



PUBLIC SAFETY COMMITTEE MEETING
Tuesday, NOVEMBER 18, 2025 at 4:00 P.M.
City Hall Large Conference Room
425 N. Richardson Ave., Roswell, New Mexico 88201

Chair: Julianna Halvorson, Ward 2
Vice Chair: Carlos Marrujo Jr., Ward 5
Members: Angela Moore, Ward 5
Will Cavin, Ward 2
Cristina Arnold, Ward 1
Staff Liaison: Mike Mathews

CALL TO ORDER

ROLL CALL

APPROVAL OF AGENDA

APPROVAL OF MINUTES

1. Consider approval of the minutes from the October 14, 2025 Public Safety Committee Meeting. Pg. 3

REGULAR ITEMS

2. The Public Safety Committee is asked to consider and refer to the Finance Committee and recommend a budget adjustment of \$1.8 million of Opioid Fund's money to be appropriated for expenditure by the City consistent with the following scope and for any real property, fixtures, and personal property necessary or related to accomplishing the goals and scope. Pg. 7
3. The Resolution shall require the removal or demolition of two (2) dilapidated structures. Pg. 8
4. Consider recommending approval of the City of Roswell Police Department to enter into a five-year lease beginning December 1, 2025, and ending November 30, 2030, for building No. 500 at the Roswell Air Center. Pg. 14
5. Consider recommending authorization for approval to issue a purchase order in the amount of \$265,988.60 for the purchase of one Brush Truck from 411 Equipment, LLC. This procurement will be made through CES Contract #2024-25-C115-ALL. Pg. 38
6. Consider recommending approval of a budget adjustment to establish the full FY25 EMS operating and personnel budget. Pg. 40
7. Consider recommending approval of a budget adjustment and authorization for the purchase of a Class A HME Pumper for the Roswell Fire Department. This procurement will be made through Sourcewell #113021-CSM Pg. 44

NON-ACTION ITEMS

MONTHLY DEPARTMENT REPORTS

8. Emergency Management Pg. 158
9. Roswell Animal Services Pg. 160
10. Community Development Pg. 177
11. Consolidated Dispatch Monthly Report October Pg. 181
12. AMR monthly report Pg. 184

13. RPD monthly report Pg. 189
14. Roswell Fire Department Pg. 210

PUBLIC PARTICIPATION

ADJOURN

Notice of this meeting has been given to the public in compliance with Sections 10-15-1 through 10-15-4 NMSA 1975 and Resolution 25-28.

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact Human Resources at 575-624-6700 at least one week prior to the meeting or as soon as possible. Public documents including the agenda and minutes can be provided in various accessible formats. Please contact the City Clerk at 575-624-6700 if a summary of other type of accessible format is needed.

Printed and posted: **November 14, 2025**

Please join my meeting from your computer, tablet or smartphone.
<http://global.gotomeeting.com/join/194381933>

You can also dial in using your phone.
United States: +1 (571) 317-3112
Access Code: 194-381-933

New to GoToMeeting? Get the app now and be ready when your first meeting starts:
<https://global.gotomeeting/install/194381933>

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

ACTION REQUESTED:

Consider approval of the minutes from the October 14,2025 Public Safety Committee Meeting.

Attachments

Minutes

Public Safety Committee Meeting
Held at City Hall Large Conference Room,
Tuesday, October 14, 2025 at 4:00 p.m.

Notice of this meeting was given to the public in compliance with Section 10-15-4, NMSA 1978, and Resolution 25-28

The meeting convened at 4:00 p.m. with Councilor Carlos Marrujo presiding and present, Councilor Juliana Halvorson – Present at 4:05 pm, Councilor Cristina Arnold - Present, Councilor Angela Moore – Present on line, however was unable to receive audio to hear her votes during meeting, Councilor Will Cavin – Present.

Mr. Mathews reported to the Chair that we do have a quorum.

Staff present: Mike Mathews, Deputy City Manager; Steve Chaves, Fire Chief; Amalia Martinez, City Clerk; Angela Garcia, Deputy Clerk; KP Prescott, American Medical Response; Karen Sanders, Emergency Management; Lance Bateman, Police Chief; Toby Franco, Community Enhancement, Derek Washichek, Deputy Fire Chief; Shantel Mairot, Animal Control; Alison Herring, PVRCC; Randy Bunch, RFD; Jared Olive, RFD, Mike Taylor, RPD; Albert Aldona, RPD

Guests: Amber Chidez, Julius Smith, Rita Kane-Doerhoefer.

APPROVAL OF AGENDA

Councilor Cavin moved to approve the agenda; Councilor Arnold was the second. A voice vote was as follows: Councilor Halvorson – Absent, Councilor Marrujo – yes, Councilor Arnold – yes, Councilor Moore -Unable to receive vote, Councilor Cavin-yes. The motion passed 3-0 with Councilor Halvorson being absent and Councilor Moore unable to transmit vote.

APPROVAL OF MINUTES

1. Councilor Arnold moved to approve the minutes from the August 19, 2025, Public Safety Committee Meeting. Councilor Cavin was the second. A voice vote was as follows: Councilor Halvorson-absent, Councilor Marrujo-yes, Councilor Arnold-yes, Councilor Moore – Unable to receive vote, Councilor Cavin-yes, the motion passed 3 -0 with Councilors Halvorson being absent and Councilor Moore unable to transmit vote.

REGULAR ITEMS

2. Mr. Franco presented Resolution 25-XX requiring the removal or demolition of Two (2) dilapidated structures. Councilor Cavin moved to approve and send to Legal Committee and place on consent agenda. Councilor Arnold was the second. A voice vote was as follows: Councilor Halvorson-absent, Councilor Marrujo-yes, Councilor

Arnold-yes, Councilor Cavin-yes, Councilor Moore-Un able to receive vote. The motion passed 3-0 with Councilor Halvorson being absent and Councilor Moore unable to transmit vote.

3. Consider approval to move money from RPD (SRO) account to provide non-union, civilian employees of the RPD with a onetime \$2,000 retention bonus. Councilor Arnold moved to approve and send tom Finance committee and place on consent agenda. Councilor Cavin was the second and a voice vote was as follows: Councilor Halvorson-yes, Councilor Marrujo-yes, Councilor Cavin-yes, Councilor Arnold-yes, and Councilor Moore unable to transmit vote. Motion passed 4-0.
4. Consider approval of a budget adjustment in the amount of \$123,270 to fund Paladin Drones software and equipment contract. Councilor Cavin moved to send to Finance Committee and place on consent agenda. Councilor Arnold was the second and a voice vote was as follows: Councilor Halvorson-yes, Councilor Marrujo-yes, Councilor Cavin-yes, Councilor Arnold-yes, and Councilor Moore unable to transmit vote. Motion passed 4-0.
5. Consider approval of the recommendation of award for ITB-26-003 SWAT Warehouse Renovation and Covered Parking Structure to Hubbard & Sons, Inc in the amount of \$89,874.24 (including GRT). Councilor Arnold moved to send to Finance Committee and place on consent agenda. Councilor Cavin was second and a voice vote was as follows: Councilor Halvorson-yes, Councilor Marrujo-yes, Councilor Cavin-yes, Councilor Arnold-yes, and Councilor Moore was unable to transmit vote. Motion passed 4-0.

NON-ACTION ITEMS

MONTHLY DEPARTMENT REPORTS

Departments presented the committee with their monthly reports and answered any questions.

6. Emergency Management, Ms. Sanders presented the monthly report and answered questions.

7. Roswell Animal Services, Ms. Mairot presented the monthly report and answered questions.

8. Community Development, Mr. Franco presented the monthly report and answered questions.

9. Roswell Police Department, Chief Bateman presented the monthly report and answered questions

10. AMR Monthly Report, Mr. Prescott presented the monthly report and answered questions.

11. Chief Chaves and Fire Marshal presented the Fire Department monthly report and answered questions.

12. Mr. Mathews introduce Alison Herring as the interim director at PVRCC following the departure of Ms. Best.

PUBLIC PARTICIPATION

None

ADJOURNMENT

The meeting adjourned at 5:10p.m.

Next meeting will be November18, 2025 @ 4:00 p.m.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

ACTION REQUESTED:

The Public Safety Committee is asked to consider and refer to the Finance Committee and recommend a budget adjustment of \$1.8 million of Opioid Fund's money to be appropriated for expenditure by the City consistent with the following scope and for any real property, fixtures, and personal property necessary or related to accomplishing the goals and scope.

BACKGROUND:

The Scope of the procurement consists of identifying and awarding organizations to provide services as follows:

The term of this contract shall be from the date of award until June 30, 2026. The City reserves the right to extend any contract, on a fiscal year annual basis (or any portion thereof) and by mutual agreement, for up to (3) additional years.

Under no circumstances will the terms of this contract, including any or all of the award contracts. The City will abide by all portions of NMSA 1978 §3-1-154, regarding contract limits and terms.

The purpose of this procurement is to identify organizations or agencies to respond to the opioid crisis through opioid response strategies such as, but not limited to, prevention, treatment, recovery, harm reduction, and/or education. The goal is to fund projects in Roswell, NM that will have a high impact on alleviating the opioid crisis.

Multiple organizations may be selected for funding contracts. As part of the funding requirements, selected organizations must complete the following activities:

1. Implement an opioid response project to include, but not limited to, prevention, treatment, recovery, harm-reduction, and/or education strategies.
2. Present to the City of Roswell at least once during the funding period.
3. Complete a yearly Project Summary Report, including updated organization contact information, an account of the use of funds, and a description of outcomes.

FINANCIAL CONSIDERATION:

Consider the use of the Opioid Funds.

LEGAL REVIEW:

The Legal Department has been involved in the discussions of this item.

BOARD AND COMMITTEE ACTION:

The Public Safety Committee is the first committee to consider this item.

STAFF RECOMMENDATION:

Consider this item and refer to the Finance Committee for funding consideration.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: N/A

CHAIR: N/A

ACTION REQUESTED:

The Resolution shall require the removal or demolition of two (2) dilapidated structures.

BACKGROUND:

Initiated by: Toby Franco. These structures constitute a public nuisance harmful to public health, safety and general welfare.

FINANCIAL CONSIDERATION:

Resolution and notice will be served to owners requiring action within fifteen (15) days. Demolition by the City will proceed if no action is taken and a lien will be placed on the property for costs ranging from \$3,000 to \$30,000 for each property for removal.

LEGAL REVIEW:

The City Attorney has reviewed the current resolution. Resolutions must be adopted by a majority vote of the entire City Council.

BOARD AND COMMITTEE ACTION:

This is to be reviewed by the Public Safety Committee at their meeting on November 18, 2025.

STAFF RECOMMENDATION:

Code Enforcement recommends approval of Resolution 25-XX.

Attachments

ATT 1 Resolution 25-XX Condemnations

ATT 2 Resolution 25-XX Condemnations

CITY OF ROSWELL
RESOLUTION 25-XX

A RESOLUTION REQUIRING THE REMOVAL AND/OR DEMOLITION OF CERTAIN DAMAGED AND DILAPIDATED BUILDINGS, STRUCTURES OR PREMISES; PROVIDING THAT THE CITY SHALL HAVE A LIEN FOR THE COST OF REMOVAL; PRESCRIBING THE PROCEDURE INCIDENT TO SUCH REMOVAL AND/OR DEMOLITION AND DECLARING CERTAIN PROPERTY TO BE IN SUCH STATE OF DISREPAIR, DAMAGE AND DILAPIDATION AS TO CONSTITUTE A DANGEROUS BUILDING AND A PUBLIC NUISANCE PREJUDICIAL TO THE PUBLIC HEALTH, SAFETY AND GENERAL WELFARE.

WHEREAS, it is the opinion of the City Council of the City of Roswell, New Mexico, that those certain buildings or structures upon the premises located as follows and purportedly owned of record, or occupied by the parties hereinafter named, are and have become in such state of disrepair, damage and dilapidation as to be a menace to the public health, safety and general welfare of the inhabitants of the community; and further, that it is in the public interest to require the removal thereof, according to law, by reason of the condition or conditions set forth in Exhibit "A".

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL, THE GOVERNING BODY OF THE CITY OF ROSWELL, NEW MEXICO:

1. That the buildings or structures set forth in Exhibit "A" are declared to be in such state of disrepair, damage and dilapidation as to constitute a dangerous building within the purview of Roswell Municipal code section 16-12, as well as being a public nuisance prejudicial to the public health, safety and general welfare. That such dangerous buildings or structures set forth, if any, cannot reasonably be repaired so that they will no longer exist in violation of the terms of the ordinance.

2. The owners, occupants, if any, or agent in charge of said premises be, and they hereby are ordered and required to remove such dangerous buildings, or structures within a reasonable time thereafter not to exceed fifteen (15) days from the receipt of notice by certified mail or from date of publication of this resolution as hereinafter provided, and as the case may be. In the event such removal be not commenced by such owner, occupant or agent, or written objection thereto be filed with the City Clerk within ten (10) days after service of a copy of this resolution by certified mail or by publication, requesting a hearing, then and in such event, the City Manager is hereby authorized and directed to cause such dangerous buildings or structures to be removed at the sole cost and expense of the owner, owners or other parties having an interest in said properties, and further, that the reasonable cost of such removal shall be and become a subsisting and valid lien against such property so removed and the lot or parcel or land from which such removal was made and shall be foreclosed in the manner provided by law for the foreclosure of municipal liens. Alternatively, the City Manager may act pursuant to Article 3-18-5 (G) (NMSA, 1978), and cause the dangerous buildings or structures to be removed and give title to them or their components to the removing person or persons.

3. In the event the owner or other interested party aggrieved shall file his protest within the time herein provided, requesting a hearing, on the matter, the City Council shall fix a date for hearing, at which time said Protestants shall be entitled to be heard in person, by agent or attorney, and the City Council shall consider evidence whether or not its previous action should be enforced or rescinded. If it shall be determined that the removal order should be enforced, and the owner(s) shall fail or neglect to comply with said decision of the City Council, they shall have a right of appeal to a court of competent jurisdiction by giving notice of such appeal to the City Council within the (10) days after the date of the City Council decision, together with his petition for court review duly filed with the Clerk of the Court within thirty (30) days of the date of the decision complained of.

4. Upon the adoption of this resolution, it shall be the duty of the City Building Inspector to notify the owner, occupant or agent in charge of such building or structure of the adoption of this resolution by serving a copy thereof upon him by certified mail, return receipt requested; and in the event such owner, occupant or agent cannot be found or served within said City as herein above provided, such notice may be served by posting a copy of said resolution upon the premises complained of, followed by legal publication of said resolution one time in a newspaper of general circulation within the city.

ADOPTED, SIGNED AND APPROVED 11th day of December 2025.

CITY SEAL

Timothy Z. Jennings, Mayor

ATTEST:

Amalia Martinez, City Clerk

Location	Condition	Name
1705 W SUMMIT ST S 6 T 11S R 24E SW4NW4SE4 E 90' W 209.7' N 130' S 160'	Dilapidated/ Deterioration Open To Public, Inadequate Maintenance	LUCERO, JUAN E; LUCERO, LIDIA 69 BOLEY PL ROSWELL, NM 88203
2804 S LARGO DR SOUTH PLAINS PARK Block 4 Lot 12	Dilapidated/ Deterioration Open To Public, Inadequate Maintenance	RINCON, TOMMY 402 DELICADO DR ROSWELL, NM 88201

1705 W SUMMIT ST



2804 S LARGO DR



Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

ACTION REQUESTED:

Consider recommending approval of the City of Roswell Police Department to enter into a five-year lease beginning December 1, 2025, and ending November 30, 2030, for building No. 500 at the Roswell Air Center.

BACKGROUND:

Initiated by: Chief Lance Bateman

The City of Roswell Police Department requests to enter into a five-year lease for building No. 500, consisting of 23,000 square feet and adjacent area of land consisting of five acres, located at the Roswell Air Center, commencing on December 1, 2025, and ending November 30, 2030.

FINANCIAL CONSIDERATION:

The tenant agrees to pay landlord as rent the sum of Three Hundred Sixty-eight thousand dollars and zero cents (\$368,000.00), payable in 12 monthly installments of \$30,666.67.

LEGAL REVIEW:

The City Attorney has reviewed this lease.

BOARD AND COMMITTEE ACTION:

On November 18, 2025, at 2:00 pm, the Legal Committee referred this item to the Public Safety Committee meeting on November 18, 2025, at 4:00 pm.

STAFF RECOMMENDATION:

Staff recommends proceeding as presented.

Fiscal Impact

BUDGETED? Yes/No: No

FISCAL YEAR: FY26

FUNDING/BUDGET SOURCE: To be determined

FINANCIAL CONSIDERATION:

Tenant agrees to pay landlord as rent the sum of Three hundred Sixty-Eight Thousand Dollars and Zero Cents (\$368,000.00), payable in twelve monthly installments of \$30,666.67.

