z0 FAMILY
FF - 966	FL - 943	MFS-20-135A-N	MFS-22H-135A-N	

Rear Drive Axles – 1/Unl/P

MT-14X[1]	RS-23-380	RS-30-185	RT-145[1]
RS-23-186	RS-24-160	RS-30-380	RT-160[1]

[1] 2/Unl/P for LO/LO Terminal Tractor applications

Planetary Axles – 1/Unl/P

MOB	MOE	MOH	MOT	MOZ
MOC	MOF	MOR	MOX	
MOD	MOG	MOS	MOY	

Gearboxes – 1/Unl/P&L

MGX-402	MGX-450	MGX-466	MGX-538
MGX-423	MGX-451	MGX-479	

PTO – 1/Unl/P&L

MPT-170	MPT-185	MPT-500	MPT-1702
MPT-180	MPT-309	MPT-518	

OFF-HIGHWAY SERVICE WARRANTY INFORMATION

Transfer Cases – 1/Unl/P

MTC-2212-CV (306)
MTC-3106-FV (TC-137)
MTC-3111 (T-2111 through-shaft)
MTC-3112-CV (548C)
MTC-3116 (T-2111)
MTC-3118-FV (TC-180 and TC-180-23)
MTC-3118-CV (358)
MTC-3120-FV (TC-143)
MTC-3124 (T-2119)
MTC-3206-FV (TC-237)
MTC-3208-GV (RTC-50)
MTC-3209-GV (MTC-60/RTC-60)
MTC-3220-FC (TC-142)

Drivelines – 1/Unl/P

RPL
MXL

Transmission – 1/Unl/P&L

FAT 30

Brake Components

Cam	3/Unl/P
Q+ Drum Brake™	3/Unl/P&L
ASA	3/Unl/P
Hubs/Cast Drums and Other Wheel-End Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P

TERMS AND CONDITIONS

Coverage Exclusions

Product Description

All
The cost of any repairs, replacements or adjustments to a covered component (1) associated with noise; (2) resulting from the use or installation of non-genuine Cummins-Meritor components or materials; (3) due to vibration associated with improper operation or misapplication of drivetrain components; and (4) damage resulting from corrosion.

For axle assemblies supplied by Cummins-Meritor with suspension and interface brackets designed and/or attached by non-Cummins-Meritor parties, Cummins-Meritor warranty coverage does not apply to the brackets, bracket attachment methods and field issues caused by brackets or bracket attachments to any covered component unless specified in a separate OEM agreement.

Front Axles[1]
Linehaul – King Pin Bushings 1yr/Unl P&L
All Other Vocations – King Pin Bushings Excluded

[1] King Pin Bushing wear excluded for all vocations.

Rear Axles
Self-contained traction equalizers and oil filters. The use of NoSPIN differentials will result in the exclusion of axle shafts from warranty considerations. NoSPIN is a product of Eaton.

ASA
Boot and bushing. Bent, broken, over-torqued, missing or otherwise damaged pawl assemblies.

Cam Brake
Brake lining wear and brake shoe “rust-jacking.”

Disc Brake
Pad wear, rotor wear.

Coverage Limitations

Product Description

All
Any claim beyond 60 days from date of repair will not be accepted or honored under this warranty program. Products purchased on an incomplete vehicle (glider) are limited to one year, unlimited miles parts only (1/Unl/P).

Warranty coverage on vehicles with 1,850 lb-ft engine torque and over may be reduced on individual drivetrain components. Contact your Cummins-Meritor representative for specific details.

Front Axles
Tie rod and tie rod ends limited to 3-year/300,000-mile or published vocational coverage, whichever is less. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by Cummins-Meritor.

Rear Axles
Pinion and through shaft seals limited to 3-year/300,000-mile or published vocational coverage, whichever is less, if yoke is installed by Cummins-Meritor. If yoke is not installed by Cummins-Meritor, then Cummins-Meritor does not warrant pinion seals. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by Cummins-Meritor.

Rear Axles
The Cummins-Meritor breather part number A-2297-C-8765 with A-3196-J-1336 hose must be used for eligibility of any potential warranty consideration relating to contamination and/or loss of lube in axles.

Cam Brake
Limited to bracket, brake spider and camshaft structural integrity.

STEELite X30
Wearable life is up to the discard diameter of the drum.

Terms and Conditions

(1) What is Covered by this Commercial Warranty?

Meritor Heavy Vehicle Systems, LLC warrants to the owner (“Owner”) that the components listed in this publication, which have been installed by an Original Equipment Manufacturer (“OEM”) as original equipment in vehicles licensed for on-highway use, will be free from defects in material and workmanship. This warranty coverage begins only after the expiration of the OEM’s vehicle warranty for the applicable covered components. Warranty coverage ends at the expiration of the applicable time period from the date of vehicle purchase by the first Owner or the applicable mileage limitation, whichever occurs first. Duration of coverage varies by component and vocation as detailed elsewhere in this warranty statement.

Some components are warranted for parts only and the Owner must pay any labor costs associated with the repair or replacement of the component. Other components are warranted for both parts and reasonable labor to repair or replace the subject component. Components (whether new, used or remanufactured) installed as replacements under this warranty are warranted only for the remainder of the original period of time or mileage under the original warranty.

For certain components, coverage requires the use of specific extended drain interval or synthetic lubricants. For further information about lubrication and maintenance, see Cummins-Meritor publication Maintenance Manual Number I and the applicable Cummins-Meritor maintenance manual for the product in question. Other conditions and limitations applicable to this warranty are detailed below.

TERMS AND CONDITIONS

(2) Designation of Vocational Use Required

To obtain warranty coverage, each Owner must notify Cummins-Meritor through the OEM new truck and/or trailer dealer of the intended vocational use of the vehicle into which the Cummins-Meritor components have been incorporated prior to the vehicle in-service date. This notification may be accomplished by registering the vehicle through your OEM new truck and/or trailer dealer or with Cummins-Meritor directly. Failure to notify Cummins-Meritor of (I) the intended vocational use of the vehicle or (II) a change in vocational use from that which was originally designated, will result in the application of a one year, unlimited mileage, parts only warranty (1/Unl/P) from the initial in-service date.

A second Owner and each subsequent Owner must also notify Cummins-Meritor as to the intended vocational use of the vehicle. This notification can be sent directly to Cummins-Meritor or through the OEM new truck and/or trailer dealer. The duration and mileage coverage of this warranty cannot exceed the coverage extended to the first Owner after his or her initial designation of vocational use.

Coverage under Cummins-Meritor's warranty requires that the application of products be properly approved pursuant to OEM and Cummins-Meritor approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, TP-12126 for drivelines and/or contact Cummins-Meritor regarding specific application approval questions on any product line.

(3) What is the Cost of this Warranty?

There is no charge to the Owner for this warranty.

(4) What is not Covered by this Warranty?

This warranty does not cover normal wear and tear; nor does it cover a component that fails, malfunctions or is damaged as a result of (I) improper installation, adjustment, repair or modification (including the use of unauthorized attachments or changes or modification in the vehicle's configuration, usage or vocation from that which was originally approved by Cummins-Meritor), (II) accident, natural disaster, abuse or improper use (including loading beyond the specified maximum vehicle weight or altering engine power settings to exceed the axle and/or driveline capacity) or (III) improper or insufficient maintenance (including deviation from approved lubricants, change intervals or lube levels). This warranty does not cover any component or part that is not branded by Cummins-Meritor. **For vehicles that operate full or part time outside of the United States and Canada, a one year, unlimited mileage, parts only warranty (1/Unl/P) will apply.**

(5) Remedy

The exclusive remedy under this warranty shall be the repair or replacement of the defective component at Cummins-Meritor's option. Cummins-Meritor reserves the right to require that all applicable failed materials are available and/or returned to Cummins-Meritor for review and evaluation.

(6) Disclaimer of Warranty

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESSED, IMPLIED OR STATUTORY INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

(7) Limitation of Remedies

In no event shall Cummins-Meritor be liable for special, incidental, indirect or consequential damages of any kind or under any legal theory, including, but not limited to, towing, downtime, lost productivity, cargo damage, taxes or any other losses or costs resulting from a defective covered component.