Attachments

Air Center building 500 lease

MUNICIPAL PROPERTY USE AND LEASE AGREEMENT

THIS PROPERTY USE AND LEASE AGREEMENT (the "Lease"), is made and entered into as of the date of the last signature below, by and between the City of Roswell, a New Mexico municipal corporation existing under the laws of the State of New Mexico (together with its successors and assigns) ("City"), and Roswell Police Department ("Lessee"). The City and Lessee are collectively referred to herein as "The Parties."

WHEREAS, City has agreed to lease to Lessee the real property described below, together with the improvements thereon, in Chaves County, New Mexico, and Lessee has agreed to lease said real property and improvements from City.

WHEREAS, the Parties desire to enter into this Lease to set out the terms and conditions for such lease and use of the Leased Premises.

NOW THEREFORE, for and in consideration of the mutual obligations, covenants and agreements hereinafter set forth, City and Lessee agree as follows, to wit:

ARTICLE 1 – GRANTING CLAUSE AND LEASED PREMISES.

For the term, at the rent and otherwise upon the terms, provisions and conditions contained herein, City hereby leases to Lessee, and Lessee does hereby accept and lease from City in its current condition, as more specifically described on Exhibit "A" attached hereto and made a part hereof ("Leased Premises"), to include the surface only to the following real property, together with and other ancillary improvements located thereon:

Building No. 500, consisting of 23,000 square feet, more or less, and adjacent area of land consisting of 5 acres more or less located at the Roswell Air Center, identified on a plat attached hereto and made a part hereof, identified and listed as Exhibit "A" (Premises).

The address of the Leased Premises is commonly known as 47 Gail Harris Avenue, Roswell, NM 88203. The Leased Premises include existing infrastructure and buildings currently used for storing ammunition, explosives, and paperwork. As further set forth in Article 5, the Leased Premises are being leased "AS IS," including the environmental condition of the land, and City has made no representations or warranties of any kind or nature with regard to the existing or ongoing condition of the Leased Premises or its fitness or suitability for any particular use.

The rights granted herein are subject to all valid and existing rights in the Leased Premises.

ARTICLE 2 – TERM

2.01 Lessee shall commence leasing of the Leased Premises effective on November 1, 2025, for 5 years and shall terminate on October 31, 2030, collectively known as the "Lease

Period,” unless terminated or canceled earlier as herein provided. City hereby approves, and shall not contest, relinquishment of this Lease by Lessee at any time following the Termination Date, provided that Lessee is not in default of the Lease at the time of said relinquishment, and also that Lessee surrenders the Leased Premises in compliance with this Lease.

ARTICLE 3 – RENT

3.01 Lessee agrees to pay to City as rent the sum of Three Hundred Sixty-Eight thousand dollars and Zero cents (\$368,000.00), payable in 12 monthly installments of \$30,666.67. Thereafter, the rent will be adjusted annually by 3 % or the latest 12-month percentage change in CPI-U (Consumer Price Index-U, U.S. city Average), whichever is greater. Rent and other fees are due on the first day of each month. Time is of the essence with regard to the payment of rent.

3.02 If Lessee fails to pay all rent and other fees due for any month by the tenth calendar day of the month that said rent and fees are due, Lessee shall pay to City an additional 2% finance charge, as a penalty, each month until the full amount of that month's rent is paid. This penalty shall be immediately payable without limiting City in the exercise of any other right or remedy to which it may be entitled by reason of Lessee's failure to pay rent when due. All rent shall be paid to City without abatement, reduction or setoff of any kind except as herein specifically provided.

ARTICLE 4 – SECURITY DEPOSIT OR BOND

4.01 SECURITY DEPOSIT. Lessee has paid the amount of \$0.00 as a security deposit as security for Lessee's full and faithful performance of all terms of this Lease. This amount shall be used by City at the termination of this Lease toward a. payment for rent or penalties due City, b. reimbursement of the costs of cleaning and repairing damages (beyond normal wear and tear) to the Leased Premises and c. the cost of removal of any hazardous material not properly disposed of by Lessee. City shall be the sole and reasonable judge of all cleaning and repairs required for the Leased Premises and the amounts needed for these purposes. Upon termination or expiration of this Lease the security deposit shall first be applied to necessary cleaning and removal, repairs and the remaining balance, if any, may then be applied to rentals and penalties then owing to City. Any refund of the security deposit due Lessee will be delivered or mailed within 60 days after the termination of this Lease.

ARTICLE 5 – CONDITION OF LEASED PREMISES

Lessee has inspected the Leased Premises and accepts Leased Premises in its present condition "as is". Lessee acknowledges that any requirements for accessibility and/or public accommodation(s) are Lessee's responsibility. Lessee agrees that the Leased Premises are in good repair and condition except as noted herein. Lessee agrees that, at

the expiration of the term hereof, it shall yield up and deliver the Leased Premises to City in as good repair and condition, broom clean, as when received, except for loss resulting from ordinary use and wear.

ARTICLE 6 – PURPOSE AND USE OF THE LEASED PREMISES

6.01 PERMITTED USE. Lessee shall use the Leased Premises for the sole and exclusive purpose of all related operations and activities required for the normal operations of the Roswell Police Department mission. No other uses shall be permitted.

6.02. SPECIAL EVENTS. City may, at its discretion, conduct or host special activities or events near or about the Premises or elsewhere at or about Airport. The City shall not be liable to Lessee or any Sublessee for any actual or alleged cost or loss, including, but not limited to, any actual or alleged loss of revenue or goodwill, caused by, resulting from, arising out of, relating to or in connection or conjunction with such special events.

6.03 MAINTENANCE.

a. While this Lease is in effect, the Lessee agrees to maintain, at its sole cost and expense, in good condition and repair, all structural and mechanical components of any improvements maintained or constructed on the Leased Premises, including without limitation the foundation, roof, interior and exterior walls, any heating, ventilating and air conditioning systems, heating systems, any plumbing, electrical, and mechanical systems, ceilings, floors, wiring and any non-public utilities. Lessee will maintain the improvements in a condition of safe occupancy during the term of this Lease to a non-lesser standard than the current condition. City will not be under any obligation to operate or maintain the Leased Premises during the Lease Period.

b. Further, the Lessee shall maintain throughout the term of this Lease in good condition and repair, all nonstructural components of any improvements placed on the Leased Premises, including without limitation, the exterior, windows, glass, landscaping, driveways, parking areas, fences, doors, signage, and lighting, ordinary wear and tear excepted, and all personal property of the Lessee situated in or on the Leased Premises. Lessee will keep the Leased Premises and any improvements thereon clean and free from debris.

c. City shall be the sole and reasonable judge of the quality of maintenance and, upon written notice by City to Lessee, Lessee shall be required to perform whatever maintenance City deems reasonably necessary, provided, however, such maintenance shall be consistent in quality with that required of other City Lessees in comparable facilities. If said maintenance is not undertaken by Lessee within ten (10) days after the date City gives Lessee written notice of corrections needed, City shall have the right to enter upon the Leased Premises and perform the necessary maintenance, the cost of which shall be two times the cost for parts and labor and borne by Lessee.

d. Lessee shall not make any alterations to the Lease Premises or improvements placed thereon without prior written approval by City. City's approval to make alterations shall not be unreasonably withheld. City hereby pre-approves any alterations or improvements necessary to ensure the safe occupancy of any structures placed on the Leased Premises.

6.03 HAZARDOUS MATERIALS. Lessee shall conduct all of its activities: (a) in compliance with all applicable environmental laws, rules and regulations and any other applicable laws and regulations applicable to the Lessee's use of the Leased Premises.

a. Without limiting the foregoing, if Lessee or its agents, employees, invitees, or contractors should in any manner, leak, discharge, spill or release hazardous materials, including but not limited to fuel, oil, petroleum products, cleaning solvents, degreasers, deicing chemicals, or other fluids upon the Leased Premises, Lessee and its agents, or contractors shall be strictly liable to City, jointly legally and financially responsible and will incur direct liability pursuant to all applicable environmental laws.

b. In addition to all other indemnities provided in this Lease, Lessee agrees to defend, indemnify, and hold the City free and harmless from any and all claims, causes of action, regulatory demands, liabilities, fines, penalties, losses, and expenses, including without limitation cleanup or other remedial costs (and including reasonable attorneys' fees, costs and all other reasonable litigation expenses when incurred and whether incurred in defense of actual litigation or in reasonable anticipation of litigation), arising from the generation, manufacture, processing, use, release or other spills or leaks of chemicals and products that are or may become hazardous materials, the existence or discovery of any hazardous materials in excess of the levels allowed by all applicable environmental laws or violations of applicable environmental laws on the Leased Premises, the subsurface or the migration of any hazardous material from the Leased Premises to other properties or into the surrounding environment, in each case caused by the Lessee or its operations whether: (a) made, commenced or incurred during the Lease Period; or (b) made, commenced or incurred after the expiration or termination of this Lease if arising out of events occurring during the Lease Period; provided, however, Lessee's obligation to indemnify the City pursuant to this paragraph shall not apply with respect to either: (a) any hazardous material released by the City; or (b) any hazardous material (for which Lessee is not otherwise responsible) clearly demonstrated to have existed prior to this Lease or be migrating onto the Leased Premises from some other location through no fault of Lessee.

c. If there is a violation of any environmental laws concerning the presence, use, generation, storage or other management of hazardous materials, Lessee shall at its cost promptly take such action as is necessary to mitigate and correct the violation.

d. The foregoing indemnity shall survive the expiration or earlier termination of this Lease and will not be affected in any way by the amount of or the absence in any case of

covering insurance or the failure or refusal of any insurance carrier to perform any obligation on its part under insurance policies affecting the Leased Premises. In addition, Lessee shall be responsible for any environmental cost associated with negligence or willful acts or omission by Lessee, and notifications to appropriate regulatory agencies arising there from.

ARTICLE 7 – UTILITY AND OTHER CHARGES

In addition to all rent payable by the Lessee under Article 3, above, during the term hereof, Lessee shall pay all taxes, licenses, charges, fees or assessments levied or to be levied upon personal-property, fixtures or equipment placed by Lessee upon the Leased Premises, and insurance, of whatsoever kind or nature, incident to or arising out of the conduct of Lessee's business. Failure to have an appropriate current license or permit for Lessee's conduct of business shall be a breach of this Lease. Lessee will promptly pay all utilities and other charges used on the Leased Premises, including electric, gas, water, garbage, sewage, telephone, internet, all maintenance and operating costs and other services which may be incurred in connection with Lessee's use of the Leased Premises, and save harmless City therefrom. The City is not responsible for any payments that may be associated with any demolition or construction of any improvements or infrastructure.

ARTICLE 8 – LIEN

To secure the payment of any rent amount that becomes due, and to satisfy all reasonable costs incurred by City in recovering said rent amount, City shall have a first and prior lien on any and all improvements, fixtures, and equipment placed on the Leased Premises, owned by Lessee.

ARTICLE 9 – PERSONAL PROPERTY

All personal property and fixtures of Lessee in or on the Leased Premises shall be kept at the sole risk of Lessee, and City shall not be liable for any damage thereto or to Leased Premises or to Lessee for interruption of business or otherwise. Lessee hereby waives all causes or rights of recovery against City, its agents, employees, invitees and tenants for any loss to such personal property and fixtures on the Leased Premises or to consequential loss arising therefrom caused by fire or other casualty, whether negligently caused or not.

ARTICLE 10 – IMPROVEMENTS

10.01 The Leased Premises include improvements, including but not limited to existing infrastructure and building currently used as storage. Lessee may use the existing improvements or remove existing improvements, subject to prior written approval by City. In addition, Lessee may, place the following improvements on the Leased Premises:

Specific improvements to the Leased Premises are subject to City's prior written approval.

10.02 No other improvements shall be placed on or alterations made to the Leased Premises without the prior amendment of this Lease pursuant to Article 22 hereof to permit such improvement placement. Lessee shall maintain and protect from waste and trespass all improvements placed on the Leased Premises.

10.03 Ownership Of Improvements, Improvement Removal And Reclamation. Before relinquishment or termination of this Lease without re-lease to Lessee, or upon City's cancellation of this Lease as provided herein, City may either declare title to the improvements without payment or compensation to the Lessee or City may order the removal of such improvements. City may declare title to certain improvements and may order the removal other improvements. City will inventory the improvements and provide notice to the Lessee of its intent to declare title to the improvements or its order to remove the improvements one (1) year before relinquishment or termination of the Lease. If City determines certain improvements must be removed, Lessee shall remove those improvements and shall restore the Leased Premises to their condition existing prior to the placement of said improvements; provided, however, if any rent amount is due and unpaid at the time of Lease cancellation or termination, Lessee shall remove improvements and restore the Leased Premises as herein provided only at such time, in such manner and under such conditions as City may in writing demand. So long as improvements are maintained to the standards contained in paragraph 6.02 above, City shall not order the removal of those improvements. Lessee hereby waives, and shall not assert, any right to compensation for improvements on the Leased Premises. This paragraph shall survive termination of this Lease. The foregoing rights of City shall be cumulative to City's right to cancel this Lease as herein provided.

10.04 Equipment. Except as otherwise provided herein, Lessee shall have the right to install such equipment as may be necessary to conduct of its business on the Leased Premises; and at the expiration or termination of the Lease, Lessee shall have the right to remove all of such equipment installed by Lessee that is removable without damage to the Leased Premises.

10.05 Signs And Advertising. Lessee shall not erect, maintain, or display any signs or other advertising at or on the Leased Premises without first obtaining the written approval of City, such approval not to be unreasonably withheld.

ARTICLE 11 – RELINQUISHMENT

Lessee, if not in default under this Lease, may at any time apply to relinquish the Lease to City and be relieved of further obligations under the lease, provided, however, such relinquishment shall not be valid or effective until approved in writing by City. Lessee must file an application to relinquish the Lease at least thirty (30) days prior to the date on which the Lessee requests the relinquishment to go into effect. City may condition

relinquishment on any terms it deems reasonable. Upon relinquishment Lessee shall not be entitled to the refund of any rent previously paid.

ARTICLE 12 – ASSIGNMENT

Lessee shall not assign this Lease, any part thereof, or assign any improvements located on the Leased Premises without the prior written amendment of this Lease pursuant to Paragraph 22 hereof to permit such assignment. Any lease assignment without lease amendment shall be null and void. City may condition such lease amendment upon an increase in the rent amount and the modification or addition of other Lease provisions.

ARTICLE 13 – SUBLEASE

Lessee shall not sublease the rights granted hereunder, any part thereof, any portion of the Leased Premises or any improvements located on the Leased Premises without the prior written approval of City to permit such sublease. Any sublease without City's approval shall be null and void. City may condition such approval upon an increase in the rent amount and the modification or addition of other Lease provisions, however any such modification or addition to the Lease shall not be unreasonable. The City's approval of a sublease shall not be unreasonably withheld.

ARTICLE 14 – COLLATERAL ASSIGNMENT

Any attempt to collaterally assign or leasehold mortgage Lessee's interest in this Lease, or in any Improvements, is void and will not vest the purported Lender with any right, title, interest, claim or privilege with respect to this Lease or Improvements absent prior approval in writing by City.

ARTICLE 15 – WAIVER

No employee or agent of City has the power, right, or authority to orally waive any of the terms, conditions, or covenants hereof and no waiver by City of any of the terms, conditions, or covenants hereof shall be effective unless in writing and executed by City. City's waiver of Lessee's breach or default of any of the terms, conditions or covenants hereof shall not constitute or be construed as a waiver of any other or subsequent breach or default by Lessee. The failure of City to enforce at any time any of the terms, conditions or covenants hereof or to exercise any option herein provided, or to require at any time performance by Lessee of any of the terms, conditions, or covenants hereof shall not constitute or be construed to be a waiver of such terms, conditions, or covenants, nor shall it affect the validity of this Lease or any part thereof, or City's right to thereafter enforce each and every such term, condition, and covenant.

ARTICLE 16 – WAIVER, RELEASE AND PROTECTION OF THE LEASED PREMISES

Lessee is leasing the Leased Premises based on Lessee's own inspection and investigation of and judgment regarding the Leased Premises. City makes no warranties or representations of any kind or nature with regard to the Leased Premises or with regard to this transaction.

If accidental discharge, release, spill, or fire or any other event having environmental consequence occurs, Lessee agrees to provide notice to City at the same time and in the same manner as Lessee is required to provide to the federal, state or local agency having responsibility for enforcing compliance with environmental laws, regulations and policy. Lessee agrees that, upon request by City, City shall have access to all reports, documents, test data, and all other materials provided by City to or received by Lessee from a governmental agency having responsibility for enforcing compliance with environmental or other laws.

In the event City is required to incur any cost or expense to enforce the provisions of this lease, including but not limited to consultants, engineers, soil, air or water sampling and attorneys' fees and costs, Lessee shall be liable for and reimburse City for said costs and expenses.

ARTICLE 17 – LIABILITY; INDEMNIFICATION; INSURANCE.

17.01 LIABILITY. City shall not be liable to Lessee or to Lessee's employees, customers, visitors or any other person or entity for any death or injury or damage to person or property arising from any cause whatsoever which shall occur in any manner in or about the Leased Premises in connection with or arising out of Lessee's operations and use of the Leased Premises.

17.02 INDEMNIFICATION. Lessee shall hold harmless, indemnify and defend City, and City's employees, agents, and contractors, in both their official and individual capacities, from any and all liabilities, claims, losses, damages, or expenses, including but not limited to reasonable attorneys' fees, loss of land value, third party claims, penalties or removal, remedial or restoration costs arising out of, alleged to arise out of or indirectly connected with a) the operations hereunder of Lessee or Lessee's employees, agents, contractors, or invitees, b) the activities of third parties on the Leased Premises, whether with or without Lessee's knowledge or consent. In the event that any action, suit or proceeding is brought against Lessee, Lessee shall, as soon as practicable but no later than three (3) days after it receives notice thereof, notify the legal counsel of City. This Paragraph shall survive the termination, cancellation or relinquishment of this Lease, and any cause of action of City to enforce this provision shall not be deemed to accrue until City's actual discovery of said liability, claim, loss, damage, or expense.

Lessee further agrees that its obligation to indemnify, defend and hold harmless City shall not be limited to the limits or terms of the liability insurance, required pursuant to this Lease.

17.03 INSURANCE. Lessee shall purchase, or cause to be purchased, and maintain in effect during the Term of this Lease with insurance carriers or risk retention groups authorized to do business in the State of New Mexico and approved by the City, any insurance required by this paragraph. The insurance and additional insured requirements contained in this Lease are considered minimum coverage amounts and Lessee may elect greater coverage limits than what is specified in this Agreement or as may be required by law. All applicable coverage, unless specified otherwise, shall remain in full force and effect until the expiration, cancellation, or termination of the Agreement and for the subsequent three (3) years following the expiration, cancellation, or termination for loss covered by and occurring during the term of the Lease.

A. General Liability Insurance

Lessee shall carry and maintain, at Lessee's cost and expense, a policy of commercial general liability insurance (in the broadest form then available in New Mexico) that names the City as an insured party or additional insured party protecting the City against claims for bodily injury, personal injury, death and property damage. Such insurance must include coverage for all exposures arising from Lessee's operations, and contractual liability, to protect the Lessee and any additional insured parties from claims for bodily injury, including death, as well as from claims for property damages or loss which may arise from activities, omissions, and operations of the Lessee under the Lease, whether such activities, omissions, and operations be by the Lessee, subcontractor, or by anyone employed by or acting for the benefit of the Lessee in conjunction with this Lease. Such liability insurance coverage shall also extend to damage, destruction and injury to City-owned or City-leased property and City personnel, and caused by or resulting from work, acts operations or omissions of Lessee.

Such an insurance policy must specifically provide coverage for the City and its employees and agents in minimum amounts of \$2 million dollars (\$2,000,000.00) for damage to or destruction of each legally described real property arising out of a single occurrence; 2 million dollars (\$2,000,000.00) per occurrence for bodily injury, personal injury or death; and \$2 million dollars (\$2,000,000.00) with respect to any one occurrence. Higher coverage for the City may be reasonably required by the City from time to time, including but not limited to increases needed to provide complete coverage for City's maximum liability under the New Mexico Tort Claims Act, NMSA 1978 § 41-4-1 et seq. and New Mexico Civil Rights Act, NMSA 1978 § 41-4A-1 et seq. City shall have no liability for premiums charged for such coverage, and inclusion of City as an insured party is not intended to, and shall not make City a partner or joint venturer with Lessee in its operations.

B. Property Coverage

In addition, the Lessee must obtain at its own expense, insurance coverage adequate to protect its operations, property, employees and agents in amounts Lessee finds sufficient but in no case shall such property insurance coverage be for less than one hundred percent (100%) Replacement Cost of Improvements on an Agreed Value Basis. Lessee shall be solely responsible for obtaining insurance policies that provide coverage for losses of Lessee-owned property, including improvements, and City shall be named as an additional insured on the policy. City shall not be required to provide such insurance coverage or be responsible for payment of Lessee's costs for such insurance.

22.5. Within ten (10) days after the execution of this Lease by City and delivery to Lessee, Lessee shall deliver to City original or duplicate certificates of insurance evidencing all the insurance which is required to be maintained under this Lease by Lessee certifying that all requirements set forth herein have been complied with, and within ten (10) days prior to the expiration of any such insurance, other original or duplicate certificates evidencing the renewal of such insurance. A certificate, policy, endorsement or rider which states that failure to give City notice imposes no liability or obligation on the insurer shall not be in compliance with this Lease. The following specific extensions of coverage must be indicated on the Certificate of Insurance:

- (1) Contractual liability
- (2) Bodily Injury and Property Damage liability
- (3) Premises operations
- (4) Personal injury
- (5) Advertising injury
- (6) Fire legal liability
- (7) Medical expense
- (8) Independent contractor/consultants/subcontractor/consultants
- (9) Products – completed operations
- (10) Pollution Liability
- (11) Additional insured endorsement (primary& non-contributing in favor of City)
- (12) Waiver of subrogation in favor of City

The above required Liability limits can be a combination of Primary Limits and Excess Liability/Umbrella limits. For example, certificates or policies stating that the insurer shall "endeavor to notify" and that "failure to give such notice imposes no obligation" on the

insurer are unacceptable to City. Failure to comply with the insurance specifications in this Lease is a material breach of the Lease. Different types of required insurance may be written in one or more policies.

In the event of any cancellation of any insurance coverage required by or on behalf of Lessee pursuant to this Lease, whether it be for non-payment of premium or for other than non-payment of premium, or in the event of any adverse, material change of any insurance required by this Lease effected by the insurance carrier providing such coverage, Lessee must email a copy of the cancellation notice or notice of adverse, material change to City's legal counsel and mail a copy to the address below no later than three (3) business days after the receipt of a cancellation notice or a notice of adverse material change.

Air Center Manager
1 Jerry Smith Circle
Roswell, New Mexico 88203

City agrees to waive its rights of subrogation that it may have against Lessee in the event Lessee's insurance providers pay insurance proceeds to City based on any act or failure to act by Lessee.

ARTICLE 18- USE OF THE PREMISES. Security Responsibilities

Of Tenant, Tenant

1. USE OF THE PREMISES. Security Responsibilities of Tenant, Tenant Employees and Other Persons.

No person may:

i. Tamper, interfere with, compromise, modify, attempt to circumvent, or cause a person to tamper, interfere with, compromise, modify, or attempt to circumvent any security system, measure, or procedure.

ii. Enter, or be present within, a Secured Area, AOA, SIDA, or sterile area without complying with the systems, measures, or procedures being applied to control access to, or presence or movement in, such areas.

iii. Use, allow to be used, or cause to be used, any airport-issued or airport-approved access medium or identification medium that authorizes the access, presence, or movement of persons or Vehicles in Secured Areas, AOAs, or SIDAs in any other manner than that for which it was issued by the Airport Authority.

b. Security Badges

i. Airport ID Badge

1. Persons who work or do business on Airport property on a permanent or long-term (longer than 30 days) basis must have an airport-issued identification in the form of an Airport ID badge. An individual holding an Airport ID badge may also be referred to as "badged personnel."

ii. Airport ID Badge Holder and Tenant Security Responsibilities / Access Control Procedures

1. All badged personnel have an affirmative duty to maintain a secure Airport. Airport tenants are responsible for ensuring that their employees, suppliers, contractors, subcontractors, and all other businesses and entities providing services on Airport property comply with Airport Security, these Rules and Regulations.

c. All badged personnel have an affirmative duty to maintain a secure Airport. Airport tenants are responsible for ensuring that their employees, suppliers, contractors, subcontractors, and all other businesses and entities providing services on Airport property comply with Airport Security, these Rules and Regulations.

d. All badged personnel have an affirmative duty to maintain a secure Airport. Airport tenants are responsible for ensuring that their employees, suppliers, contractors, subcontractors, and all other businesses and entities providing services on Airport property comply with Airport Security, these Rules and Regulations.

e. Tenants and tenant employees are responsible for controlling access to doors, gates and other passageways between the AOA and the landside of the airport through their lease areas.

f. A breach in security caused by a tenant or tenant employee that results in a TSA, Airport Security Coordinator, or Airport Director finding of negligence will be cause to review, suspend, or withdrawal access privileges, impose additional training requirements and/or impose other penalties as provided by these Rules and Regulations and the Airport Security Program.

g. Tenant shall use the Leased Premises solely for the purpose of providing all related operations and activities required for the normal operations of the Roswell Police Department mission, together with such other related uses as shall be reasonably incidental thereto, and for no other purposes, and it shall not use the Leased Premises for any purpose prohibited by the laws of the United States and the State of New Mexico. The Roswell City Code shall bind tenant or as may be

amended from time to time and all applicable policies and procedures of the Roswell Air Center (ROW).

- h. Proper disposal of trash, fluids, parts, hazardous or contaminated waste or materials of whatsoever kind, type or description generated on or as a part of Tenant's occupancy of the Premises is the sole and absolute responsibility of Tenant. Tenant shall comply with all Federal, State and local regulations, laws and ordinances of the City of Roswell in disposal of any such materials. Improper disposal of trash, fluids, parts, hazardous or contaminated waste or materials of whatsoever kind, type or description, generated on or as a part of Tenant's occupancy of the Premises shall be grounds for the immediate Lease termination with or without process of law. Tenant represents to Landlord that it will not release any hazardous materials at the leased premises or contaminate the leased premises. To the extent it is proven that hazardous materials have been released on the leased premises by Tenant, Tenant's employees or representatives during the term of Tenant's occupancy of the leased premises, Tenant hereby unconditionally agrees at its sole cost to defend, indemnify, protect and hold Landlord harmless from and against any bodily injury, death or property damage, including:
 - I. Environmental claims.
 - ii. Environmental expenses, including, without limitation, the handling, investigation, treatment, storage, decontamination, remediation, removal, transport or disposal of such hazardous materials.
 - iii. Liabilities, losses, damages, fines, penalties, charges, orders, judgments, or liens caused by such release.
- i. Tenant shall operate its business in such a manner as to prevent the performance of any act or creation or maintenance of anything which, in the opinion of Landlord, is or may become a nuisance or otherwise noxious or objectionable condition including, but not limited to, any act or thing resulting in noise, vibration, shock, smoke, dust, odor or other forms of air pollution, or other condition, substance or element in such amount as to affect areas surrounding or adjoining the Premises. Landlord shall be the sole and reasonable judge as to whether or not any act done or thing created or maintained by Tenant on the Premises is or may become a nuisance or otherwise noxious or objectionable condition, and Tenant agrees to abide by Landlord's decision and act in accordance with its directions with respect thereto.
- j. Landlord reserves the right to take any action it considers necessary to protect the aerial approaches to the ROW's airport against obstruction, and together with the right to prevent Tenant from erecting or permitting to be erected any building or other structure on the Premises which, in the opinion of Landlord, would limit the usefulness of the airport or constitute a hazard to aircraft or conflict with a current restriction or master plan.

ARTICLE 19 – DEFAULT AND CANCELLATION

Upon Lessee's violation of any of the terms, conditions, or covenants contained herein, including the failure to pay the rent when due, City may cancel this Lease after providing Lessee thirty (30) days' notice of the default by registered mail. The mailing of such notice as herein provided shall constitute notice of City's intention to cancel the Lease and no proof of receipt of such notice shall be necessary in order for City to enforce the lease cancellation thirty (30) days after the mailing of the notice if Lessee has not cured the default to City's satisfaction within said thirty (30) day period. Lessee agrees that if a court of competent jurisdiction determines that Lessee has breached any of the terms, conditions or covenants of this Lease, Lessee shall pay the costs incurred by City in litigating the default, including reasonable attorney fees. In the event of a breach of the terms of this Lease by the Lessee, the City also shall have all remedies available at law or equity.

ARTICLE 20 – DAMAGE OR DESTRUCTION OF LEASED PREMISES

In the event the Leased Premises are damaged by fire or other perils, City may, in its sole and absolute discretion, repair or rebuild the same within a reasonable time after the event causing such damage. City shall in its sole discretion have the option to: (1) to repair, reconstruct or restore the Leased Premises within a reasonable time of the event causing the damage, in which case this Lease shall continue in full force and effect, but the rent shall be proportionately reduced as provided above during the period of such repair, reconstruction or restoration, or (2) to give notice to Lessee at any time within sixty (60) days after such damage occurs, terminating this Lease as of the date specified in such notice, which date shall be no more than thirty (30) days after the giving of such notice. In the event of giving to Lessee such notice of termination, this Lease shall terminate and all interests of Lessee in the Leased Premises shall cease on the date so specified in such notice and Lessee shall pay the rent, as proportionately reduced, based upon the extent, if any, to which such damage interfered with the business carried on by Lessee in the Leased Premises, up to the date of such termination. If the damage is due to the fault or neglect of Lessee or its employees, as determined by City in its sole discretion, there shall be no reduction of rent.

City shall not be required to repair any damage by fire or other casualty, or to make any repair or replacements of any leasehold improvements, fixtures, or other personal property of Lessee.

ARTICLE 21 – COMPLIANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAW OR REGULATION

Lessee shall fully comply with all federal and state laws, regulations, rules, ordinances and requirements, applicable to the Leased Premises or to Lessee's operations thereon, including but not limited to all applicable federal and state laws governing water, endangered or threatened species, hazardous materials, environmental protection, land use, health and safety, cultural, historic or archeological/paleontological properties, waste, trespass, including all applicable federal, state, or local law or regulations that may be promulgated after the effective date of this Lease. Lessee agrees to protect the Leased Premises from waste or trespass. Lessee's compliance with all laws, regulations, and policy shall be at its own expense.

ARTICLE 22 – SCOPE OF AGREEMENT

This Lease incorporates all the agreements, covenants and understandings between City and Lessee concerning the subject matter hereof and all such agreements, covenants and understandings are merged into this Lease. No prior agreement or understanding between City and Lessee shall be valid or enforceable unless expressly embodied in this lease.

ARTICLE 23 – AMENDMENT

This Lease shall not be altered, changed, or amended except by an instrument executed by both City and Lessee.

ARTICLE 24 – APPLICABLE LAW

This Lease shall be governed by the laws of the State of New Mexico.

ARTICLE 25 – SUCCESSORS IN INTEREST; THIRD PARTIES

All terms, conditions, and covenants of this Lease and all amendments thereto shall extend to and bind the heirs, successors, and assigns of Lessee and City. There are no third-party beneficiaries of this Lease.

ARTICLE 26 – BANKRUPTCY

If Lessee should be adjudged bankrupt, either voluntarily or involuntarily, City shall have the option to pursue with the Court having jurisdiction all remedies to which City may be entitled in law or equity. In no event shall Lessee's interests in this Lease be deemed to be an asset of Lessee.

ARTICLE 27 -- HOLDOVER

If Lessee enters upon the Leased Premises after the termination or cancellation of this lease for any purpose, or leaves any equipment, buildings, materials, property or debris on the Leases Premises after the termination or cancellation of this lease, the rent due City for such entry or presence shall be prorated as provided in Article 3 plus 15% administrative for each day or any part of the day. Nothing contained herein shall be construed as the grant to Lessee of the right to enter the Leased Premises for any purpose after the termination or cancellation of this Lease without the prior written consent of City.

ARTICLE 28 – NOTICES

The addresses for notice are:

For Notice to City:

Air Center Manager
1 Jerry Smith Circle
Roswell, NM 88203

For Notice to Lessee:

City of Roswell Police Department
47 Gail Harris Avenue
Roswell, NM 88203

ARTICLE 29 – RULES OF CONSTRUCTION

(a) The captions and headings in this Lease are for convenience only and in no way define, limit or describe the scope or intent of any provisions or sections of this Lease.

(b) All references in this Lease to particular articles, sections or exhibits are references to articles or sections of or exhibits to this Lease unless some other reference is established.

ARTICLE 30 – CALCULATION OF TIME

Any time period calculated by reference to "days" means calendar days unless expressly otherwise stated; provided, however, that if the last day for a given act falls on a Saturday, Sunday, or a holiday as observed by the State of New Mexico, the day for such act shall be first day following that is not a Saturday, Sunday, or such observed holiday.

ARTICLE 31 – STATUS OF CITY

Lessee acknowledges that City is a governmental entity which manages the Leased Premises pursuant to state law.

ARTICLE 32 – ENTIRE AGREEMENT AND AMENDMENT

This Lease is intended by the Parties as a final expression of their agreement and as a complete and exclusive statement of the terms thereof, with all negotiations, considerations, and representations between the Parties having been incorporated herein. No course of prior dealings between the Parties shall be relevant or admissible to supplement, explain, or vary any of the terms of this Lease. No representations, understandings, or agreements have been made or relied upon in the making of this Lease other than those specifically set forth herein.

IN WITNESS WHEREOF, this Lease is executed the __ day of _____, 20__.