(8) To Obtain Service

If the Owner discovers within the applicable coverage period a defect in material or workmanship, the Owner must promptly give notice to either Cummins-Meritor or the dealer from which the vehicle was purchased. To obtain service, the vehicle must be taken to any participating OEM new truck and/or trailer dealer or authorized Cummins-Meritor service location. The dealer will inspect the vehicle and contact Cummins-Meritor for an evaluation of the claim. When authorized by Cummins-Meritor, the dealer will repair or replace during the term of this warranty any defective Cummins-Meritor component covered by this warranty.

(9) Entire Agreement

This is the entire agreement between Cummins-Meritor and the Owner about warranty and no Cummins-Meritor employee or dealer is authorized to make any additional warranty on behalf of Cummins-Meritor. This agreement allocates the responsibilities for component failure between Cummins-Meritor and the Owner.

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Product models, brands, names and trademarks depicted herein are the property of their respective owners and, except where otherwise indicated, are not in any way associated with Meritor Heavy Vehicle Systems, LLC, or any parent or affiliate, thereof.

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Three (3) Year Material and Workmanship
Meritor Wabco ABS Brake System
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The Meritor Wabco ABS brake system shall be covered by Meritor Wabco as indicated in the attached Meritor Wabco warranty coverage description**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Three (3) Year**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**The exclusions listed in the attached Meritor Wabco warranty description shall apply.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/25/2013 WA0232

WARRANTY

MODEL YEAR 2021 VEHICLES

Warranty coverage is essential to protecting your investment. But understanding the full details of your coverage can be challenging. This straightforward approach allows you, our valued customer, to better understand how your specific vehicle applications will be covered in your region. Our component warranty coverage is provided according to vocation/usage categories listed below.

- Linehaul covers high mileage operation (over 60,000 miles/year) on well-maintained major highways of concrete or asphalt construction.
- General Service covers moderate mileage operations (less than 60,000 miles/year) on well-maintained public roads (less than 10 percent off-road) typically with less than three (3) stops per mile.
- Heavy Service (Vocational) covers vehicles with more than 10 percent off-road OR moderate to frequent starts/stops typically with more than three (3) stops per mile.
- Off-Highway Service covers lower mileage operations. Vehicles are not typically licensed for highway use.

How to Read Warranty Coverage (Example)		
Number of Years	**Mileage (in thousands) Unl=Unlimited**	**P=Parts Only P&L=Parts & Labor**
3	300	P

- The standard aftermarket warranty for WABCO products - including WABCO Original parts, WABCO Reman Solutions, ProVia quality aftermarket parts and WABCO retrofit solutions - is one year, parts only from in-service date when purchased from ZF distributor networks or its affiliates and/or subsidiaries.

WABCO

LINEHAUL/GENERAL SERVICE WARRANTY INFORMATION

LINEHAUL/GENERAL SERVICE VEHICLES

- Aerial Ladder Truck
- Aerial Platform
- Ambulance
- Auto Hauler
- Beverage Truck
- Bulk Hauler
- Chip Hauler (Truck)
- Cross Country Coach
- Doubles
- Flatbed
- Front Engine Commercial Chassis
- Front Engine Integral Coach
- General Freight
- Grain Hauler
- Intercity Coach
- Intermodal Chassis
- Livestock Hauler
- Meat Packer
- Moving Van
- Municipal Truck
- Pipe Hauler
- Platform Auto Hauler
- Pumper
- Rear Engine Integral Coach
- Recreational Vehicles
- Refrigerated Freight
- School Bus
- Stake Truck
- Tanker
- Tanker Truck
- Triples
- Tour Bus
- Wrecker

LINEHAUL TYPICALLY IS

- High mileage operation (over 60,000 miles/year)
- Well maintained major highways of concrete or asphalt construction

GENERAL SERVICE TYPICALLY IS

- Moderate mileage operations (less than 60,000 miles/year)
- Well maintained public roads (less than 10% off-road)
- Less than three (3) stops per mile

WABCO Components[1]	
Air Management	
Air Brake Valves	1/100/P&L
Trailer Lift Axle Control Valve	
Trailer Control Line Filter[3]	
Air Compressors (ALL)[2]	2/200/P&L
Air Dryers (ALL)	3/300/P&L
Aerodynamics	
OptiFlow® TrailerSkirt	2/UnU/P
OptiFlow® Trailer Tail and AutoTail	2/Unl/P
Braking Systems	
ABS (Anti-Lock Braking System) Air	3/300/P&L
ABS (Anti-Lock Braking System) Hydraulic	
Electronic Braking System (EBS)	
Electronic Stability Control (ESC)	
Roll Stability Control (RSS)	
Trailer Roll Stability Support (RSS)	
Trailer ABS (Anti-Lock Braking System)[3]	
Driveline Suspension Control	
Clutch Controls	2/200/P&L
Leveling Valves	1/100/P&L
OptiRide® Automated Manual Transmission (AMT)	
OptiRide® Electronically Controlled Air Suspension (ECAS)	3/300/P&L

WABCO Components[1] (cont.)	
Safety	
OnGuardACTIVE®	3/300/P&L
OnLane®	
OnLaneALERT®	
OnSide®	
Trailer SafeStart™	
Trailer TailGUARD™	
Telematics	
TrailerCAST™ Telematics Device	3/300/P&L
Wheel End Solutions	
EasyFit™ Slack Adjuster	6/600/P
MAXXUS™ Truck Air Disc Brake	5/500/P&L
IVTM - Wheel Module	6/P
IVTM - All Other Products	2/P
Pan 17 and 19 Air Disc Brake	2/Unl/P and 1/Unl/L
Pan 22 Air Disc Brake	5/500/P and 1/L
TRISTOP™ D Actuator w/ IBV or IRB	6/600/P
TRISTOP™ D Actuator	3/300/P
UNISTOP™ Actuator	2/200/P
Trailer MAXX22T™ Air Disc Brake	5/500/P and 1/L

[1] ZF and WABCO branded components. [2] WABCO compressors installed on Cummins, Mercedes, and DDC engines are not warranted or serviced by ZF. Please contact your respective dealer/distributor of those engines for warranty and servicing. [3] An extended warranty of 4/400/P will apply when a WABCO Trailer Control Line Filter is used in combination with a WABCO Trailer ABS valve.

HEAVY SERVICE (VOCATIONAL) WARRANTY INFORMATION

HEAVY SERVICE VEHICLES

- Airport Rescue Fire (ARF)
- Airport Shuttle
- Asphalt Truck
- Block Truck
- Bottom Dump Trailer Combination
- Cementing Vehicle
- City Bus
- Commercial Pick-Up
- Concrete Pumper
- Construction Material Hauler
- Crash Fire Rescue (CFR)
- Mixer
- Demolition
- Drill Rig
- Dump
- Emergency Service
- Equipment Hauling
- Flatbed Trailer Hauler
- Flatbed Truck
- Fracturing Truck
- Front Loader
- Geophysical Exploration
- Hopper Trailer Combinations
- Landscaping Truck
- Liquid Waste Hauler
- Log Hauling
- Lowboy
- Michigan Special Gravel Trains
- Michigan Special Log Hauler
- Michigan Special Steel Hauler
- Michigan Special Waste Vehicle
- Municipal Dump
- Newspaper Delivery
- Package Delivery
- Pick-up and Delivery
- Rapid Intervention Vehicle (RIV)
- Rear Loader
- Recycling Truck
- Residential Pick-Up/Waste
- Rigging Truck
- Roll-Off
- Scrap Truck
- Semi-End Dump
- Sewer/Septic Vacuum
- Shuttle Bus
- Side Loader
- Snowplow/Snowblower
- Steel Hauling
- Tanker
- Tank Truck
- Tractors with Pole Trailers
- Tractor/Trailer with Jeeps
- Transfer Dump
- Transfer Vehicle
- Transit Bus
- Trolley
- Utility Truck
- Winch Truck

HEAVY SERVICE TYPICALLY IS

- On/Off road vocations (10% or more off-road) OR
- Moderate to frequent starts/stops typically more than three (3) stops per mile