For City

By: Timothy Z. Jennings, Mayor

By: Hessel Yntema, City Attorney

For Lessee:

By: Lance Bateman, Chief of Police

Attest:

Amalia Martinez, City Clerk

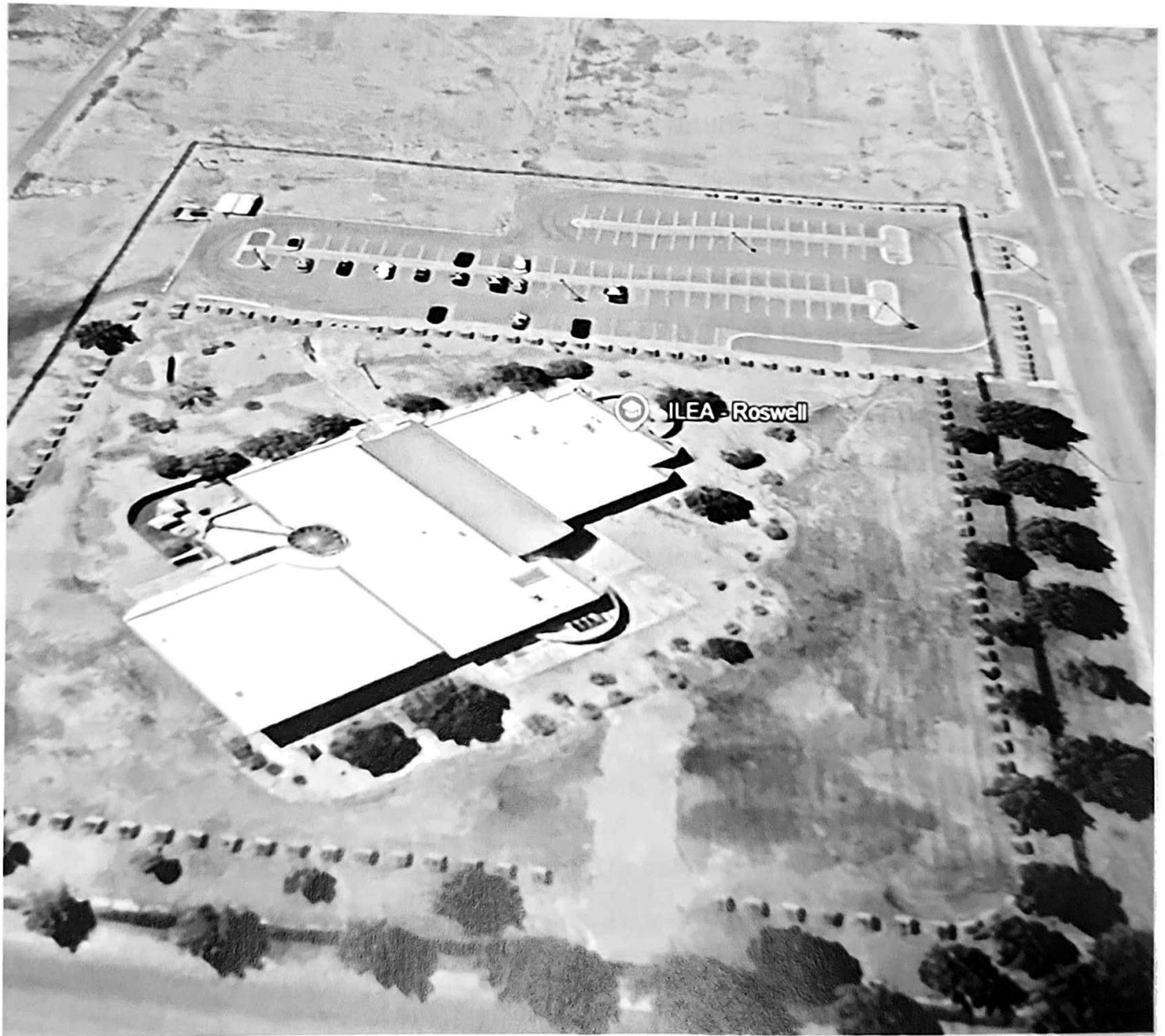


EXHIBIT C: INSURANCE

1. MINIMUM SCOPE OF INSURANCE

a. City of Roswell Police Department, shall procure and maintain for the duration of the contracts the following minimum insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work herein and the results of the Work by City of Roswell Police Department, representatives, employees or subcontractors (check all that apply):

☒ I. **Commercial General Liability** (“CGL”): Insurance Services Office Form CG 00 01 covering CGL on an “occurrence” basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than **\$2,000,000.00** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 05 09 or 25 04 05 09) or the general aggregate limit shall be twice the required occurrence.

☒ II. **Automobile Liability**: ISO Form Number CA 00 01 covering any auto (Code 1), or if City of Roswell Police Department has no owned autos, covering hired (Code 8) and non-owned autos (Code 9), with limits no less than **\$1,000,000.00** per accident for bodily injury and property damage.

☐ III. **Worker’s Compensation**: as required by the State of New Mexico, with Statutory Limits and Employer’s Liability Insurance with limit of no less than **\$1,000,000.00** per accident for bodily injury or disease.

☒ IV. **Professional Liability (Errors and Omissions)**: Insurance appropriate to City of Roswell Police Department profession, with limit no less than **\$1,000,000.00** per occurrence or claim, **\$2,000,000.00** aggregate.

☒ V. **Property Insurance**: against all risks of loss to any and all improvements, betterments and fixtures on or to real property made the subject of this Agreement, at full replacement cost with no coinsurance penalty provisions.

b. If City of Roswell Police Department maintains broader coverage and/or higher limits than the minimum shown above, the City requires and shall be entitled to the broader coverage and/or higher limits maintained by City of Roswell Police Department.

2. ADDITIONAL INSURED STATUS

The City, its council members, officials, officers, employees, agents, and volunteers are to be coverage as additional insured on the CGL policy with respect to liability arising out of the Work performed by or on behalf of City of Roswell Police Department, including materials, parts or equipment furnished in connection with

the Work. General Liability coverage can be provided in the form of an endorsement to insurance (at least as broad as ISO Form 20 10 11 85 or both CG 20 10,0CG 20 26, CG 20 33, CG 20 38, CG 20 37 form is later revisions used)

3. PRIMARY COVERAGE

For any claims related to this Agreement, City of Roswell Police Department insurance shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 as respects the City, its council members, officials, officers, employees, agents, and volunteers. Any insurance or self-insurance maintained by the City, its council members, officials, officers, employees, agents, and volunteers shall be excess of City of Roswell Police Department insurance and shall not contribute to it.

4. NOTICE OF CANCELLATION

Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City.

5. WAIVER OF SUBROGATION

City of Roswell Police Department hereby grants to the City a waiver of any rights to subrogation which any of City of Roswell Police Department insurers may acquire against the City by virtue of the payment of any loss under such insurance. City of Roswell Police Department agrees to obtain any endorsement that may be necessary to affect this waiver of

subrogation, but this provision applies regardless of whether or not the city has received a waiver of subrogation endorsement for the insurer.

6. SELF INSURED RETENTIONS

Self-insured retentions must be declared to and approved by the City. The City may require City of Roswell Police Department to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses with the retention.

7. ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers authorized to conduct business in the State of New Mexico with Current A.M. Best's rating of no less than A: VII, unless otherwise acceptable to the City.

8. CLAIMS MADE POLICIES

If any of the required policies provide claims-made coverage:

- i. The Retroactive Date must be shown, and must be before the Effective Date of this Agreement or the beginning of the Work hereunder.
- ii. Insurance must be maintained and evidence of insurance must be provided for at least five years after completion of the Work.
- iii. If coverage is canceled or not renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the Effective Date, City of Roswell Police Department
- iv. Must purchase "extended reporting" coverage for a minimum of five years after completion of the Work.

9. VERIFICATION OF COVERAGE

City of Roswell Police Department shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language affecting coverage required by this Section. All certificates and endorsements are to be received and approved by the City before the Work commences. Failure to obtain the required documents prior to

commencement of the Work, however, shall not waive City of Roswell Police Department obligations to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by this specification at any time.

10. SPECIAL RISKS OR CIRCUMSTANCES

The City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

ACTION REQUESTED:

Consider recommending authorization for approval to issue a purchase order in the amount of \$265,988.60 for the purchase of one Brush Truck from 411 Equipment, LLC. This procurement will be made through CES Contract #2024-25-C115-ALL.

BACKGROUND:

Initiated by: Steve Chavez

The Roswell Fire Department is requesting approval to purchase a new brush truck due to the age and declining reliability of our current brush fleet. Many of our existing units have exceeded their service life and no longer support the dependable and simultaneous response capability required for wildland and grass fire incidents. With fire-service chassis in extremely limited supply, the department identified two suitable units available through 411 Equipment in Albuquerque. Securing one of these chassis now allows us to begin updating our fleet to the standards Roswell Fire should have and maintain reliable operational readiness for our community.

FINANCIAL CONSIDERATION:

\$265,988.60 from fire protection grant fund - 22654123-817506 Capitol vehicles - pending transfer of funds

LEGAL REVIEW:

Not at this time

BOARD AND COMMITTEE ACTION:

This is the first committee to review request

STAFF RECOMMENDATION:

Due to limited availability, staff recommends authorization for approval to issue a purchase order in the amount of \$265,988.60 for the purchase of one Brush Truck from 411 Equipment, LLC.

Attachments

Brush Truck



Equipment, LLC

7324 4th Street NW, Los Ranchos, NM 87107
(505) 242-1411 Phone

November 13, 2025

City of Roswell
Fire Department
Steve Chavez
Fire Chief

Dear Chief Chavez,

I am pleased to offer your department a 411 Equipment Brush Truck for \$265,988.60 via my CES Contract #2024-25-C115-ALL. The price break downs as follows:

Item	Description	Price
1906A	Ford F550 4x4 4 Door w/ Aluminum Body	\$243,179.00
84CA	84" CA Chassis	\$5,425.00
K12106	Diesel Water Pump	\$14,820.00
K12228	Kussmaul Auto Eject	\$3,300.00
K11400	Upgrade 400 Gallon Tank	\$420.00
Truck Sub Total		\$267,144.00
CES 2% Discount		(\$5,343.00)
Sub Total Less Discount		\$261,801.00
Graphics		\$5,000.00
Delivery and Training		\$2,500.00
Sub Total		\$269,301.00
Extra Discount (1.23%)		(\$3,312.40)
Grand Total		\$265,988.60

This unit includes the CES 2% Discount with an additional discount, totaling to 3.23%. 411 Equipment will pay the CES fee. This price includes graphics, delivery and training. All equipment can be quoted separately. This unit is ready for purchase and delivery December 2025. If you have any questions, please feel free to contact me.

Thank you for this opportunity,

Alexis Marquez

Alexis Marquez
411 Equipment
Sales Manager
505-242-1411

Public Safety Committee**Meeting Date:** 11/18/2025**COMMITTEE:** Public Safety**CONTACT:** Mike Mathews**CHAIR:** Juliana Halvorson

ACTION REQUESTED:

Consider recommending approval of a budget adjustment to establish the full FY25 EMS operating and personnel budget.

BACKGROUND:

City Council requested a comprehensive presentation of the Emergency Medical Services (EMS) program budget to understand its full operational and personnel costs ahead of the planned transition to a City-operated EMS service beginning July 2026. Establishing this FY25 budget is a necessary step to align current-year financials with long-term operational planning for the upcoming takeover. The FY25 EMS budget includes all essential personnel costs such as wages, overtime, benefits, and related payroll obligations. It also includes the operating costs required to sustain EMS readiness, including medical supplies, communications equipment, training, fuel, and other essential operating expenses necessary to meet state EMS compliance standards. Developing the full FY25 EMS budget provides the foundation for financial modeling and operational readiness as the City prepares for complete EMS service integration in FY26--FY27.

FINANCIAL CONSIDERATION:

Budget adjustments for this item include the establishment of expenditure authority for the FY25 EMS personnel and operating costs within the appropriate fund and department structure.

LEGAL REVIEW:

No legal review is required for this budget adjustment.

BOARD AND COMMITTEE ACTION:

Consider recommending approval of the FY25 EMS budget adjustment.

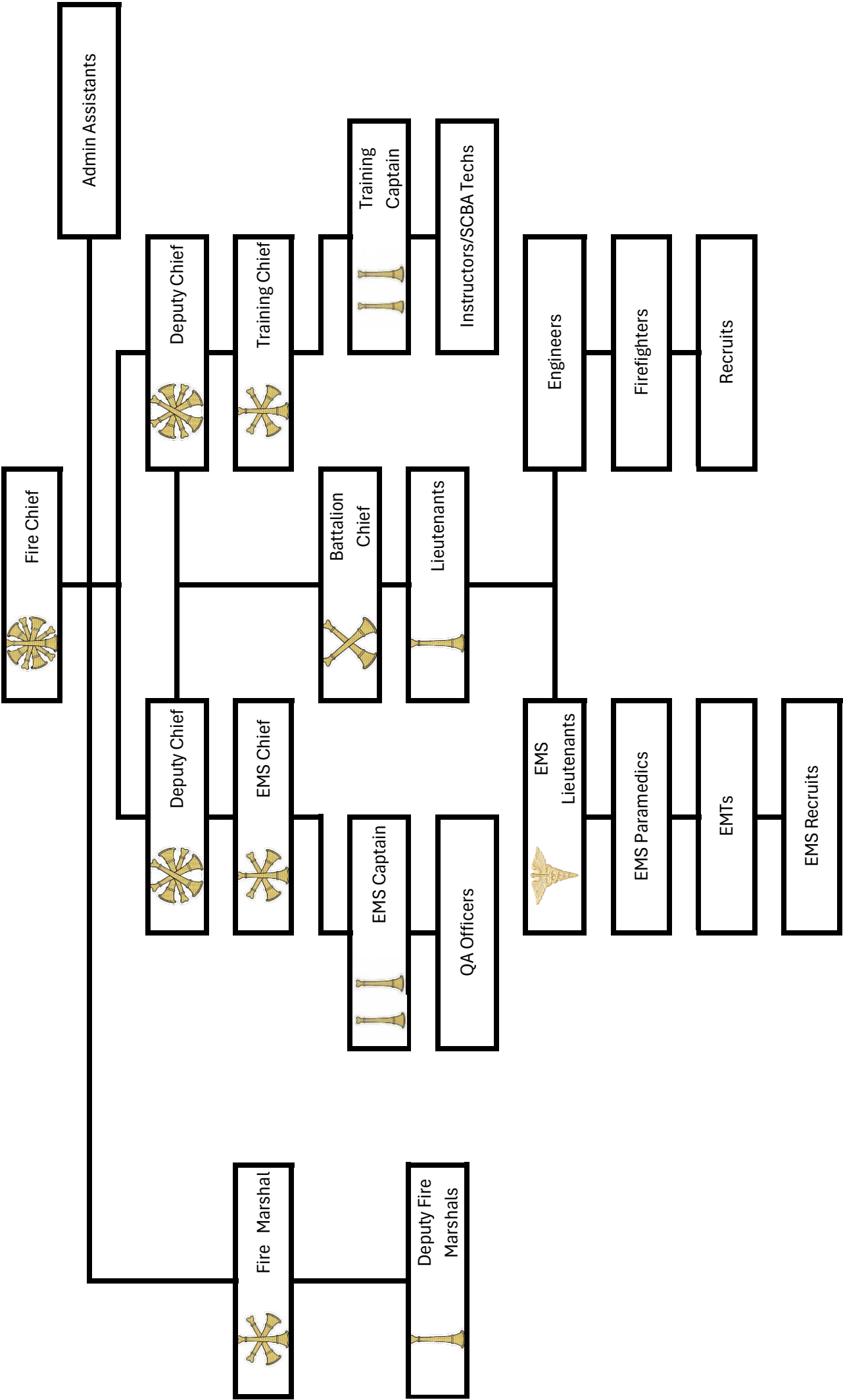
STAFF RECOMMENDATION:

Staff recommends approval of the FY25 EMS operating and personnel budget adjustment to ensure proper funding for current EMS operations and to support the City's planned EMS service takeover in July 2026.