WABCO Components[1]	
Air Management	
Air Brake Valves	1/100/P&L
Air Compressors (ALL)2	
Air Dryers (ALL)	
Trailer Control Line Filter[3]	
Braking Systems	
ABS (Anti-Lock Braking System) Air	3/300/P&L
ABS (Anti-Lock Braking System) Hydraulic	2/200/P&L
Electronic Braking System (EBS)	3/300/P&L
Electronic Stability Control (ESC)	
Trailer ABS Valve[3]	
Roll Stability Control (RSS)	
Trailer Roll Stability Support (RSS)	
Driveline Suspension Control	
OptiRide® Electronically Controlled Air Suspension (ECAS)	2/200/P&L
Leveling Valves	1/100/P&L
Clutch Controls	2/200/P&L
Safety	
OnGuardACTIVE®	3/300/P&L
OnLane®	
OnLaneALERT®	
OnSide®	
Trailer SafeStart™	
Trailer TailGUARD™	
Telematics	
TrailerCAST™ Telematics Device	3/300/P&L
Wheel End Solutions	
EasyFit™ Slack Adjuster	2/200/P
MAXXUS™ Air Disc Brake	1/Unl/P&L
IVTM - Wheel Module	6/P
IVTM - All Other Products	2/P
Pan 22, 19 and 17 Air Disc Brake	1/Unl/P&L
Trailer MAXX22T™	1/Unl/P&L
TRISTOP™ D Actuator w/ IBV	3/Unl/P
TRISTOP™ D Actuator	2/200/P
UNISTOP™ Actuator	1/100/P

1 ZF and WABCO branded components. 2 WABCO compressors installed on Cummins, Mercedes, and DDC engines are not warranted or serviced by ZF. Please contact your respective dealer/distributor of those engines for warranty and service information. An extended warranty of 4/400/P will apply when a WABCO Trailer Control Line Filter is used in combination with a WABCO Trailer ABS valve.

INDUSTRIAL/OFF-HIGHWAY SERVICE WARRANTY INFORMATION

INDUSTRIAL AND OFF-HIGHWAY SERVICE TYPICALLY IS

- Low mileage operation[3]
- Vehicles are not typically licensed for highway use

Market	Common Application Types
Agriculture	Fertilizer Spreader, Tractor, Heavy Duty Ag Trailers, Harvester, Sprayer, Skid Loader, Silage Bagger, Slurry Wagons, Grain Cart
Airport Support	Pushback Tractor, Towing Tugs, Aircraft Tow Tractor, Refueling Trucks, Food Service Trucks, Baggage Tractors, De-Icing Equipment, Runway Clearing Equipment
Construction	All-Terrain Crane, Rough Terrain Crane, Excavator, Compactor, Wheel Loader, Road Roller, Motor Grader, Articulated Dump Truck, Rubber Tire Road Roller, Backhoe Loaders, Haul Trucks, Scraper Rough Terrain Forklifts, Trenchers, Drills
Forestry	Logging Forwarder, Kidder, Loaders, Yard Forklifts, Harvesters Fellers
Material Handling	Port Tractor, Rail Yard Spotter, Stevedoring Tractor, Trailer Spotter, Yard Jockey, Scissor Lift, Straddle Carrier, Manlift, Forklift, Boom Lift Telebandlers, Aerial Work Platforms
Mining	Specialized Mining, Excavator, Haul Truck, Underground Loader, Service Trucks, Wheel Loaders, Scrapers, Load Haul Dumps, Personnel Transports, Bolters, Scalers
Municipal	Street Sweeper, Utility Tractor, Utility Trucks, Tree Trimmers, Dump Trucks, Tow Trucks, Flat Bed Trucks, Winch Applications
Oil & Gas	Fracturing Trailer, Injecter Heads, Top Drives, Jack/Lift Boats, Wireline Trucks, Load-On / Load-Off
Rail	Railcar Mover, Track Layers, Grinders, Platform Crane, Locomotive Railcars, Ballast Equipment, Winch Applications

WABCO Components[1]	
Air Management	
Air Brake Valves	2/Unl/P
Air Compressors (ALL)2	
Air Dryers (ALL)	
Brake Actuation	
Air/Hydraulic Actuators	2/Unl/P
Master Cylinders	
Remote Actuators	
Slave and Wheel Cylinders	
Two Fluid Actuators	
Brake Locks	
Brake Locks (ALL)	2/Unl/P
Electric Brake Locks	
Lever Locks	
Braking Systems	
ABS (Anti-Lock Braking System) Air	1/100/P&L
ABS (Anti-Lock Braking System) Hydraulic	
Driveline Suspension Control	
Clutch Controls	1/100/P&L
Leveling Valves	
Electrohydraulics & Controls	
Electronic Pedals	2/Unl/P
Electrohydraulic Brake Valves (EBV)	
Pressure Switches	
Hydraulic Braking Solutions	
Accumulator Charging Valves	2/Unl/P
Hydraulic Throttle Controls and Switches	
Modulating Brake Valves	
Wheel End Solutions	
EasyFit™ Slack Adjuster	2/200/P
Caliper Disc Brakes	2/Unl/P
MAXXUS™ Air Disc Brake	1/Unl/P&L
Multiple Disc Brakes	2/Unl/P
IVTM - Wheel Module	6/P
IVTM - All Other Products	2/P
Pan 22, 19 and 17 Air Disc Brake	1/Unl/P&L
TRISTOP™ D Actuator w/ IBV	3/Unl/P
TRISTOP™ D Actuator	2/200/P
UNISTOP™ Actuator	1/100/P

[1] ZF and WABCO branded components. 2 WABCO compressors installed on Cummins engines and DDC engines are not warranted or serviced by ZF. Please contact your respective dealer/distributor of those engines for warranty and servicing. 3 Equivalent hours of service limit: 2,000 hours for all components.

TERMS AND CONDITIONS

COVERAGE EXCLUSIONS

PRODUCT DESCRIPTION

ALL PRODUCTS

This Warranty shall not apply to the following, but not limited to: (1) damage to the product or its component parts caused by incorrect use, installation, maintenance or repair, including without limitation (a) improper fit of mating components or brackets, damaged threads, cut, broken, chafed, pinched or otherwise damaged wiring (sensors, harnesses and connectors), (b) sensors damaged during removal when seized in block, or associated with sensor adjustments/ alignments, and (c) damage resulting from the use or installation of non-genuine WABCO components or materials; (2) damage to the product, its component parts, or diminished product or component part performance due to incorrect operation, deviation from approved conditions or misapplication; (3) any unauthorized disassembly of the product or its component parts including without limitation (a) obliterated, defaced or missing WABCO or WABCO name plate, serial numbers or label identifying the device as a ZF product or WABCO component, (b) changes to sealed adjusting screws, and (c) opening or attempted repair of non-serviceable components; (4) malfunction of the component due to internal contamination of the vehicle system including without limitation (a) water and other contamination damage that is due to the use of a non-genuine air dryer cartridge or (b) valve failures due to contamination in air system, (5) complaints associated with noise, (6) damage resulting from corrosion (including oxidation of electrical devices and connections).

AIR DRYERS

Mounting brackets (see vehicle OEM). Desiccant cartridge housing only.

AIR SYSTEM COMPONENTS

Normal wear items; Gladhand seals, dash valve knobs, valve actuation handles, treadles, pedals.

ABS, ELECTRONIC STABILITY CONTROL (ESC), ROLL STABILITY CONTROL (RSC), OPTIRIDE®, ONGUARD® AND ONLANE®, COLLECTIVELY “ELECTRONICS”

Failure of electronic components due to overvoltage condition, improper grounding, electrostatic discharge (ESD), improper shielding, electromagnetic interference (EMI), or other wiring or installation issues. Malfunctions and failure codes caused by other electronic subsystem failures (data bus, engine, transmission, dashboard, etc.)

HYDRAULIC COMPONENTS

For certain components, brake fluid DOT3 or DOT4 is used as the operating medium. Use of any other fluid will void all warranties associated with that component. For hydraulic braking applications the brake fluid is considered a maintenance item. Maintenance intervals are listed in TB-1367.