Attachments

EMS Payroll
Ambulance Budget
Organizational Chart

ORG	OBJ	ACCOUNT DESCRIPTION	PROPOSED BUDGET
55004125	511110	Full-Time Salaries	1,949,190.34
55004125	521210	Full-Time Overtime	1,057,870.80
55004125	541561	Phone Allowance	810.00
55004125	551510	FICA Tax	120,902.63
55004125	551520	MEDC Tax	28,274.92
55004125	561530	PERA	230,100.00
55004125	561535	NMRHCA	38,999.98
55004125	571536	Adm Fee	1,017.08
55004125	571540	Grp Ins	1,137,181.92
55004125	571550	W/C CmpFee	479.40
55004125	584201	Physicals	39,465.00
55004125	585901	EE Train	50,000.00
55004125	585902	EE Travel	5,000.00
55004125	585905	Recert Fee	4,050.00
55004125	586101	Gen Unifrm	30,000.00
55004125	614002	M&R-Bldg	15,000.00
55004125	614004	M&R-Equip	15,000.00
55004125	614012	M&R-Vehcle	75,000.00
55004125	623401	Ins-Auto	24,000.00
55004125	635802	Util-MobPh	50,000.00
55004125	636302	Util-Elect	25,000.00
55004125	636303	Util-Gas	10,000.00
55004125	636304	Util- Water	50,000.00
55004125	642901	NC-Comptr	42,500.00
55004125	642902	NC-Tools	36,000.00
55004125	642903	NC-F&F	20,000.00
55004125	642904	NC-Eqpmnt	45,000.00
55004125	654801	Cnt-ProSvc	58,000.00
55004125	663301	Cmptr-Subs	77,135.00
55004125	672805	PubRel-adv	1,000.00
55004125	674700	pubRel-Prnt	1,000.00
55004125	715303	G&A-Licnse	1,000.00
55004125	723200	Sup-Fluids	125,000.00
55004125	725601	Sup-Genrl	8,500.00
55004125	725602	Sup-Office	5,000.00
55004125	725605	Sup-EMS	225,000.00
55004125	725608	Sup-Janit	20,000.00
55004125	817503	Cap-BldgIm	100,000.00
55004125	817505	Cap-Equip	50,000.00
55004125	817506	Cap-Vhcle	80,000.00
		Total	5,852,477.07
		Pharmacy, Medical Direction.	
		ESO, Ninth Brain, EMSrx, CAD	



Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

ACTION REQUESTED:

Consider recommending approval of a budget adjustment and authorization for the purchase of a Class A HME Pumper for the Roswell Fire Department. This procurement will be made through Sourcwell #113021-CSM

BACKGROUND:

The Roswell Fire Department is requesting approval to purchase a Class A HME Pumper to replace aging frontline equipment and ensure compliance with operational and safety standards. The total cost of the apparatus is \$753,215.00. The City has been awarded \$600,000.00 from the New Mexico State Fire Marshal's Office to support this purchase. A budget adjustment is required to recognize this grant revenue and establish expenditure authority within the appropriate fire protection fund. The remaining \$153,215.00 required for the purchase will be funded by the Public Safety Fund. A budget adjustment is also needed to increase expenditure authority in the Public Safety Fund to cover the local match.

FINANCIAL CONSIDERATION:

Budget adjustments for this item include:

- Revenues: Fire Protection Fund 2265-443700 \$600,000.00
- Expenses: Fire Protection Fund Capital Outlay Vehicles 22654123-817506 \$600,000.00

Public Safety Fund Capital Outlay Vehicles 55004125-817506 \$153,215.00

LEGAL REVIEW:

No legal review is required for this budget adjustment.

BOARD AND COMMITTEE ACTION:

Consider recommending approval of the budget adjustments and purchase of the Class A HME Pumper for the Roswell Fire Department.

STAFF RECOMMENDATION:

Staff recommends approval of the budget adjustment and authorization to purchase the Class A HME Pumper

Attachments

Public Safety Ordinance
Pumper

ORDINANCE 23-10

AN ORDINANCE ADOPTING A MUNICIPAL GROSS RECEIPTS TAX

BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF ROSWELL, NEW MEXICO, that:

SECTION 1. Imposition of Tax. There is imposed on any person engaging in business in this municipality for the privilege of engaging in business in this municipality an excise tax equal to five-sixteenths of one percent (0.3125%) of the gross receipts reported or required to be reported by the person pursuant to the New Mexico Gross Receipts and Compensating Tax Act as it now exists or as it may be amended. The tax imposed under this ordinance is pursuant to the Municipal Local Option Gross Receipts Taxes Act as it now exists or as it may be amended and shall be known as the "unrestricted municipal gross receipts tax."

SECTION 2. General Provisions. This ordinance hereby adopts by reference all definitions, exemptions and deductions contained in the Gross Receipts and Compensating Tax Act as it now exists or as it may be amended..

SECTION 3. Specific Exemptions. No municipal gross receipts tax shall be imposed on the gross receipts arising from:

A. transporting persons or property for hire by railroad, motor vehicle, air transportation or any other means from one point within the municipality to another point outside the municipality;

B. a business located outside the boundaries of a municipality on land owned by that municipality for which a state gross receipts tax distribution is made pursuant to Subsection C of Section 7-1-6.4 NMSA 1978; or

C. direct broadcast satellite services.

SECTION 4. Dedication. Revenue derived from the above five-sixteenths (0.3125%) tax shall be used in the following priority:

A. To provide an ambulance system in good repair and to pay legitimate expenses of its operation;

B. All remaining funds shall be put into a special public safety fund for safety and medical equipment and vehicles.

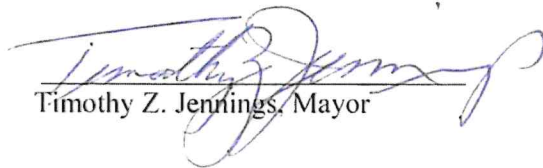
SECTION 5. Effective Date. The effective date of the municipal gross receipts tax shall be either January 1, or July 1, whichever date occurs first after the expiration of three months from the date this ordinance is adopted, unless an election is held on the question of approving the ordinance, in which case the effective date shall be either January 1 or July 1, whichever date occurs first after the expiration of three months from the date when the results of the election are certified to be in

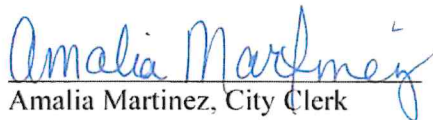
favor of the ordinance's adoption and the adopted ordinance is delivered or mailed to the Taxation and Revenue Department.

PASSED, ADOPTED, SIGNED and APPROVED 14th day of September.



ATTEST


Timothy Z. Jennings, Mayor


Amalia Martinez, City Clerk

ORDINANCE 24-20

AMENDING THE DEDICATION OF A MUNICIPAL LOCAL OPTION GROSS
RECEIPTS TAX

BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF ROSWELL,
NEW MEXICO that Section 4 of Ordinance Number 23-10, effective January 1, 2024, and
imposing a five-sixteenths of one percent (0.3125%) tax is amended to read:

Section 4. Dedication. Revenue derived from the above five-sixteenths of one percent (0.3125%)
tax shall be used in the following priority:

- A. To provide an ambulance system in good repair and to pay legitimate expenses of its
operation;
- B. Create and maintain an ambulance service fund of no less than three million dollars
(\$3,000,000.00);
- C. All remaining funds shall be expended exclusively for wages and equipment for the
Roswell Fire Department, Roswell Police Department, Consolidated Dispatch, and
Emergency Management.

The effective date of this amendment shall be (January 1 or July 1), whichever date occurs first
after the expiration of at least three months from the date this ordinance is delivered or mailed to
the Taxation and Revenue Department.

PASSED, ADOPTED, SIGNED, and APPROVED 14th day of November, 2024.



ATTEST

Amalia Martinez
Amalia Martinez, City Clerk

Timothy Z. Jennings
Timothy Z. Jennings, Mayor

IF THERE IS A DISCREPANCY BETWEEN THE BODYBUILDER PRINT AND THE WRITTEN PROPOSAL; THE SPECIFICATIONS WITHIN THE PROPOSAL PREVAIL.

APPROVED BY: _____ TITLE: _____

APPROVED BY: _____ TITLE: _____

48 of 224

Roswell, NM

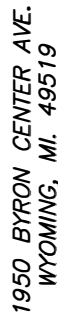
ON BEAM



D	.IB	10 APR '24	HOBSED HEIGHT CORRECTION
---	-----	------------	--------------------------

0	17	0
VERBODEN TOEGANG	NAAM TIT	0

LET	BY	DATE	REVISION
-----	----	------	----------



THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF HME, INC.

NAME _____

DRAWN	DATE	APPROVED	DRAWING FILE
-------	------	----------	--------------

CREATED WITH A:143CAD



PROPOSAL TO FURNISH FIRE APPARATUS

November 12, 2025

Roswell Fire Department
Fire Chief Chavez
200 S Richardson
Roswell, NM 88201

MES hereby proposes to supply, subject to your acceptance of this proposal and the proper signing and execution of the attached contract or purchase order, by the parties thereto, the apparatus and equipment herein described, and for the following prices listed below.

One (1) Custom Pumper, Model 22 Premier on an HME 1871 Custom Chassis with all equipment as described in the attached MES proposal, for the sum of:

\$753,215.00 total

This price includes an industry-leading 3-year bumper-to-bumper warranty, delivery, NFPA apparatus familiarization at the buyer's location, and a pre-delivery inspection by our certified technicians. The proposal also includes the Sourcewell Buying Cooperative fee.

No federal, state, or local taxes are included currently.

Delivery shall be approximately sixty (60) to ninety (90) days from the date of execution of the agreement, depending on the options selected.

The apparatus and equipment shall be manufactured in accordance with the attached specifications, which will become a part of the contract. Only those items included in the attached proposal shall be supplied. Delivery shall be made within the time specified above after receipt and acceptance by MES of the properly signed and executed contract and addendum(s). The delivery time indicated is based on the best delivery knowledge available at this time. Delivery shall be contingent upon delays or failure to deliver from our suppliers, delays caused by, or resulting from labor problems, chassis shortages, strikes, fire, flood, accidents, or other acts of God, or any other circumstances which are beyond the control of this corporation.

TERMS OF PAYMENT: All apparatus shall be paid for upon delivery of the completed apparatus.

All prices or quotations are subject to change or withdrawal unless accepted within 30 days from the date herein set forth.

Having multiple sales representatives and service capabilities in the State of New Mexico will serve the needs of the Roswell Fire Department for years to come.



If you have any questions, please don't hesitate to contact me.

Thank you!

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Shannon Cherry".

Shannon Cherry
Apparatus Sales Manager NM
MES Life Safety

Options for Roswell NM Fire Department

CREW SEAT REMOVAL

Removal of two (2) forward-facing SCBA seats in the rear of the cab shall be completed.

EMS STORAGE COMPARTMENT

There shall be one (1) full-height EMS storage compartment provided and installed in the cab with the door opening facing the front of the cab.

The approximate dimensions of the compartment shall be 40.00 inches wide by 20.00 inches deep.

The door opening shall be a minimum of 35.50 inches wide. The bottom of the cabinet shall contain a panel to raise the floor to maintain a flat floor 2.00 inches above the floor of the cab.

The interior side walls of the cabinet shall be fitted with channels for the installation of adjustable shelves.

EMS COMPARTMENT LOCATION

The EMS compartment shall be installed along the interior rear wall of the cab, center position.

EMS COMPARTMENT FINISH-BLACK

The interior and exterior of the EMS compartment shall be completed with a black powder coated paint finish for durability.

ROLL-UP DOOR

The EMS compartment shall be provided with a roll-up door.

The roll-up door shall be constructed of double-sided aluminum extrusions connected with a ball and socket joint. The extrusions shall be 1.375 inches wide by .375 inches thick with satin anodized finishing. A flexible EDPM extrusion shall be provided between each slat to ensure a weather-tight seal. Aluminum extrusions shall be individually replaceable without disassembling the entire door by removing push-out clips on each end.

Side channels for each door to ride in shall be provided with Santoprene seals to prevent dirt and moisture from entering the exterior compartment. A single-piece top drip rail shall be provided with a Santoprene seal to prevent dirt and moisture from entering the compartment when the door is fully closed. The bottom of each door shall also be provided with a Santoprene seal. All non-metallic parts shall be glass-filled nylon.

Options for Roswell NM Fire Department

ROLL-UP DOOR LATCH

The door latch shall be keyed locking stainless steel lift bars and shall be provided with a magnetic door switch system.

ALUMINUM SHELVES - ADJUSTABLE - EMS COMPARTMENT

The full-depth EMS compartment shelving shall be made from 0.190-inch smooth aluminum sheet material and shall have a flange 1.50 inches deep.

Each shelf shall be adjustable in height and held in place by extruded uprights.

There shall be a total quantity of two (2) provided.

DRI-DECK MATTING - SHELVES

The surface of two (2) aluminum shelves shall be covered with black colored, rigid Dri-Deck mat for improved ventilation that shall also provide a non-slip surface.

EMS COMPARTMENT LIGHTING

Two (2) LED strip lights shall be provided and mounted inside the cabinet, one (1) on each side of the exterior access roll-up door.

These lights shall be activated by the door switch.

110 VOLT RECEPTACLE

One (1) 120-volt AC, single receptacle shall be provided with a weatherproof cover centered in the upper portion of the EMS compartment.

This receptacle shall be wired to the shoreline connection for charging devices stored in the EMS compartment.

OUTLET CONFIGURATION

The electrical outlet shall be a NEMA 5-20, rated at 120-volt AC, 20-amp, duplex, straight-blade receptacle.

TOOL BOARD - PAC TRAC RIGHT AND LEFT SIDE OF EMS CABINET

Pac Trac tool boards 40 inches by 17 inches shall be installed on the right and left outward-facing sides of the EMS cabinet.

Options for Roswell NM Fire Department

FRONT SCENE LIGHT LOCATION

There shall be one (1) brow light mounted center on the front brow of the cab.

SCENE LIGHT MODEL

A Hi-Viz LED brow light model FT-MB-24-F lamp head shall be provided and installed.

The lamp head shall have twenty-four (24) Cree XP-G2 white LEDs with a flood pattern for scene lighting.

The lamp head shall be no more than 2.063 inches high x 31.00 inches wide x 2.50 inches deep.

LIGHT HOUSING

Each lamp head shall be powder-coated with a white finish.

SCENE LIGHT ACTIVATION

The cab forward brow lighting shall be activated by one (1) smart switch installed in the driver's side switch panel in the cab.

LOWERED CHASSIS CAB STEPS

There shall be bolt-on auxiliary steps for all four (4) cab entry doors that shall be lowered to provide a manageable ground-to-first-step distance. These steps shall be open style for ease of access and constructed with a non-skid stepping surface.

GRAPHICS PACKAGE

CUSTOM REV DESIGNS, INC 22k Gold - Engine Turn

1" Striping - Cab length beneath windows, Hose bed length Front Cab Door - "Roswell Fire Dept.

E-1 & E-6" - 28" x 12" Hose bed Top - "ROSWELL" - 8" Lettering

Front Cab - "RFD Founded 1889" - Split between left and right side - 16" x 5" approx.

Installed

ADDITIONAL HOSEBED DIVIDERS

One (1) additional adjustable hose bed divider shall be provided and installed. The divider shall be fabricated from a .25-inch-thick smooth aluminum plate, 5052-H32 alloy.

The rear end of the divider shall have a 3.00-inch radius corner and shall be sanded and deburred to prevent damage to the hose.

Options for Roswell NM Fire Department

There shall be two (2) handhold openings provided. One (1) at the rear in a vertical position and one (1) approximately 24.00 inches in from the rear in a horizontal position at the top of the divider.

FULL-DEPTH ALUMINUM SHELVING – ADJUSTABLE

The full-depth shelving shall be made out of .190-inch smooth aluminum sheet material and shall have a flange 1.50 inches deep.

Each shelf shall be adjustable in height and held in place by extruded uprights.

There shall be a total quantity of one (1) provided in the RR1 rear compartment.

MODIFICATIONS TO R2 COMPARTMENT

SWING-OUT VERTICAL TOOL BOARD - PAC TRAC

A Pac Trac swing-out tool board shall be installed in the compartment.

The tool board shall be attached to the vertical extruded upright mounting channel using a swing-out assembly kit with a locking device.

MODIFICATIONS TO L2 COMPARTMENT

Install one (1) full-depth tray made of .190-inch smooth aluminum sheet material, which shall have a flange 1.50 inches deep.

The tray shall be height-adjustable, pull-out, and down, held in place by extruded uprights and mounted in the L2 compartment.

MES Pumper 22 Premier as Built Specifications

MAXIMUM OVERALL LENGTH REQUIREMENT

The apparatus specified shall be constructed with no restrictions to the maximum overall length.

MAXIMUM OVERALL HEIGHT REQUIREMENT

The apparatus specified shall be constructed with no restrictions to the maximum overall height.

MAXIMUM WHEELBASE REQUIREMENT

The apparatus specified shall be constructed with no restrictions to the maximum wheelbase.

MAXIMUM OVERALL WIDTH

The apparatus specified shall be constructed as detailed and shall NOT exceed a Maximum Overall Width of 102.36 inches to meet Federal Highway Administration width limits for commercial motor vehicles.

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

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

ANGLE OF APPROACH REQUIREMENT

The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of the NFPA 1901 Guideline.

ANGLE OF DEPARTURE REQUIREMENT

The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of the NFPA 1901 Guideline.

IN-SERVICE WEIGHT

The apparatus shall be designed to provide an equipment allowance up to 2500 pounds in compliance with the current edition of the NFPA 1901 Guideline.

INSTRUCTIONS TO BIDDERS

Bidders are requested to read the complete bid invitation carefully and submit their proposals in strict accordance with the requirements set forth.

Any questions regarding this specification must be submitted in writing and be received by the Fire Chief a minimum of ten (10) business days prior to the bid opening date. Clarifications, corrections and/or changes shall be sent out in writing via fax to all prospective bidders.

The purchaser reserves the right to reject any or all bids or accept any bid presented which meet or exceed these specifications and which the purchaser may deem shall be in the best interest of the City regardless of the amount proposed.

MES Pumper 22 Premier as Built Specifications

The complete apparatus shall be manufactured within the continental United States. Vehicles manufactured outside of the continental USA shall not be considered. No exceptions will be permitted to this section of the document.

EXCEPTIONS TO SPECIFICATIONS

It shall be mandatory for any prospective bidder that deviates from the proposed specifications to give a full description of all deviations.

When the bidder checks the "yes" column in the bid the bidder is making testimony that the bidder is in full compliance with the entire paragraph.

Where bidder's specifications and/or construction differ in any way from the bid specification, a full and complete description in specification shall be required. Drawings shall also be required to show alternative construction methods. Partial descriptions, or general clarifications covering groups of sections of the specification, shall be unacceptable and shall be cause for complete rejection of the bid.

Proposals taking total exception to the purchase specifications contained herein shall not be accepted and the bidder's proposal shall be deemed non-responsive and treated accordingly.

SPECIAL NOTE ON SUBSTITUTIONS

Where a subassembly manufacturer's name or "brand" name for a product is given in a specification description, the product identified is the desired product to use. Manufacturers using a product other than the named product must take an exception to the paragraph. Where the words "or equal" are used in a paragraph in reference to an identified product, an apparatus manufacturer can make an equal product substitution without taking an exception to the specification paragraph.

Each bidder is encouraged to provide descriptive literature with their bid packet on any equipment or features that are proposed in lieu of those named and/or described in the specifications. Literature shall be originals and will be retained by the department for evaluation purposes. Such literature shall be required before the pre bid conference on any equipment proposed by the successful bidder that is unfamiliar to the department.

BID CLARIFICATIONS

Each clarification shall refer to the bid specification page number and paragraph. Any such clarification that appears vague or misleading shall be considered an exception. Complete clarifications are required describing the reason for the deviation. The completed vehicle shall be inspected upon delivery for compliance with specifications. Deviations shall not be tolerated and shall be cause for rejection of the cab and chassis unless they were originally listed in the bidder's proposal.

BID DOCUMENTS REQUIRED

The bidder shall utilize this document in its bid. The bidder shall indicate opposite each item if they comply with that paragraph by checking "yes" or "no".

MES Pumper 22 Premier as Built Specifications

The bidder shall provide detailed information on the materials to be used to construct all parts of the apparatus. A bidder's use of terms such as "intent" are considered vague and unacceptable responses will disqualify the bid.

Copies of the bid document electronically reproduced used as a response specification are grounds for immediate disqualification of the bidder's submission.

No exceptions will be permitted to this section of the document.

CONTRACT AWARD

The contract shall be awarded to the lowest and best bidder meeting these specifications. Since the complete vehicle materials specified are commercially available, these specifications shall in no way be considered proprietary. Each bidder shall submit on their proposal page a single line-item price for all items listed in the specifications. Price shall be based on payment upon receipt of the accepted complete vehicle by the Fire Department.

No discounts, options, or prepayment schedules shall be listed on the proposal page. All such items shall be listed on a separate page entitled OPTIONS and may or may not be considered at the discretion of the Fire Department.

SUBMISSION OF BID REQUIREMENTS

Bids shall be submitted in accordance with the following instructions:

1. The bid form provided herein shall be completed and returned with the appropriate "yes" or "no" marked by each paragraph in the "Bidder Complies" column. A paragraph indicated with both the "yes" and "no" column marked shall be considered non-responsive and treated accordingly.
2. Each bidder shall submit their own proposal specifications, detailing their construction. This is necessary to evaluate each bidder's actual intent of building the equipment as specified herein. The bidder's proposal format shall be the same order as these specifications to allow the Fire Department to compare all bids easily and prevent confusion. Failure to comply shall be cause for rejection of the bid.
3. Each bid shall include the weight ratings, wheelbase, principal dimensions, transmission and axle ratios, and a certified brake horsepower curve showing the maximum no load governed speed of the engine proposed.
4. Failure to submit detailed information or drawings where specified herein shall result in rejection of the bid.
5. Bids shall be returned in a sealed envelope clearly marked "BID FOR FIRE APPARATUS". Facsimile bids are not acceptable.
6. Verbal bids and changes in the bid price after the bid opening prior to award shall not be allowed. Any such attempt shall not be accepted and cause immediate rejection of the entire bid.

ORIGIN OF MANUFACTURER

MES Pumper 22 Premier as Built Specifications

Any manufacturer submitting a proposal or bid to these specifications shall meet the following conditions:

- The manufacturer of the apparatus herein specified shall be wholly owned (100%) and managed by a company, corporation and/or parent company that is wholly based and permanently resides in the United States of America.
- The company, corporation, and/or parent company, and all assets belonging to such, shall be wholly owned, and managed by the entities specified above.
- Any proposal, bid or response to these specifications by any foreign based, owned, or managed (in part or in whole) company, corporation and/or parent company, shall be cause for immediate rejection.
- Any proposal, bid or response to these specifications by any company, corporation and/or parent company, that is owned, operated, managed, or held in contract, in part or wholly by a foreign interest partnership or other agreement, shall be cause for immediate rejection.

There shall be no exception to these requirements.

ONLINE CUSTOMER INTERACTION

The manufacturer shall provide the capability for online access through the manufacturer's website. The Fire Department shall be able to view digital photos of their apparatus during phases of the construction.

MANUALS AND DOCUMENT INFORMATION

Upon delivery of the apparatus, the manufacturer shall supply complete operation and maintenance manuals covering the complete apparatus as it is delivered.

The manuals shall include, but not be limited to all component warranties, users' manuals and information for supplied products, record of apparatus construction details and whatever other pertinent information is available to supply to the customer regarding the apparatus.

COMPONENT INFORMATION

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

- Owner name and address
- Apparatus manufacturer, model, and serial number
- Chassis make, model, and serial number
- GAWR of front and rear axles
- Front tire size and total rated capacity in kilograms
- Rear tire size and total rated capacity in kilograms
- Chassis weight distribution in kilograms with water (if applicable) and manufacturer mounted equipment (front and rear)
- Engine make, model, serial number, rated horsepower, related speed and no load governed speed
- Type of fuel and fuel tank capacity
- Electrical system voltage and alternator output in amps
- Battery make and model, capacity in CCA
- Paint numbers

MES Pumper 22 Premier as Built Specifications

- Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall vehicle (with the water tank full (if applicable) but without personnel, equipment, and hose)
- Written load analysis and results of the electrical system performance tests
- Transmission make, model, and type
- Pump to drive through the transmission (yes or no)
- Engine to pump gear ratio and transmission gear ratio used
- Pump make and model, rated capacity in gallons per minute, serial number, and number of stages
- Pump manufacturer's certification of suction capability
- Pump manufacturer's certification of hydrostatic test
- Pump manufacturer's certification of inspection and test for the fire pump
- Copy of the apparatus manufacturer's approval for stationary pumping applications
- Pump transmission make, model and serial number
- Priming device type
- Type of pump pressure control system
- The engine manufacturer's certified brake horsepower curve for the engine furnished, showing the maximum no load governed speed
- Certification of the water tank capacity

WARNING AND INFORMATION LABELS

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

APPARATUS INFORMATION LABEL

There shall be a high-visibility label installed in a location clearly detectable to the driver while in the seated position.

The label shall indicate the following specified information.

Overall Height (feet and inches)
Overall Length (feet and inches)
Overall GVWR (tons or metric tons)

FLUID REQUIRED LABEL

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

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

CHASSIS SEATING REQUIRED LABELING

MES Pumper 22 Premier as Built Specifications

There shall be a high-visibility label installed in a location clearly detectable from each seating position.

The **FAMA07** label shall read the following:

"DANGER PERSONNEL MUST BE SEATED AND SEAT BELTS MUST BE FASTENED WHILE VEHICLE IS IN MOTION OR DEATH OR SERIOUS INJURY MAY RESULT"

A permanent plate shall be installed in the driver's compartment specifying the maximum number of personnel the vehicle is designed to carry per (NFPA) 190 standards. It shall be located in an area visible to the driver.



CAB HELMET WARNING LABEL

There shall be a high-visibility label installed in a location clearly detectable from each seating position.

The **FAMA15** label shall indicate the following specified information.

"DO NOT WEAR HELMET WHILE SEATED"



CAB EQUIPMENT MOUNTING WARNING LABEL

There shall be a permanent label provided and installed on the drivers' sunvisor.

The **FAMA10** label shall indicate the following specified information.

"ALL EQUIPMENT REQUIRED TO BE USED DURING AN EMERGENCY RESPONSE MUST BE SECURELY FASTENED"

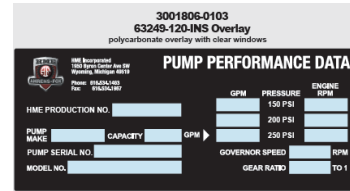
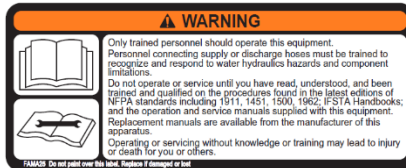


PUMP PERFORMANCE PLACARD

MES Pumper 22 Premier as Built Specifications

There shall be a permanent placard provided and installed with the pump performance data and serial numbers. The placard shall be installed at the pump operator's panel.

The **FAMA25** label, which warns of the need for training prior to operating the apparatus, shall be located on the pump operator's panel.



LIABILITY INSURANCE COVERAGE

In order to protect the department and its personnel, the bidder shall show proof that it has liability insurance in force. A certificate of coverage shall be included in the bid package. Failure to carry liability insurance of at least this amount or failure to include proof of coverage shall be cause to reject the bidder's proposal.

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder shall keep in force at least the following minimum limits of commercial general liability insurance and coverage shall be written on the liability form:

Each Occurrence: \$1,000,000
Products/Completed Operations Aggregate: \$2,000,000
Personal and Advertising Injury: \$1,000,000

AUTOMOBILE LIABILITY INSURANCE

The successful bidder shall keep in force at least the following minimum limits of automobile liability insurance and coverage shall be written on the liability form:

Each Accident Combined Single Limit: \$1,000,000

UMBRELLA LIABILITY INSURANCE

The successful bidder shall keep in force at least the following minimum limits of umbrella liability insurance:

Each Occurrence: \$3,000,000
Aggregate: \$3,000,000

EXCESS LIABILITY INSURANCE

The successful bidder shall keep in force at least the following minimum limits of product liability insurance:

Each Occurrence/General Aggregate: \$4,000,000

CUSTOM CHASSIS - SINGLE SOURCE MANUFACTURER

MES Pumper 22 Premier as Built Specifications

Bids shall only be accepted from a single source apparatus manufacturer. The definition of single source shall be "a manufacturer that designs and manufactures their products using an integrated approach, including the rolling chassis and apparatus body modules being fabricated and assembled on the bidder's premises".

The warranties relative to the chassis, pump module, and apparatus body (excluding vendor component warranties such as engine, transmission, axles, pump, etc.) must be from a single source manufacturer and not split between manufacturers (i.e., body and chassis).

The chassis shall be designed and manufactured by the apparatus builder in the builder's facility and shall be designed and constructed specifically for heavy duty fire service use, with adequate strength and capacity for all components as detailed within these specifications.

The manufacturer shall demonstrate evidence of manufacturing similar custom vehicles for at least fifty (50) years.

The chassis shall be equipped with state-of-the-art technology to not only enhance the operation of the actual apparatus, but to ease the workload of the crew and provide the highest level of safety & survivability, while increasing the longevity and serviceability of the vehicle itself.

The bidder shall provide evidence that they comply with these requirements.

NO EXCEPTIONS WILL BE PERMITTED TO THIS SECTION OF THE DOCUMENT.

GENERAL WARRANTY

Upon delivery, the manufacturer shall provide a three (3) year new vehicle general warranty and is limited to chassis and apparatus systems and components, and excludes engine, transmission, and axles (see additional warranties provided).

All components of the vehicle are warranted for a three (3) year period from vehicle delivery, unless otherwise stated elsewhere.

This warranty is issued to the original purchaser of the vehicle only.

CAB STRUCTURAL WARRANTY

The cab will be warranted against structural defects in material and workmanship under normal use and service for a period of ten (10) years from date of delivery.

BODY STRUCTURAL WARRANTY

The structural stainless steel apparatus body will be warranted against structural defects in material and workmanship under normal use and service for a period of ten (10) years from date of delivery.

PAINT WARRANTY

A Prorated Paint Warranty shall be provided by the manufacturer for a period of up to ten (10) years pending the purchase and selection of the extended warranty period of 5, 7 or 10 years.

The paint finish for the cab and body will be warranted against structural defects in material and workmanship under normal use and service for the first of 36,000 miles or the period specified below:

MES Pumper 22 Premier as Built Specifications

<u>Top Coat and Appearance Gloss, Color Retention, Cracking</u>		<u>Coating System, Adhesion, Flaking, Blistering, Bubbling</u>	
0 to 72 months	100%	0 to 36 months	100%
73 to 120 months	50%	37 to 84 months	50%
		85 to 120 months	25%

To clarify, the chart above does not extend the warranty period for the Paint Warranty beyond the 36,000 actual miles from the delivery date.

PAINT WARRANTY - 5 YEARS

The Paint Warranty shall be provided for a period of five (5) years.

CHASSIS FRAME RAILS WARRANTY

The custom chassis frame and crossmembers will be warranted for the expected life of the vehicle, which the expected life is twenty (20) years from the date of delivery.

BID DRAWING REQUIRED

The bidder shall submit two (2) copies of a D-size (full size) engineered construction drawing with its bid. No bids will be considered without complete engineered construction drawing submitted with the bid. Submitted drawing must be specifically for the proposed apparatus and depict all major specified components.

The drawing shall show the following minimum views:

- Front View
- Streetside with proposed chassis
- Curbside with proposed chassis
- Rear View
- Top View with proposed chassis

The drawing shall contain, but not limited to, the dimensions for the overall length (in feet and inches), overall height (in feet and inches), wheelbase, angle of approach, angle of departure, overall width of the apparatus, hosebed volume dimensions indicating the hosebed width, length, and height.

Submission of "similar to" or "standard" drawings, or statements referencing submission of drawings after award of contract, will disqualify the bid.

No exceptions will be permitted to this section of the document.

MES Pumper 22 Premier as Built Specifications

UL TESTING AND CERTIFICATION:

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

There shall be multiple tests performed by the manufacturer and Underwriter's Laboratories, LLC when the apparatus has been completed. The manufacturer shall provide the completed UL acceptance Test Certificate(s) to the purchaser at time of delivery.

The tests conducted on the apparatus shall include, but not be limited to:

PUMP PERFORMANCE TEST AND CERTIFICATION:

The fire pump and plumbing shall be tested, approved, and certified to comply with all NFPA 1901, Standard for automotive Fire Apparatus, applicable regulations in effect. The manufacturer shall furnish the completed Test Certificate(s) to the purchaser at the time of delivery.

LOW-VOLTAGE ELECTRICAL SYSTEM PERFORMANCE TESTING

The apparatus low-voltage electrical system will be tested and certified.

Tests shall be performed when the air temperature is between 0 degrees Fahrenheit and 110 degrees Fahrenheit (-18 degrees Celsius and 43 degrees Celsius).

The following three (3) tests defined in NFPA shall be performed in the order in which they appear. Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. Failure of any of these tests shall require a repeat of the sequence.

Reserve Capacity Test:

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged.

The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes.

All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure of the battery system.

Alternator Performance Test at Idle:

The minimum continuous electrical load shall be activated with the engine running at idle speed.

The engine temperature shall be stabilized at normal operating temperature.

MES Pumper 22 Premier as Built Specifications

The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

Alternator Performance Test at Full Load:

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed.

The test duration shall be a minimum of 2 hours.

Activation of the load management system shall be permitted during this test.

An alarm sounded by excessive battery discharge, as detected by the system required in NFPA 13.3.4, or a system voltage of less than 11.8 V dc for a 12 V nominal system or 23.6 V dc for a 24 V nominal system, for more than 120 seconds, shall be considered a test failure.

Low Voltage Alarm Test:

Following the completion of the above tests, a Low Voltage Alarm Test will be performed in the manner prescribed.

With the engine shut off, the total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates.

The battery voltage shall be measured at the battery terminals.

The test shall be considered a failure if the alarm has not yet sounded 140 seconds after the voltage drops to 11.70 V for a 12 V nominal system or 23.4 V for a 24 V nominal system.

The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.

DOCUMENTATION:

The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus.

The test results shall consist of the following documents:

- (1) Documentation of the electrical system performance tests
- (2) A written electrical load analysis, including the following:

The nameplate rating of the alternator.

PAINT CODES

Paint Information:

MES Pumper 22 Premier as Built Specifications

Paint Manufacturer: PPG is HME Standard Paint used

CAB EXTERIOR

Single Color:

Primary color: ALF Red

Primary paint code: 71698

RIMS

Color Painted Rims Color (N/A for Aluminum Rims): * N/A

Color Painted Rims Code (N/A for Aluminum Rims): * N/A

BODY EXTERIOR

Color Body Panels Color: * ALF Red

Color Body Panels Code: * 71698

FINAL INSPECTION CONFERENCE

The factory authorized Distributor shall be required, during manufacturing, to have a final completion inspection conference at the site of the manufacturing facility with Three (3) individual(s) from the MES Fire to inspect the apparatus after construction.