COVERAGE LIMITATIONS

PRODUCT DESCRIPTION

ALL PRODUCTS

Any claim beyond 60 days from date of repair will not be accepted or honored under this warranty program.

Products purchased on an incomplete vehicle (glider) are limited to one year, 1/Unl/P.

For vehicles that operate full- or part-time outside of the United States and Canada, a 1-Year/Unlimited Miles parts only (1/Unl/P) will apply.

TOOLBOX PLUS™ DIAGNOSTIC SOFTWARE

Proper diagnostics of WABCO Electronics may require the latest version of TOOLBOX PLUS™. Additional labor due to use of an outdated version of TOOLBOX™ software and/or the time to purchase or install the latest version of TOOLBOX PLUS™ are not covered under product warranty.

TERMS AND CONDITIONS

(1) What is Covered by this Commercial Warranty?
ZF CV Systems North America LLC and its North American subsidiaries and affiliates (ZF) warrant to the owner ("Owner") that the components listed in this publication, which have been installed by an Original Equipment Manufacturer ("OEM") as original equipment will be free from defects in material and workmanship. This warranty coverage begins from the original in-service date to the limits provided and runs concurrently with any warranties provided by OEMs and/or any distribution agreements and/or any service contracts that cover the components listed in this publication, if any. If the components listed in this publication are covered by an OEM warranty and/or service contract, then the OEM's warranty and/ or service contract shall supersede ZF's warranty and Owner shall comply with all OEM's warranty and/or service contract requirements for claims under such OEM's warranty and/or service contract until those agreements expire. Once those agreements expire and provided the ZF warranty has not expired under the terms stated above, the ZF warranty will be in effect until its expiration date.

Warranty coverage ends at the expiration of the applicable time period from the date of vehicle purchase by the first Owner, or, the applicable mileage limitation, whichever occurs first. Duration of coverage varies by component and vocation as detailed previously in this publication. Some components are warranted for parts only and the Owner must pay any labor costs associated with the repair or replacement of the component. Other components are warranted for both parts and reasonable labor to repair or replace the subject component. Additional diagnostic time due to use of an outdated version of TOOLBOX™, time to purchase or install latest version of TOOLBOX™ are the responsibility of the authorized ZF distributor networks and are not covered under product warranty. Components installed as replacements under this warranty are warranted only for the remainder of the original period of time or mileage under the original warranty.

(2) Designation of Vocational Use Required. To obtain warranty coverage, each Owner must notify ZF through the OEM new truck and/or trailer dealer of the intended vocational use of the vehicle into which the WABCO components have been incorporated prior to the vehicle in-service date. This notification may be accomplished by registering the vehicle through your OEM new truck and/or trailer dealer or with ZF directly. Failure to notify ZF of (I) the intended vocational use of the vehicle or (II) a change in vocational use from that which was originally designated, will result in the application of a one year, unlimited mileage, parts only warranty (1/Unl/P) from the initial in-service date. A second Owner and each subsequent Owner must also notify ZF as to the intended vocational use of the vehicle. This notification can be sent directly to ZF or through the OEM new truck and/or trailer dealer. The duration and mileage coverage of this warranty cannot exceed the coverage extended to the first Owner after his or her initial designation of vocational use. Coverage under ZF's warranty requires that the application of products be properly approved pursuant to OEM and ZF, approvals.

(3) What is the Cost of this Warranty? There is no charge to the Owner for this warranty.

(4) What is not Covered by this Warranty? In addition to the items listed on "Coverage Exclusions," this warranty does not cover normal wear and tear, or service items; nor does it cover a component that fails, malfunctions or is damaged as a result of (a) improper handling, storage, installation, adjustment, repair or modification including the use of unauthorized attachments or changes or modification in the vehicle's configuration, usage, or vocation from that which was originally approved by ZF, (b) accident, fire or other casualty, natural disaster, road debris, negligence, misuse, abuse, or improper use (including loading beyond the specified maximum vehicle weight or altering engine power settings to exceed the brake system capacity), or (c) improper or insufficient maintenance (including deviation from maintenance intervals, approved lubricants, or lube levels). This warranty does not cover any component or part that is not sold by ZF.

(5) To obtain service. If the owner discovers within the applicable coverage period a defect in material or workmanship, the Owner must promptly give notice to either ZF or the dealer from which the vehicle was purchased. To obtain service, the vehicle must be taken to any participating OEM dealer or ZF distributor networks' servicer. The dealer or ZF authorized servicer will inspect the vehicle and contact ZF for an evaluation of the claim. When authorized by ZF, the dealer or ZF authorized servicer will repair or replace during the term of this warranty any defective WABCO component covered by this warranty.

(6) Disclaimer of Warranty and Limitation of remedies. TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE LIMITED WARRANTY SET FORTH HEREIN IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR WARRANTY FOR HIDDEN OR LATENT DEFECTS, AND IN NO EVENT WILL ZF OR ANY OF ITS AFFILIATES BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, PROGRESSIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND.

(7) Legal action. Any legal action or claim arising from or related to this Warranty, in contract or otherwise, must be commenced within one year from the accrual of that cause of action, or be barred forever. Any dispute arising in connection with this agreement shall be governed by and construed according to the laws of the State of Michigan and be brought, heard and determined exclusively in either the Circuit Court for the County of Oakland, State of Michigan or the United States District Court for the Eastern District of Michigan. The parties stipulate that the referenced venues are convenient.

(8) Remedy. The exclusive remedy under this warranty shall be the repair or replacement of the defective component at ZF's option. ZF reserves the right to require that all applicable covered components are available and/or returned to ZF for review and evaluation. THE MAXIMUM LIABILITY, IF ANY, OF ZF FOR ALL DAMAGES, INCLUDING WITHOUT LIMITATION CONTRACT DAMAGES, BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORT, IS LIMITED TO AN AMOUNT NOT TO EXCEED THE PURCHASE PRICE OF THE PRODUCT and where indicated in the product and application warranty information above, the inclusion of labor is limited to the standard repair time. THE PARTIES ACKNOWLEDGE AND AGREE THAT THE LIMITATION OF DAMAGES PROVISION SET FORTH IN THIS PARAGRAPH SURVIVES BETWEEN THE ORIGINAL END USER AND ZF EVEN IF THE EXCLUSIVE REMEDY SET FORTH ABOVE IS DEEMED TO FAIL OF ITS ESSENTIAL PURPOSE. ZF may change the design or make improvements to its Products without incurring any warranty obligation for previously manufactured Product .

(9) Entire Agreement. This is the entire agreement between ZF and the Owner about warranty and no, ZF employee, or dealer is authorized to make any additional warranty on behalf of ZF unless in writing and signed by an authorized representative of ZF.

For further product details contact your distributor or the WABCO Customer Care Center at 855-228-3203.

About ZF Friedrichshafen AG

ZF is a global technology company and supplies systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies different kinds of vehicles. With its products, the company contributes to reducing emissions and protecting the climate.