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

PUMP AND APPARATUS OPERATION TRAINING

Fire Department personnel will be trained to the use of the entire apparatus including, but not limited to, chassis, fire pump system, the apparatus, and supplied equipment.

The training shall be provided by an Authorized Sales Representative technician who shall remain at the Fire Department for one (1) day (not less than eight (8) hours) to provide instruction to all personnel, or as instructed by the Chief of the Department.

All meals, motels, and travel costs are the responsibility of the successful bidder.

After acceptance of the fire apparatus, the purchaser shall be responsible for ongoing training of personnel to develop and maintain proficiency regarding the proper and safe use of the apparatus and the associated equipment.

CHASSIS FRAME

The frame shall be designed to industry standards. The manufacturer shall provide a lifetime frame side rail warranty to the original purchaser of the chassis. The frame rails shall be 10.50" x 3.50" x .375" heat treated steel.

MES Pumper 22 Premier as Built Specifications

The frame side rails shall have 110,000 psi minimum yield and shall have a minimum section modulus of 18.34 cubic inches calculated by using the square corner shape method. The resulting frame rail resistance to bending moment shall be 2,017,400 inches per pound per rail.

To ensure the maximum clamp load for the fastener prevailing torque the crossmembers shall be bolted in place using grade 8 bolts, hardened washers, and grade C distorted thread locknuts. Flanged head fasteners shall not be acceptable. The top of the frame rails shall be free of bolt heads.

Frame engine cutouts shall be made with a plasma torch to minimize the heat affected zone of the cut. All cutouts shall have a minimum of 6.00 inch transitions between rail flange cut depths to reduce the stress concentrations throughout the cutout area. The root of all transition areas shall have a minimum of a 2.00 inch radius to reduce stress concentrations at the root.

FRAME RAIL FINISH

The main frame rails and main frame cross-members behind the pump shall be galvanized to reduce the effect of harsh road chemicals.

FRAME FASTENERS

Fasteners employed to attach the main frame rails to the main frame cross-members shall be Zinc plated to reduce the effect of harsh road chemicals.

CAB MAIN FRAME CROSSMEMBER

In addition to the rear cab support cross-member there shall be a main frame cross member mounted in the rear cab area. This cross-member shall be a wide base flanged design to provide frame spacing and excellent strength to prevent frame paralleling. Every frame cross-member shall be bolted in place using grade 8 bolts, hardened washers, and grade "C" distorted thread locknuts.

FRONT AXLE

The front axle shall be a Hendrickson STEERTEK™ NXT with an 19,000 lb. capacity.

CRAMP ANGLE

The chassis shall have a turning cramp angle of 45-degrees. Both left and right turns have a full 45° cramp angle with tires and wheels mounted on the axle and installed in the chassis.

The 45°cramp angle is achieved irrespective of options such as front suctions and disc brakes.

FRONT AXLE OIL SEALS

The front axle shall be equipped with oil bath type oil seals as supplied on the axle from the axle manufacturer. The spindles shall be equipped with transparent covers for oil level inspection.

FRONT AXLE DISC BRAKES

MERITOR DiscPlus, EX-225, air disc brakes shall be installed on the front axle. The DiscPlus air disc brakes shall provide improved fade resistance and wet weather performance. The rotors shall be vented to facilitate brake cooling.

MES Pumper 22 Premier as Built Specifications

FRONT AXLE / SUSPENSION, STEERTEK™ NXT (19k GAWR)

The front axle and suspension shall be a Hendrickson STEERTEK™ NXT high-capacity fabricated front steer axle system.

This advanced suspension integration uses parabolic springs to increase wheel travel and lower spring rate for improved ride quality, and proprietary threaded pin bushings to increase roll stiffness. The rigid axle beam has a box-shaped cross section to resist horizontal, vertical, and twisting forces more effectively than I-beam axles. Passive hydraulic dampers are custom tuned for parabolic leaf springs to achieve the ultimate ride and handling. Progressive-rated bump stops handle high dynamic loads without harshness.

This front axle and suspension system shall be designed for heavy duty custom fire apparatus with a maximum capacity of 19,000 lbs.

SHOCK ABSORBERS

Double acting hydraulic shock absorbers are to be installed.

STEERING SYSTEM

The steering shall be equipped with a single SHEPPARD M110 integral power steering gear. The engine shall be equipped with a gear driven pump.

The power steering fluid shall be monitored electronically and shall send a visual warning to the instrument panel when the fluid level falls below normal.

A remote steel reservoir shall be provided with the ability to check and fill the fluid level when the cab is in the raised position.

FRONT TIRES

The front tires shall be Michelin 385/65R22.5 (L) Michelin tubeless radial X Multi HL Z All-Season tread.

The front tire stamped load capacity shall be 22,000 pounds per axle with a nominal speed rating of 68 miles per hour when properly inflated to 120 pounds per square inch.

ALUMINUM FRONT WHEELS

Polished aluminum wheels shall be supplied and installed on the front axle.

WHEEL TREATMENT

The aluminum wheels shall be supplied with wheel treatment for a bright finish and wheel protection.

FRONT WHEEL TRIM

The front axle shall be trimmed with mirror finish, 304L grade, non-corrosive stainless steel 'baby moon' hub caps with an opening for viewing the oil seal cover, and bright finished nut covers.

SINGLE REAR AXLE

The rear axle shall be a MERITOR model "RS-25-160" with a 27,000# capacity for the fire service.

MES Pumper 22 Premier as Built Specifications

MERITOR DIFFERENTIAL

The rear axle shall contain a Meritor 160 Series differential with an 18.00-inch diameter ring gear utilizing hypoid-Generoid gearing and a 2.25 inch diameter axle shaft.

AXLE DIFFERENTIAL LUBE

The axle shall have the initial factory fill made with non-synthetic axle lube meeting the axle manufacturer's recommendations.

REAR AXLE OIL SEALS

The rear axle shall be equipped with premium oil bath type oil seals as supplied on the axle from the axle manufacturer.

REAR AXLE BRAKES

The rear brakes shall be Cam type, 16-1/2" X 7" (419 x 178), S-Cam, air operated heavy-duty brakes for increased stopping power and brake life in severe braking applications.

The "S" cam brakes shall incorporate a double anchor pin design, for stability and smooth consistent stopping. The camshafts shall be heat treated with rolled spline construction.

The rear axle shall be equipped with automatic slack adjusters (ASA) to provide optimum brake performance.

VEHICLE TOP SPEED

The rear axle shall be geared for a top speed of 65 to 68 mph at engine governed RPM.

NFPA TOP SPEED STATEMENT

NFPA-1901, 2016 Edition - 4.15.2: The maximum top speed of fire apparatus with a GVWR over 26,000 lb (11,800 kg) shall not exceed either 68 MPH (105 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

NFPA-1901, 2016 Edition - 4.15.3: If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 MPH (105 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

The speed selected on this apparatus exceeds 60 MPH (105 km/hr) and the customer is aware of NFPA-1901 and the top speed that will be achieved with the finished apparatus.

Truck gearing shall be such to provide for a customer requested top speed at engine governed RPM. If the top speed exceeds NFPA requirements listed above the engine ECM will have road speed limiting programmed so the maximum attainable speed will not exceed that limit. This is field adjustable with Cummins Insite.

MES Pumper 22 Premier as Built Specifications

SINGLE AXLE REAR SUSPENSION

A Reyco Granning Model 79KB rear suspension shall be provided and installed. The suspension system shall have a GAWR of 27,000 pounds.

The suspension shall consist of a multi-leaf parabolic spring pack for increased ride compliance and will be provided with adjustable torque arms and a single piece track rod for added stability and easy alignment.

AIR SYSTEM

An air brake system meeting the requirements of the FMVSS-121 shall be provided. The system shall consist of three (3) reservoirs with a 4,362 cu. in. volume. The air system shall consist of the following components:

Dual air system with dual gauges and a warning light and buzzer. A spring actuated parking brake built into the rear axle brakes with a manual control and warning light the in cab. These shall automatically apply in case of air system failure. A mechanical means of releasing the spring brake shall be provided in the event of total loss of air pressure.

A quick build up system shall be provided, capable of building enough air pressure to release the spring brake in less than thirty (30) seconds, when starting with the entire air system at zero pounds pressure.

The brake system shall be a split system. One (1) system serving the rear brakes and one (1) system serving the front brakes. The two (2) systems shall be connected with a double check valve that shall automatically shuttle air from the front system to the rear system should loss of air pressure occur. This system shall also modulate the amount of air so the spring brakes shall apply in direct relationship to the amount of pressure applied to the treadle valve.

The brake system shall be equipped with a Bendix SR-7 valve to provide modulated spring brakes in the event there is low air pressure in the rear axle air supply reservoir.

The spring brakes shall be piped in such a manner that if the treadle valve is depressed while the spring brakes are applied, the spring brakes shall release and remain released as long as the treadle valve is depressed. They shall reapply immediately when the treadle valve is released.

The piping in the air system shall be 2-ply nylon reinforced color-coded tubing for all stationary lines.

AIR DRYER

The air system shall include a BENDIX AD-9 air dryer.

The air dryer shall have a spin on desiccant cartridge.

The air dryer shall incorporate an integral turbo cutoff valve. The turbo cutoff valve shall close the path between the air compressor and the air dryer purge valve during the compressor "unload" cycle. This shall allow the air dryer to purge the water and contaminants without any loss of turbo boost or engine horsepower.

A 12-Volt heated moisture ejector shall be an integral part of the air dryer. This heater shall be thermostatically controlled. The electrical connection for the heater shall use a sealed electrical connector to protect against moisture and corrosion.

The use of this air dryer increases the base air system volume by 200 cubic inches.

MES Pumper 22 Premier as Built Specifications

MANUAL AIR TANK DRAINS

All air reservoirs shall have manual 1/4 turn drain valves. The drain valves shall be supplied with rubber seats to reduce air system leaks. The reservoir drain valves shall allow the accumulation of contaminants that are collected in the reservoirs to be drained off to the atmosphere.

MERITOR/ROCKWELL/WABCO ABS BRAKE SYSTEM

A four channel, single rear axle model, MERITOR/ROCKWELL/WABCO ABS Braking System shall be supplied.

A frame mounted electronic control unit (ECU) shall monitor and control wheel speed during braking. Wheel sensors, constantly monitoring wheel speed, send information to the ECU. If a wheel begins to lock the ECU transmits an electrical impulse to modulator valves that can apply, release, or hold the air pressure in the brake chambers. The rapid modulation of air pressure prevents wheel lock-up and increases driver control.

This ABS system shall be a 4S/4M system with four (4) wheel speed sensors and four (4) modulator valves.

If a fault occurs in one wheel, that wheel shall have normal (non-ABS) brake function. The other wheels shall continue to provide the ABS function. If the ABS system should fail completely, the brake control shall be returned to normal (non-ABS) braking.

An ABS warning light shall be installed on the driver's dash message center. This warning light shall cycle through a test stage at the point of ignition turn on and remain illuminated until the vehicle reaches approximately four (4) MPH. The light shall illuminate in other conditions to warn of an ABS system failure and shall illuminate when the diagnostic function is activated.

MUD/SNOW SWITCH

The Meritor/Rockwell/Wabco ABS shall be supplied with a mud and snow switch. This switch shall increase the ATC threshold to allow a momentary wheel slip to obtain traction under extreme mud and snow conditions.

MERITOR/WABCO STABILITY ENHANCEMENT SYSTEM

A Meritor / Wabco Roll Stability Control (RSC) System shall be provided on the apparatus chassis. The RSC shall assist in managing road conditions that may result in a vehicle rollover.

The RSC shall intervene to regulate the vehicle's deceleration functions by automatically reducing engine torque, engage the vehicle retarder and apply pressure to the brakes.

Electronic Stability Control (ESC) shall be included building upon the established RSC system by sensing the tendency of the vehicle to spin around and automatically applying the brakes to reduce that risk.

This system conforms to the requirements of NFPA-1901 4.13.1.2 - If the apparatus is equipped with a stability control system, the system shall have at a minimum, a steering wheel position sensor, a vehicle yaw sensor, a lateral accelerometer, and individual wheel brake controls.

MES Pumper 22 Premier as Built Specifications

REAR TIRES

The rear tires shall be Michelin 12R22.5 (H) tubeless radial XDN2 mud/snow tread.

The rear tire stamped load capacity shall be 27,120 pounds per axle with a nominal speed rating of 75 miles per hour when properly inflated to 120 pounds per square inch.

ALUMINUM WHEELS

Four (4) polished aluminum wheels shall be supplied and installed on the single rear axle. The wheels shall be highly polished on the outboard side.

WHEEL TREATMENT

The aluminum wheels shall be supplied with wheel treatment for a bright finish and wheel protection.

REAR WHEEL TRIM

The rear axle(s) shall be trimmed with mirror finish, 304L grade non-corrosive stainless steel "Lincoln Hat" hub cover and bright finished nut covers.

TIRE PRESSURE MONITORING DEVICE

Each tire installed on the apparatus shall be equipped with a tire pressure monitoring device. The device shall consist of a valve stem cap with an LED tire alert to indicate tire pressure conditions. The LED will flash when the tire drops 8 psi below the factory setting.

LASER ALIGNMENT

The chassis shall have a laser alignment performed at the factory before delivery.

Toe In Front Axle - The toe in on a vehicle is set to reduce tire wear and to ensure that the vehicle shall steer in a straight line. Toe in measurements are set to a positive 2.50 millimeters total, giving the vehicle 1.25 millimeters from side to side.

Toe In Rear Axle - The toe in on the rear wheels is set up slightly different in that the axle and wheels are set to ride the "crown" of the road. This is achieved by adjusting the toe to a measurement of no less than 1 millimeter, but no more than 2.00 millimeters. The ideal measurement is 1.50 millimeters total for both sides.

Cramp Angle - Cramp angle is set to achieve the greatest turning radius possible with the selected components of the vehicle. Each front wheel is set to zero degrees. The wheel is then turned until it reaches the steering stops. This measurement is the cramp angle.

DIESEL ENGINE

The chassis shall be powered by a Cummins diesel engine as described below:

MODEL:	L9-450
NUMBER OF CYLINDERS:	Six
BORE AND STROKE:	4.49 in (114 mm) x 5.69 in (145 mm)
DISPLACEMENT:	543 cu. in. (8.9L)

MES Pumper 22 Premier as Built Specifications

MAX HP:	450 hp (336 kW) @ 2100 RPM
TORQUE:	1250 lb.-ft (1696 N-m) @ 1300 RPM
GOVERNED RPM:	2200
CURVE:	FR96230EV

Standard Equipment on the engine to include the following:

OIL FILTER:	A full flow / by-pass combination
LUBE OIL COOLER:	High efficiency non-drainback full flow cooling
FUEL FILTERS:	Two fuel filters providing 3 / 10 micron absolute filtration
STARTER:	12 volt
AIR COMPRESSOR:	A Wabco 18.7 cfm compressor shall be provided

ENGINE COOLANT RADIATOR

The engine coolant radiator shall have sufficient capacity to perform under the engine manufacturer installation requirements. The chassis manufacturer shall demonstrate the ability to meet this requirement with the submittal of an approved IQA to the fire department for the apparatus.

This radiator shall have HRPOS top and bottom tanks. These tanks shall have a material thickness of 11 gauge. The top and bottom tanks shall be attached to the header assemblies with a minimum of forty (40) fasteners. These fasteners shall not exceed a center distance of 1.938 inches to reduce the possibility of tank leaks. These fasteners shall be torqued to a value of 29.5 ft-lbs.

The header plates shall be made of 16-gauge brass.

The radiator tubes shall be constructed of .0066 inch thick brass and have a dimensional size of .076 inch x .625 inch. These radiator tubes shall have welded tube seams.

The radiator shall contain three (3) rows of tubes arranged in an inline profile across the radiator core. The entire radiator shall contain (231) tubes. These tubes shall have a smooth bore to allow for radiator cleaning.

In the critically stressed area, where the radiator tubes are attached to the header plates, this joint shall be accomplished with a welding process on the coolant side. In addition to the welded joint a solder fillet joint shall occur on the air side of the core creating a continuous dual bond.

The radiator shall have a louvered serpentine type core that contains fins constructed of .0024 inch thick copper. These fins shall be spaced to a maximum density of 14 fins per inch of radiator tube. Each fin shall have a louvered surface for high cooling efficiency.

The radiator shall contain an integral coolant de-aeration tank. This tank shall be designed to remove entrapped air or gas from the coolant side of the radiator.

The radiator side rails shall have integrally designed support gussets for the transition to the header attachment.

The bottom tank of the radiator shall have a drain valve for coolant removal.