ZF, which acquired WABCO Holdings Inc. on May 29, 2020, now has 160,000 employees worldwide with approximately 260 locations in 41 countries. In 2019, the two then-independent companies achieved sales of €36.5 billion (ZF) and $3.4 billion (WABCO). For more information, visit: **www.wabco-na.com**

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Fire and Rescue Apparatus

Ten (10) Year Structural Integrity
Custom Cab
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The Pierce Custom Cab shall be free from structural failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty applies only to the cab tubular support and mounting structures and other structural components of the cab of the vehicle model, as identified in the Pierce specifications for the Fire and Rescue Apparatus.** **This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0012

Fire and Rescue Apparatus

Ten (10) Year Pro-Rated Paint and Corrosion Cab

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Exterior surfaces of the cab painted by Pierce shall be free from blistering, peeling, corrosion or any other adhesion defect caused by defective manufacturing methods or paint material selection.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty is applicable to the vehicle in the following percentage costs of warranty repair, if any:** **Topcoat Durability & Appearance: Gloss, Color Retention & Cracking** **0-72 months 100%** **73-96 months 50%** **97-120 months 25%** **Integrity of Coating System: Adhesion, Blistering/Bubbling** **0-36 months 100%** **37-84 months 50%** **85-120 months 25%** **Corrosion: Dissimilar Metal and Crevice** **0-36 months 100%** **37-48 months 50%** **49-72 months 25%** **73-120 months 10%** **Corrosion Perforation** **0-120 months 100%** **This limited warranty applies only to exterior paint. Paint on the vehicle's interior is warranted only under the Pierce Basic One Year Limited Warranty.** **Items not covered by this warranty include:** **(a) Damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).** **(b) UV paint fade.** **(c) Any cab not manufactured by Pierce.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0055

Fire and Rescue Apparatus

Five (5) Year Material and Workmanship
Command Zone Electronics
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Command Zone control modules shall be free from failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Five (5) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty applies to all of the control modules for the Command Zone system, including the full color graphic displays. Related wire harnesses, cables and connectors are not covered under this limited warranty and are instead covered under the Pierce One Year Basic Apparatus Limited Warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0014

Fire and Rescue Apparatus

54 Months Material and Workmanship

Camera System

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**This limited warranty covers repairs to correct any defect related to materials or workmanship of the Sharpvision camera system installed on the apparatus occuring during the warranty period.**
Warranty Begins:	**The date of delivery.**
Warranty Period Ends After:	**Fifty - Four (54) months**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty does not apply to related wire harnesses, cables, and connectors, which are covered by the Pierce one (1) year basic apparatus limited warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

1/11/2011 WA0188

Ten (10) Year Material and Workmanship
Pierce 12V LED Strip Light
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**This limited warranty covers repairs to correct any defect related to materials or workmanship of the Pierce 12V LED strip lights installed on the apparatus occuring during the warranty period.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Year**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty does not apply to related wire harnesses, cables, and connectors, which are covered by the Pierce one (1) year basic apparatus limited warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

NEW PRODUCT WARRANTY

PARTICIPATING OEM SALES
DISTRIBUTOR SALES

LIMITED WARRANTY ON NEW ALLISON AUTOMATIC TRANSMISSIONS USED IN EMERGENCY VEHICLE APPLICATIONS

Allison Transmission will provide for repairs or replacement, at its option, during the warranty period of each new Allison transmission listed below that is installed in an Emergency Vehicle in accordance with the following terms, conditions, and limitations.

WHAT IS COVERED

- **WARRANTY APPLIES —** This warranty is for new Allison transmission models listed below installed in an Emergency Vehicle and is provided to the original and any subsequent owner(s) of the vehicle during the warranty period.
- **REPAIRS COVERED —** The warranty covers repairs or replacement, at Allison Transmission's option, to correct any transmission malfunction resulting from defects in material or workmanship occurring during the warranty period. Needed repairs or replacements will be performed using the method Allison Transmission determines most appropriate under the circumstances.
- **TOWING —** Towing is covered to the nearest Allison Transmission Distributor or authorized Dealer only when necessary to prevent further damage to your transmission.
- **PAYMENT TERMS —** Warranty repairs, including parts and labor, will be covered per the schedule shown in the chart contained in section "APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE."
- **OBTAINING REPAIRS —** To obtain warranty repairs, take the vehicle to any Allison Transmission Distributor or authorized Dealer within a reasonable amount of time and request the needed repairs. A reasonable amount of time must be allowed for the Distributor or Dealer to perform necessary repairs.
- **TRANSMISSION REMOVAL AND REINSTALLATION —** Labor costs for the removal and re-installation of the transmission, when necessary to make a warranty repair, are covered by this warranty.
- **WARRANTY PERIOD —** The warranty period for all coverages shall begin on the date the transmission is delivered to the first retail purchaser, with the following exception:

  Demonstration Service - A transmission in a new truck or bus may be demonstrated to a total of 5000 miles (8000 kilometers). If the vehicle is within this limit when sold to a retail purchaser, the warranty start date is the date of purchase. Normal warranty services are applicable to the demonstrating Dealer. Should the truck or bus be sold to a retail purchaser after these limits are reached, the warranty period will begin on the date the vehicle was first placed in demonstration service and the purchaser will be entitled to the remaining warranty.

APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE

APPLICABLE MODELS	WARRANTY LIMITATIONS (Whichever occurs first)		ADJUSTMENT CHARGE TO BE PAID BY THE CUSTOMER	
	Months	Transmission Miles Or Kilometers	Parts	Labor
MT, MD 3000, 3200, 3500, 3700	0–24	No Limit	No Charge	No Charge
HT with Hydraulic Controls	0–24	No Limit	No Charge	No Charge
AT, 1000 Series™, 2000 Series™, 2400 Series™	0–36	No Limit	No Charge	No Charge
HT with Electronic Controls	0–60	No Limit	No Charge	No Charge
HD 1000 EVS, 2100 EVS, 2200 EVS 2350 EVS, 2500 EVS, 2550 EVS, 3000 EVS, 3500 EVS, 4000, 4000 EVS, 4500, 4500 EVS, 4700, 4700 EVS, 4800, 4800 EVS	0–60	No Limit	No Charge	No Charge

WHAT IS NOT COVERED

- **DAMAGE DUE TO ACCIDENT, MISUSE, or ALTERATION —** Defects and damage caused as the result of any of the following are not covered:
  - — Flood, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle;
  - — Misuse of the vehicle;
  - — Installation into unapproved applications and installations;
  - — Alterations or modification of the transmission or the vehicle, and
  - — Damage resulting from improper storage (refer to long-term storage procedure outlined in the applicable Allison Service Manual)
  - — Anything other than defects in Allison Transmission material or workmanship

  NOTE: This warranty is void on transmissions used in vehicles currently or previously titled as salvaged, scrapped, junked, or totaled.
- **CHASSIS, BODY, and COMPONENTS —** The chassis and body company (assemblers) and other component and equipment manufacturers are solely responsible for warranties on the chassis, body, component(s), and equipment they provide. Any transmission repair caused by an alteration(s) made to the Allison transmission or the vehicle which allows the transmission to be installed or operated outside of the limits defined in the appropriate Allison Installation Guideline is solely the responsibility of the entity making the alteration(s).
- **DAMAGE CAUSED by LACK of MAINTENANCE or by the USE of TRANSMISSION FLUIDS NOT RECOMMENDED in the OPERATOR'S MANUAL —** Defects and damage caused by any of the following are not covered:
  - — Failure to follow the recommendations of the maintenance schedule intervals applicable to the transmission;
  - — Failure to use transmission fluids or maintain transmission fluid levels recommended in the Operator's Manual.
- **MAINTENANCE —** Normal maintenance (such as replacement of filters, screens, and transmission fluid) is not covered and is the owner's responsibility.
- **REPAIRS by UNAUTHORIZED DEALERS —** Defects and damage caused by a service outlet that is not an authorized Allison Transmission Distributor or Dealer are not covered.
- **USE of OTHER THAN GENUINE ALLISON TRANSMISSION PARTS —** Defects and damage caused by the use of parts that are not genuine Allison Transmission parts are not covered.
- **EXTRA EXPENSES —** Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of vehicle use; inconvenience; storage; payment for loss of time or pay; vehicle rental expense; lodging; meals; or other travel costs.
- **"DENIED PARTY" OWNERSHIP —** Warranty repair parts and labor costs are not reimbursed to any participating or non-participating OEMs, dealers or distributors who perform warranty work for, or on behalf of, end users identified by the United States as being a "denied party" or who are citizens of sanctioned or embargoed countries as defined by the U.S. Department of Treasury Office of Foreign Assets Control. Furthermore, warranty reimbursements are not guaranteed if the reimbursement would be contrary to any United States export control laws or regulations as defined by the U.S. Department of Commerce, the U.S. Department of State, or the U.S. Department of Treasury.

OTHER TERMS APPLICABLE TO CONSUMERS AS DEFINED by the MAGNUSON-MOSS WARRANTY ACT

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Allison Transmission does not authorize any person to create for it any other obligation or liability in connection with these transmissions. **ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THESE TRANSMISSIONS IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, LOST WAGES OR VEHICLE RENTAL EXPENSES) RESULTING FROM BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.****

** Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OTHER TERMS APPLICABLE TO OTHER END-USERS

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE ALLISON TRANSMISSION MODELS LISTED ABOVE AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLISON TRANSMISSION DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH TRANSMISSIONS. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY.

QUESTIONS

If you have any questions regarding this warranty or the performance of warranty obligations, you may contact any Allison Transmission Distributor or Dealer or write to:

Allison Transmission, Inc.
P.O. Box 894
Indianapolis, IN 46206-0894
Attention: Warranty Administration PF-9

Form SE0616EN (201009)

Five (5) Year Material and Workmanship - Transmission Oil Cooler
Three (3) Year Collateral Damage Coverage

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The transmission cooler shall be free from component or structural failures caused by defects in material and/or workmanship. Collateral damage up to $10,000 per occurrence is available for the first three (3) years.**
Warranty Begins:	**The date of delivery to the first retail purchaser.**
Warranty Period Ends After:	**Five (5) Years on Oil Cooler and three (3) years on collateral damage coverage**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty does not cover repair due to accidents, misuse, and excessive vibration, flying debris, storage damage (freezing), negligence or modification. This warranty is void if any modification or repairs are performed without authorization. This also voids any future warranty.** **This warranty does not cover cost of maintenance or repairs due to lack of required maintenance services as recommended. Performance of the required maintenance and use of proper fluids are the responsibility of the owner.** **Towing is covered to the nearest distributor or authorized dealer only when necessary to prevent further damage to your transmission.** **Labor costs for the removal and reinstallation of goods may be covered when necessary to make repairs. Please contact your OEM for authorization.** **Replacement of cooler during the warranty period is limited to 100% of reasonable labor costs up to a maximum of $700 to remove, replace, or repair the oil cooler.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/22/2012 WA0216

UNITED PLASTIC FABRICATING

Limited Lifetime Warranty

Effective as of January 1, 2024

1. General. United Plastic Fabricating, Inc. (the "Company") warrants to the owner (the "Owner") that the products set forth on Exhibit A, attached hereto (the "Product") will be reasonably free from defects in materials and workmanship for the service life of the Product. This Limited Lifetime Warranty (the "Warranty") only applies to Company Products that are: (a) owned by a federal, state, county or local government, a volunteer fire department or dedicated commercial fire service operation; (b) continuously and actively used in emergency response and/or fire suppression vehicles; and (c) used, stored, handled and installed in the manner recommended by Company.

2. Warranty Obligations. Subject to the exclusions and limitations set forth in this Warranty, Company will, at its option, repair or offer a one (1) time replacement of the Product without charge, if the Product fails or does not perform as warranted during the warranty period due to a manufacturing defect or a defect in materials. Repair or replacement shall include reasonable labor charges necessary to repair or replace the defective Product but shall not include: (a) the costs associated with removal of the Product from the vehicle or the cost to otherwise provide access to the Product in the vehicle; (b) the cost associated with any required upgrades the vehicle (including, without limitation, upgrades required to strengthen the vehicle's frame); or (c) travel costs, except as provided by Section 3. Company's obligation as to repair or replacement shall further be limited to repair or replacement with the models of the Product that are available at the time of the repair or replacement, and shall be limited to the repair or replacement of only the specific Product that fails due to a manufacturing defect. In the event a Product becomes unavailable or cannot be supplied by Company for any reason a substitute Product of equal quality and functionality of the subject Product may be substituted by Company. Any repaired Product shall remain subject to this Warranty and any repair shall not extend the warranty period in any manner or start a new warranty period. Any Product that is replaced by Company shall be excluded from this Warranty. In no event shall Company be required to expend, in any one (1) or series of expenditures, more than the purchase price of the Product to repair or replace a defective Product. Amounts expended by Company shall include all amounts paid by Company in connection the repair or replacement, including without limitation, amounts paid to third-parties, material costs, incidental costs and travel costs (except as provided by Section 3).

3. Travel; Expenses; Product Access. Company shall be responsible for any travel costs incurred to repair or replace the Product provided that: (a) the Product is located in the continental United States or Canada; and (ii) the warranty claim is initiated prior to the date on which NFPA 1912 Standards (Annex D) recommends replacement of the Product. All other travel costs incurred by Company or its agents to repair or replace the Product shall be the responsibility of the party asserting the warranty claim. Company reserves the right to require, as a condition to undertaking any repair or replacement: (y) pre-payment of its anticipated travel costs; and (z) satisfactory arraignments concerning scheduling and access to the Product. If the subject Product is located in an area of the world considered, in Company's sole discretion, to be unsafe Company may refuse to process the claim or require relocation of the Product, at no expense to Company, to an area where such repairs can be performed safely by Company or its agents. In the event Company or Company's agents are dispatched to repair or replace a defective Product and the vehicle in which the Product has been installed is not available or the Product is not readily accessible, for any reason, Company or Company's agents, as the case may be, shall be immediately reimbursed for all expenses incurred therewith.

4. Exclusions: Products must be stored, handled, installed, used and maintained in accordance with instructions provided by Company, and this Warranty is conditioned upon compliance with all such instructions. This Warranty does not cover defects caused by: (a) improper installation; (b) modification, alteration or repair of the Product by any unauthorized third-party; (c) misuse, including, without limitation, improper

storage or handling of the Product (e.g. excessive exposure to UV rays); chemical abuse (e.g. harsh cleansers and solvents), thermal abuse or shock (e.g. excessive heat or cold); (d) damage not resulting from manufacturing defects that occur while the Product is not in Company's possession (e.g. accidents); or (e) unreasonable or unintended use of the Product. Copies of the Company's operation and maintenance instructions are available on the Company's website https://www.unitedplastic.com/upf-documents/

5. Disclaimer. THE WARRANTIES SET FORTH HEREIN ARE THE ONLY WARRANTIES MADE BY COMPANY IN CONNECTION WITH THE PRODUCT. COMPANY CAN NOT AND DOES NOT MAKE ANY IMPLIED OR EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, AND DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PRODUCTS SOLD BY COMPANY ARE SOLD ONLY TO THE SPECIFICATIONS SPECIFICALLY SET FORTH BY COMPANY IN WRITING. OTHER THAN THE LIMITED WARRANTY SET FORTH HEREIN, COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE REPAIR OR REPLACEMENT OF NON-CONFORMING PRODUCT. BUYER ASSUMES ALL RISK WHATSOEVER AS TO THE RESULT OF THE USE OF THE PRODUCT PURCHASED, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCTS OR SUBSTANCES.

6. Limitation of Liability. NO CLAIM BY OWNER OF ANY KIND, INCLUDING CLAIMS FOR INDEMNIFICATION, SHALL BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL COMPANY BE LIABLE TO OWNER IN TORT, CONTRACT OR OTHERWISE, FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, ANY OBLIGATION OF COMPANY TO REPAIR OR REPLACE ANY CHASSIS, SUB-FRAMES, BODIES, VALVES, DUMPS, HOSES, PRESSURE VACUUM VENTS OR OTHER SIMILAR COMPONENTS), RELIANCE, STATUTORY, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOSS OF USE, LOSS OF TIME, LOSS OF REVENUES, INCONVENIENCE, LOSS BUSINESS OPPORTUNITIES, OR DAMAGE TO GOOD WILL OR REPUTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR SUCH DAMAGES COULD HAVE BEEN REASONABLY FORESEEN, IN CONNECTION WITH, ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS SOLD HEREUNDER, OR FOR ANY LIABILITY OF BUYER TO ANY THIRD PARTY WITH RESPECT THERETO.

7. Reformation. If any term or provision of this Warranty shall be held or deemed to be, or shall in fact be, invalid, inoperative, illegal or unenforceable as applied in any case or in any jurisdiction or jurisdictions because of the conflicting nature of any provision with any constitution or statute or rule of public policy or for any other reason, then: (a) such circumstance shall not have the effect of rendering the provision or provisions in question invalid, inoperative, illegal or unenforceable in any other jurisdiction or in any other case or circumstance or of rendering any other provision or provisions herein contained invalid, inoperative, illegal or unenforceable to the extent that such other provisions are not themselves actually in conflict with such constitution, statute or rule of public policy; and (b) any such invalid, inoperative, illegal or unenforceable provision shall be reformed and construed in any such jurisdiction or case so that such provision would be valid, operative and enforceable to the maximum extent permitted in such jurisdiction or case.

8. Headings. The headings contained herein are for convenience and reference only, and shall be given no effect in the interpretation of any term or condition of this Warranty.

9. Submitting a Warranty Claim. To request coverage under this Warranty you must submit a claim through Company's_website:
https://www.unitedplastic.com/contact/product-support/

10. Transferability. This Warranty is transferable and entitles the transferee to coverage for the remainder of the original warranty period.

11. Modification. This Warranty may be modified (a) as set forth on a binding sales order for the Product or (b) by a written agreement between Company and the Owner.

Exhibit A

Covered Product List

- Poly-Tanks®
- PolySide® Wetside Tanks
- Defender™ Skid Tanks
- Ellip-T™ Elliptical Tanks
- ARFF Tanks

Fire and Rescue Apparatus

Ten (10) Year Structural Integrity
Apparatus Body
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The apparatus body shall be free from structural failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty applies only to the body tubular support and mounting structures and other structural components of the body of the vehicle model, as identified in the Pierce specifications for the Fire and Rescue Apparatus.** **This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0009

AMDOR Inc. TERMS OF BUSINESS AND GENERAL INFORMATION

Warranty:

All AMDOR Inc. roll-up door products are warranted for a period of 10 years from the date of delivery (with the exception of wet paint adhesion - please see below). AMDOR Inc. liability covers the replacement or repair of any component that fails due to defects in material and / or workmanship during the coverage period. We accept no liability for claims made for damages to any part (or parts) of a vehicle and / or machine (of any type) or injury claims by a person or persons assumed or alleged to have been brought about by the use or misuse of any product supplied by AMDOR Inc. Warranty coverage does not extend to door attachments including (but not limited to) decals, emblems, stripes and adhesives.

In order to initiate the claims process please contact your authorized representative of AMDOR Inc. Warranty claims must be accompanied by a written description providing full and reasonable details as to the nature of the defect. Upon receipt of your claim arrangements will be made to inspect the defective product (if necessary). Justified warranty claims will be repaired, exchanged, or credited to the customer's account at AMDOR Inc.'s discretion. All warranty claims must be approved in writing by the Customer Service Manager for AMDOR Inc. There are no exceptions to this clause.

Limited warranty coverage includes the labor associated with the disassembly and assembly of products deemed to be defective by AMDOR Inc. Labor allowances are based on a set time schedule as determined by AMDOR Inc. The maximum allowable hourly labor rate is $ 50. All warranty labor claims must be approved in writing by an authorized representative of AMDOR Inc. prior to commencement of work. Allowances for removal and installation:

Curtain replacement:	3/4 hour
Balancer replacement:	1 hour
Door ajar switch	3/4 hour
Bottom Panel Assembly:	1/2 hour
Slat replacement:	3/4 hour
Door removal and replacement	1 1/2 hours

Items authorized for return must be accompanied by a Return Goods Authorization (RGA) number. We will accept collect shipments of items deemed to be defective provided that they are returned via the most economical carrier. Should items be

returned by means other than the most economical carrier the difference will be charged back to the sender.

AMDOR Inc. reserves the right to reject any claim when a product has been opened, interfered with or modified. Claims may also be rejected when damage to the product (or any sub-assembly) has been brought about by accident, misuse, abuse, vandalism, incorrect installation, temperature extremes, chemical exposure or any factor other than regular operating conditions.

Limited Wet Paint Match Adhesion Warranty

AMDOR Inc. warrants wet paint finishes applied by AMDOR utilizing our approved factory paint specification. All wet paint match colors must be approved in writing by an authorized OEM representative. AMDOR Inc. will provide a color spray out for this purpose. The time required for shipping and consideration of initial color spray outs will be considered over and above stated lead times. Warranty coverage will extend for a period of not less than 5 years from the date of delivery as determined by AMDOR Inc.'s Packing Slip. AMDOR reserves the right to determine whether individual units will be replaced and / or repaired by an AMDOR approved vendor. An allowance will be made for labor associated with the disassembly and assembly of individual units at the prescribed hourly rate of $ 50 per hour. Compensation for labor will not exceed the maximum time allowance permitted for door removal and replacement. Written approval including specified allowance for time must be obtained from AMDOR prior to initiating work. Warranty coverage will extend to the following visible paint system defects:

1./ Loss of mechanical adhesion as evidenced by peeling, cracking or blistering which exposes the substrate material.

2./ Corrosion of the substrate due to paint system failure.

3./ Fading which results in a substantial departure from the primary AMDOR approved body color.

Wet paint adhesion limited warranty coverage will be excluded when damages to the system are determined by AMDOR Inc. to be a result of the following:

1./ Damage caused through the use of attachments including (but not limited to) decals, labels, adhesives, non factory approved coatings.

2./ Loss of gloss, discoloration or damage due to improper maintenance (including but not limited to) mechanical wash systems, pressure washers, steam cleaners, non approved wash or polishing agents.

3./ Abuse, acts of nature, excessive heat / cold, chemical exposure, vandalism and / or accidents.

4./ Scratches, chips, abrasions, or dents from any source.

This document supercedes all previous written and / or verbal warranties provided by AMDOR Inc. and / or it's affiliates.

Fire and Rescue Apparatus

Six (6) Year Material and Workmanship

PUC Pump

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The PUC Pump and its components manufactured under the Pierce brand in its Fire and Rescue Apparatus vehicle shall be free from failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Six (6) Years - or - 3000 Pump Hours**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty applies to the PUC Pump and all its components manufactured under the Pierce brand. Items not manufactured under the Pierce brand such as valves, relief valves or wear items such as wear rings, seals, bearings or costs of removal, transporting, storing, or reinstallation are not covered by this six-year limited warranty and are instead covered under the Pierce Basic One Year Limited Warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0039

Ten (10) Year Material and Workmanship
Stainless Steel Piping
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Stainless steel piping shall be free from structural failures caused by defects in material and workmanship, or perforation caused by corrosion.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**Pierce's obligation under this warranty is limited to repairing or replacing without charge, as Pierce may elect, the stainless steel piping or components which Pierce determines to have failed due to defective material and workmanship, or perforation caused by corrosion.** **This warranty does not cover the use of fluoroprotein (FP) type foam. The sodium chloride within FP foam can cause long-term damage to system components if not thoroughly flushed immediately after use.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

3/22/2012 WA0035

One (1) Year Material and Workmanship Foam System & Five (5) Year Material and Workmanship Control Head

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Limited warranty 1 year parts and labor for for the foam system and 5 years parts and labor for the control head.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**One (1) Year & Five (5) Year**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty does not cover repair due to accidents, misuse, and excessive vibration, flying debris, storage damage (freezing), negligence or modification. This warranty is void if any modification or repairs are performed without authorization. This also voids any future warranty.** **This warranty does not cover cost of maintenance or repairs due to lack of required maintenance services as recommended. Performance of the required maintenance and use of proper fluids are the responsibility of the owner.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

1/30/2013 WA0231

Fire and Rescue Apparatus

Ten (10) Year Pro-Rated Paint and Corrosion Custom Body

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Exterior surfaces of the body shall be free from blistering, peeling, corrosion or any other adhesion defect caused by defective manufacturing methods or paint material selection.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty is applicable to the vehicle in the following percentage costs of warranty repair, if any:** **Topcoat Durability & Appearance: Gloss, Color Retention & Cracking** **0-72 months 100%** **73-96 months 50%** **97-120 months 25%** **Integrity of Coating System: Adhesion, Blistering/Bubbling** **0-36 months 100%** **37-84 months 50%** **85-120 months 25%** **Corrosion: Dissimilar Metal and Crevice** **0-36 months 100%** **37-48 months 50%** **49-72 months 25%** **73-120 months 10%** **Corrosion Perforation** **0-120 months 100%** **This limited warranty applies only to exterior paint. Paint on the vehicle's interior is warranted only under the Pierce Basic One Year Limited Warranty.** **Items not covered by this warranty include:** **(a) Damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).** **(b) UV paint fade.** **(c) Any cab not manufactured by Pierce.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0057

Fire and Rescue Apparatus

Three (3) Year Material and Workmanship
Goldstar® Gold Leaf Lamination
Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Each Goldstar® gold leaf lamination shall be free from defects in material and workmanship.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Three (3) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty does not cover damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/22/2010 WA0018

5 DEALER SUPPLIED PRODUCTS AND/OR SERVICES

Exhibit "D"

DEALER SUPPLIED EQUIPMENT and/or SERVICES

The following items and/or services will be provided by Golden State Fire Apparatus Inc. (GSFA) prior to final delivery:

LICENSED MANUFACTURER

The State of California Vehicle Code, section 11701 requires "every manufacturer of a vehicle subject to registration shall make application to the Department of Motor Vehicles (DMV) for a license containing a general distinguishing number". The manufacturer has a current license at time of proposal and shall provide a copy upon request. Temporary licenses are not acceptable.

LICENSED DEALERSHIP

The State of California Vehicle Code, section 11701 requires a "dealer in vehicles of a type subject to registration, shall make application to the Department of Motor Vehicles (DMV) for a license containing a general distinguishing number". Golden State Fire Apparatus, Inc. has a current license at time of bid as outlined above and is available upon request. Temporary licenses are not acceptable.

LICENSED SALES REPRESENTATIVE

The State of California Vehicle Code, section 11800 requires that it shall be "unlawful for any person to function as a vehicle salesperson without having first procured a license issued by the Department of Motor Vehicles (DMV)". The representative has a current vehicle salespersons license at time of proposal and shall provide a copy upon request. Temporary licenses are not acceptable.

VEHICLE REGISTRATION

The State of California Vehicle Code section 11739 requires that the "dealer of a new motor vehicle sale is responsible for applying for the title, securing vehicle registration, and obtaining license plates for the Customer" through the Department of Motor Vehicles (DMV). Golden State Fire Apparatus, Inc. is a factory-authorized dealer of the vehicle being sold and is authorized to register with the State of California as a new vehicle manufacturer.

GSFA will make all necessary applications and complete all transfer papers, including applying for California Exempt "E" license plates.

WEEKLY PROGRESS PHOTOGRAPHS

GSFA will provide weekly photographs of the apparatus or the major components as they are being constructed. The photographs will commence at the start of the manufacturing process and will continue through production by the manufacturer. The reports will show the progress of the apparatus through the course of each week. Special attention will be given to show the unique features and aspects of the apparatus as construction progresses.

FACTORY INSPECTION TRIPS:

PRE-CONSTRUCTION, FACTORY TRIP

A pre-construction trip to the manufacturing facility will be provided for four (4) Customer representative(s). The intent of this trip is to review and finalize, in detail, the specifications prior to the start of production. The pre-construction trip will have a duration of four (4) days and three (3) nights and be scheduled at times mutually agreed upon between Golden State Fire Apparatus (GSFA). and the Customer. Costs for airfare, lodging, meals and ground transportation while at the manufacturers location will be the responsibility of GSFA. Air travel will be from one of the following airports: Sacramento, San Francisco or San Jose.

Costs such as Customer ground transportation in California, Customer airport parking, Customer luggage fees and Customer incidentals while traveling to the factory will be the responsibility of the Customer. Flight reservations are non-refundable and in the event of a cancellation after booking, the Customer will be responsible for all costs associated with this cancellation, which may include not only the original ticket cost but also any change or cancellation fees imposed by the airline and/ or travel agency. Flight reservations are also non-transferable.

FINAL INSPECTION FACTORY TRIP

A final inspection trip to the manufacturing facility will be provided for four (4) Customer representative(s). The intent of this trip is to ensure that the apparatus is built to specification and to detect any deficiencies that require correction. The final inspection trip will have a duration of four (4) days and three (3) nights and be scheduled at times mutually agreed upon between Golden State Fire Apparatus (GSFA). and the Customer. Costs for airfare, lodging, meals and ground transportation while at the manufacturers location will be the responsibility of GSFA. Air travel will be from one of the following airports: Sacramento, San Francisco or San Jose.

Costs such as Customer ground transportation in California, Customer airport parking, Customer luggage fees and Customer incidentals while traveling to the factory will be the responsibility of the Customer. Flight reservations are non-refundable and in the event of a cancellation after booking, the Customer will be responsible for all costs associated with this cancellation, which may include not only the original ticket cost but also any change or cancellation fees imposed by the airline and/ or travel agency. Flight reservations are also non-transferable.

DELIVERY TO AUTHORIZED SERVICE FACILITY

GSFA will, at their expense, deliver the apparatus (including any applicable equipment, spare parts, and supplies) to their Northern California facility in Sacramento for a dealer preparation inspection.

To ensure proper break in of all components while still under warranty, the apparatus shall be delivered under its own power - rail or truck freight shall not be acceptable.

PRE-DELIVERY SERVICE

After transportation from the factory and prior to delivery, the apparatus will receive a pre-delivery service to confirm proper operation and correction of any issues found as a result of said inspection. The Golden State Fire Apparatus, Inc. pre-delivery service consists of the following:

- Engine Compartment and Undercarriage – Check for any broken mounting brackets and inspect for correct capacities of the following (if applicable): engine oil, coolant, power steering fluid, washer reservoir fluid, transmission fluid, rear end fluid, pump transmission oil, and primer oil.

- Interior – Operate all doors, windows, and locks for proper adjustment. Check upholstery.

- Exterior – Repair reasonable paint scratches or chips. Tighten any loose hardware and inspect tires and wheels for proper pressure and lug torquing.

- Road Test – With the water tank (if applicable) full, the apparatus will be driven approximately twenty miles which allows the drive train components to get up to operating temperature. Road test will be on both city and highway roads. A DOT compliant brake test will be conducted to ensure the system is holding air. The brake condition and wheel seals will also be inspected.

- Electrical - Operate all lights, sirens, and other electrical accessories to verify operation.

- Pump - If applicable, vacuum test the pump to hold for 15 minutes. After vacuum test, operate the relief valve, transfer valve and check pump shift. Check water tank for leaks and inspect water level gauge for calibration. With discharge caps loose, rapid test all individual gauges and main gauges for calibration. Lubricate valve rods.

- Foam System – If applicable, tighten caps and connect foam lines. Test selector, valves, metering valve and operation of foam system (including flush).

- Fuel Tank - Fuel tank will be filled at the dealership location prior to final delivery.

- DEF Tank - DEF tank will be filled at the dealership location prior to final delivery.

- Wash - The apparatus will be thoroughly washed at the dealership location prior to final delivery.

FINAL DELIVERY (CUSTOMER LOCATION)

GSFA will, at their expense, deliver the Product (including any applicable equipment, spare parts, and supplies) to the Customer specified address once completed. Prior to delivery of the Product, Customer agrees to provide proof of liability and physical damage insurance to GSFA. GSFA will not release the Product to the Customer until such proof of insurance is provided.

It is the responsibility of the Customer to have any outstanding balance due, paid in full to GSFA, prior to or at the time that the Product is complete and ready to deliver. If payment is late or delivery is delayed pending payment, a daily finance charge of $150.00 and a daily storage fee of $50.00 may apply until such payment is received.

Due to insurance liability, the Product will not be delivered without full acceptance and full payment (or prior written agreement between the Customer and GSFA).

DEALER PROVIDED LOOSE EQUIPMENT

Prior to final delivery of the specified vehicle to the customer location, the following items will be provided by the dealer:

- Two (2) lengths – 6.00" x 10' w 6.00" NST rocker lug couplings hard suction hose
- One (1) barrel strainer w 6.00" NST coupling

- Installation by Golden State EVS contract radio technician, the following customer provided equipment:
  - Twos (2) two way radios, each with one (1) remote head (total of two)
  - Two (2) two way radio remote head cables
  - NOTE: Above customer provided equipment will be mounted per customer direction

END OF EXHIBIT "D"

COMMENTS AND REPORTS

CLOSED SESSION