The bottom tank of the radiator shall have a transmission cooler with a plate-type design. The plates shall have internal turbulators to break up laminar oil flow across the surface. The cooler shall have 1311 square inches of surface area for water surface contact and heat transfer.

MES Pumper 22 Premier as Built Specifications

The radiator system shall be pressurized with a cap rated per the cooling system requirements of the specific engine manufacturer.

The high efficiency engine fan shall be encompassed with a radiator shroud to provide the proper air flow from the fan blade to the radiator.

The perimeter of the radiator shall have recirculation baffles to eliminate the possibility of recirculation of "hot" air to the face of the radiator core. The bottom of the radiator shall have a recirculation baffle from the radiator to the frame rails.

COOLANT RECOVERY SYSTEM

A coolant recovery system shall be installed on the chassis. This tank is designed to capture coolant overflow when the engine coolant warms and expands. As the engine cools the overflow is then pulled out of the tank and back into the radiator, thus maintaining proper coolant levels.

CHARGE AIR COOLER RADIATOR

The engine charge-air cooler shall have sufficient capacity to perform under the engine manufacturers installation requirements. The chassis manufacturer shall demonstrate the ability to meet this requirement with the submittal of an approved IQA to the fire department for the apparatus.

This radiator shall have cast aluminum side tanks. These tanks shall have a material thickness of .200. These tanks shall be attached to the charge-air core with the ALBRAZE construction technique.

The external air fins shall be louvered serpentine and constructed of .006 inch thick aluminum.

The internal air fins shall be of the lance-and-offset design for greater air turbulence and higher efficiency. The internal fins are to be constructed of .010 inch thick aluminum.

The charge-air cooler shall be mounted directly in front of the engine coolant radiator. To reduce vibration rubber "iso" mounts shall be used for mounting the charge-air cooler to the engine radiator.

The charge-air cooler shall contain thermal expansion slots to allow the expansion and contraction of the charge-air core over the wide range of temperatures that are expected in operation.

The charge air piping between the engine and charge-air cooler shall be aluminum tubing with a wall thickness of .065 inch. The system shall utilize four (4) ply silicone rubber woven Nomex hoses with stainless steel pressure bands. These bands are designed to maintain the hose shape under the pressure of the turbocharger boost air. All clamps used on the charge air piping are to be stainless steel constant torque and shall be installed at each joint.

LONG LIFE COOLANT

The coolant system shall contain a mixture to keep the coolant from freezing to a temperature of -34 degrees F.

The coolant supplied shall be Long Life Coolant compatible with the engine manufacturer's requirement.

MES Pumper 22 Premier as Built Specifications

COOLANT HOSES

The entire chassis cooling system shall have premium rubber hoses. All clamps to be stainless steel worm drive type clamps.

COOLANT SYSTEM CLAMPS

Single wire constant torque clamps shall be used for all cooling system hoses.

HEATER LINE SHUT OFF VALVES

The heater circuit shall have quarter turn shut off valves installed on both the supply and return lines to allow a complete shut off of coolant flow to the cab heaters in hot seasons of the year. These valves shall be installed in addition to the valves in the heater unit(s).

ENGINE AIR INTAKE FILTER

The engine shall be equipped with a Cummins Fleetguard heavy duty air filter. The filter shall be easily field serviceable.

ENGINE OIL

The engine shall have the initial factory fill made with a non-synthetic engine oil meeting the engine manufacturer's recommendations.

ENGINE BRAKE

A "JACOBS" Engine Brake shall be supplied.

The Driver shall have an on/off and a high/low engine brake control switch. Activation of the engine brake shall occur at zero throttle position. The transmission ECU shall be programmed to operate in the pre-select downshift mode to maximize the retarding power of the engine brake.

The brake lights shall illuminate when the Jacobs Brake is in operation.

The Jacobs Brake shall be inoperative when the chassis is in pump mode.

The "JACOBS" engine brake shall be covered under the standard five (5) year Cummins engine warranty.

ENGINE FAST (HIGH) IDLE

The chassis shall be equipped with an Electronic Idle Control (EIC) for the electronic engine. Preset speed is factory adjustable.

The fast idle provision shall only function when the parking brake is set and the transmission is in neutral. Manual selection of the fast idle shall be controlled by a driver's momentary switch.

Automatic activation of the fast idle shall occur when a low voltage condition exists, the truck is in neutral and the parking brakes are applied.

MES Pumper 22 Premier as Built Specifications

Cancellation of the fast idle shall be achieved by resetting the manual switch or by depressing the service brake pedal.

AUXILIARY ENGINE COOLER

The cooling system shall have one (1) SENDURE auxiliary engine cooler mounted in the upper radiator water pipe. The apparatus shall have the fire pump water circulated to the cooler from a valve located on the apparatus pump panel.

SPARK ARRESTOR

A spark arrestor shall be installed to the chassis air intake system. This arrestor shall be affixed to the inlet of the air cleaner housing mounted above the radiator to filter out airborne embers.

FAN DRIVE

A fully variable fan drive system shall be installed on the engine. Variable operation is required to reduce fan noise and improve response time and lower off-speed for maximum efficiency. Control of the fan operation is entirely from the engine and fan ECM with no manual override controls.

EXHAUST SYSTEM

A single exhaust pipe shall be provided for the engine. The exhaust pipe shall be supplied with a heat wrap. The wrap shall extend from the engine turbo charger to just below the frame rail.

The exhaust tubing from the turbocharger to the exhaust after treatment device shall be stainless steel.

CUMMINS AFTERTREATMENT SYSTEM

The chassis shall be equipped with a compliant Cummins exhaust after treatment system.

TAILPIPE

The tailpipe shall extend from the exhaust muffler/aftertreatment device to the rear of the vehicle making a 90° bend to exit the vehicle ahead of the rear tires on the curbside of the vehicle. The end of the pipe shall be cut square or perpendicular to the exhaust pipe centerline.

The pipe shall be unpolished stainless steel.

An exhaust gas diffuser shall be furnished on the end of the tailpipe.

DIESEL EXHAUST FLUID SYSTEM

The chassis shall be equipped with a five (5) gallon Diesel Exhaust Fluid (DEF) reservoir system.

The reservoir shall contain a Multifunctional Head Unit (MFHU) that contains integrated level and temperature sensors. The MFHU also shall contain a coolant powered heater to thaw DEF in conditions below 12°F (-11°C) to meet governmental regulations.

The reservoir shall be located on the left frame rail behind the front axle beneath the cab. The mounting system shall use stainless steel mounting brackets to reduce the possibility of corrosion.

MES Pumper 22 Premier as Built Specifications

TRANSMISSION

The transmission shall be an Allison 3000EVS automatic transmission with electronic controls.

The transmission shall be equipped with a lock-up control circuit that shall automatically shift the transmission into 4th gear lock-up when the pump is shifted into gear.

TRANSMISSION COOLER

An automatic transmission cooler shall be provided as an integral part located in the bottom tank of the radiator. It shall be designed to withstand 165 psi working pressure and an intermittent pressure of 250 psi. The cooler shall be of sufficient size to maintain the operating temperature within the recommended limits of the transmission manufacturer.

TRANSMISSION FLUID

The transmission shall be provided with heavy-duty transmission fluid meeting Allison specification TES-389.

FIVE SPEED PROGRAMMING

The transmission shall be programmed for five speeds.

First - 3.49
Second - 1.86
Third - 1.41
Fourth - 1.00
Fifth - 0.75
Reverse - 5.03

The transmission shall be able to shift from first through fifth gear without operator intervention. The chassis shall be geared for the top speed in 5th gear.

AUTOMATIC NEUTRAL

The transmission shall be provided with circuitry to provide automatic neutral. Setting the parking brake commands the transmission to neutral when the park brake is applied, regardless of drive range requested on the shift selector. Requires re-selecting drive range to shift out of neutral.

After the transmission has been activated with the automatic neutral feature the shift lever must be returned to neutral and back to drive for midship pump operations.

REMOTE FLUID LEVEL SENSING

The chassis shall be equipped with an electronic low fluid level indicator system for the engine oil, transmission oil, engine coolant and power steering fluid as part of the instrumentation package. This system eliminates the need for daily checking of fluid levels with manual dipsticks.

Coolant over temperature sensors are only capable of sensing excessive coolant temperature caused by clogged radiators, malfunctioning thermostats, failed water pumps or any other "circulation" problem. Upon

MES Pumper 22 Premier as Built Specifications

loss of coolant, however, these temperature sensors must try to respond to hot air which, being a poor thermal conductor, results in signals that arrive only after the engine is severely damaged.

In a like manner, under leaking oil conditions low oil pressure signals are not obtained until the oil pump is starved for oil. Since the oil pump draws liquid from the very bottom of the crankcase pan, these signals arrive only after virtually all oil has been lost. Again, the damage has already occurred.

The liquid level sensor provides an early warning that fluid is being lost and allows corrective action to be taken before damage can occur. By using a sensor to turn on an indicator light, the low fluid level condition is communicated immediately to the operator.

ENGINE COOLANT

The coolant level sensor is located in the upper radiator reservoir. The corresponding LED indicator light is included in the display module.

ENGINE OIL

The engine oil sensor is in the engine oil sump. It monitors the oil level at approximately the 50% level. The corresponding LED indicator light is located to the right of the instrument panel at the engine enclosure console in clear view of the driver.

POWER STEERING FLUID

The power steering fluid sensor is located in the power steering fluid reservoir at the same level as the "Add" indicator on the dip stick. The corresponding LED indicator light is located to the right of the instrument panel at the engine enclosure console in clear view of the driver.

FUNCTION

The LED indicator lights will illuminate when the ignition is placed in the ON position as a test to insure that the warning circuits are working. They will go out when the starter button is pressed if normal fluid levels are detected. One or more of the lights staying on indicates a low fluid level in the corresponding system(s). Any time the engine is ON and a low fluid level is detected, the appropriate light will illuminate. The sensor output will reset when the ignition is turned off.

TRANSMISSION OIL

The transmission oil sensor is in the transmission oil sump. The fluid level indicator is integrated into the shift selector. Accessing the fluid level status is dependent upon the style of shift selector provided.

The transmission fluid level status is accessed through the "mode" function of the shift selector controls. First, park the vehicle on a level surface, shift to N (Neutral), and apply the parking brake. If equipped with a pushbutton shift selector, simultaneously press the Up and Down arrow buttons. If equipped with a lever shift selector, press the display mode button one time. A code will be displayed on the shift controls indicating that the oil level is HI, LO or OK. If the level is HI or LO, the display will also indicate the number of quarts of oil necessary to be added or removed to bring the oil level into the OK range. It may also display an error code that explains why fluid level information is not available. The fluid level check may be delayed until the following conditions are met:

MES Pumper 22 Premier as Built Specifications

- The fluid temperature is above 60°C (140°F) and below 104°C (220°F).
- The transmission is in N (Neutral).
- The engine is at idle.
- The transmission output shaft is stopped.
- The vehicle has been stationary for approximately two minutes to allow the fluid to settle.

See the Care and Maintenance section of the transmission Owner's Manual for a more detailed description of the fluid check procedure along with a complete list of error codes.

DRIVELINES

Universal joints and driveshafts shall be SPICER 1760 series or equal. The driveshaft tube shall be a minimum of 4.09" diameter with a .180" tube wall thickness. The driveshaft slip joints shall be coated to reduce sliding friction and thrust under high torque loads. Permanent driveline installations shall be balanced to prevent vibration.

FUEL TANK

The fuel tank shall have a capacity of 50 gallons (US) and be D.O.T. certified. It shall be mounted with stainless steel straps bolted to the bottom frame flange to allow for easy removal. The tank construction shall be of 12-gauge steel with single fuel pickup and return tubes. The baffled tank shall be vented to prevent low vacuum and facilitate rapid filling.

The tank shall have a 2.00-inch NPT fill to the driver's side of the chassis.

The fuel tank sending unit is to be mounted to the driver's side of the fuel tank for easy replacement without removing body panels.

FUEL LINES

Polyamide fiber, nylon braided, reinforced tubing with push-on reusable fittings shall be provided for the chassis fuel lines.

FUEL SHUT-OFF VALVE

A, ball type, fuel line shut off valve shall be installed in the suction side fuel line. The shut off valve shall be located near the inlet to the primary fuel filter.

FUEL/WATER SEPARATOR

The Cummins engine shall be equipped with an integrated fuel / water separator with a self-venting bottom drain valve. This filter shall be able to remove up to 95% of dissolved water and up to 99% of free-standing water.

ALTERNATOR

A 415 Amp NIEHOFF alternator shall be installed on the engine. The alternator shall be regulated by a remote mounted regulator.

MES Pumper 22 Premier as Built Specifications

FIRETRUCK CAB

The apparatus shall be designed to operate in emergency conditions. These conditions require the apparatus to maneuver into confined areas, and operate at prolonged periods of time, under extreme circumstances. To facilitate these operations a cab-over-engine design is required in order to reduce the overall length and turning radius of the apparatus thus increasing the maneuverability.

The cab design must be such to provide safe and efficient transport of emergency personnel. The cabin shall be designed with four (4) side doors of the largest size possible and with a grab handle and step arrangement to provide ease of entry and egress.

There shall be up to ten (10) positions available for occupant transport pending cab configuration. The number of seats and seating locations are described in detail later in this document.

The apparatus cab shall be of the latest in automotive design, styling and appearance.

CAB MATERIALS AND CONSTRUCTION

The extruded aluminum cab shall have the following material gauges as a minimum:

- Cab floor - 3/16 inch (.190 inch) aluminum
- Front skin - 3/16 inch (.190 inch) aluminum
- Cab side panels - 3/16 inch (.190 inch) aluminum
- Cab rear wall - 3/16 inch (.190 inch) aluminum
- Cab driver's floor - 3/16 inch (.190 inch) aluminum
- Cab officer's floor - 3/16 inch (.190 inch) aluminum
- Cab crew area floor - 3/16 inch (.190 inch) aluminum
- Cab roof - 3/16 inch (.190 inch) aluminum
- Cab doors - 3/16 inch (.190 inch) aluminum

Roof Rail Section: Extending from the front to the rear of the cab, above the doors, the cab shall have an extruded aluminum section. This section shall be designed to interlock with the roof sheet and incorporate the door drip molding in one single piece.

Upper Transverse Member: Amid ship in the cab there shall be a boxed beam header assembly located transverse in the cab from left to right.

Front Door B-Post: This vertical box section of the cab located behind each of the front doors provides the slam post for the door latch assembly. This section also is a main member in the cab skeletal system. The B-Post ties into the Upper Transverse Member to provide torsional stiffness in the open space design of the cab.

Rear Door D-Post: The box assembly design of the rear door D-post provides an anchor for the rear door latch assembly. This section is the main vertical support at the cab rear corner providing the anchor point for the rear wall structural lattice network.

Roof Panel Rails: The roof panel sub-assembly shall have extruded hat section supports bonded to the roof skin. These roof hat sections shall be joined to the Cab Roof Rail Section to complete the upper cab skeletal structure. These completed Roof Panel Rails shall provide a grid for maximum roof crush and deflection strength. The roof shall support a minimum weight of 250 lbs. / sq. ft. without permanent roof deformation.

MES Pumper 22 Premier as Built Specifications

Rear Wall Rails: The rear wall assembly shall have extruded hat section supports bonded to the wall skin. These sections shall be joined to the Roof Panel Rails and to the rear door slam post and floor provide a rear wall grid structure with maximum strength.

Cab Front Wall: The front wall of the cab shall be designed with a double wall construction to reduce the effects of exterior noise in the crew and operator compartment.

CAB DIMENSIONS

The cab shall have the following dimensional requirements:

- Overall Width - 100.00 inches
- Roof - 12.00 inches Raised
- Center of front axle to back of cab - 60.00 inches
- Center of front axle to front of cab - 74.00 inches
- Windshield area - 4,200 sq. in. minimum
- Front grille opening - 478 sq. in. minimum
- Combined side grille opening - 84 sq. in. each minimum
- Cab full tilt angle - 45 degrees minimum

The cab interior shall have the following dimensional requirements:

- Drivers side floor width - 22.50 inches minimum
- Floor to the ceiling in the driver and officers area of the cab - 59.50 inches minimum
- Floor to the top of the engine enclosure - 28.00 inches maximum
- Officers side floor width - 24.50 inches minimum
- The measurement across the floor from the rear wall to the first vertical portion of the engine enclosure - 43.25 inches and the floor width from step well to step well shall be no less than 84.00 inches
- Floor to the ceiling in the rear of the cab - 65.50 inches minimum

CAB DOORS

The cab entry and egress shall be designed for a firefighter in full turnout gear. Each door shall open a minimum of ninety degrees to afford the firefighter maximum space.

The doors shall be of a flush design each having exposed, one-piece, polished stainless-steel hinges. The hinge shall be made of 12-gauge material with a minimum hinge pin diameter of 1/4 inch.

The door windows shall have interior and exterior glass weather seals to prevent the influx of exterior air.

The doors shall have exterior and interior paddle type latches for ease of opening with a gloved hand. The paddle latches are to have a rubber gasket, on the outside, separating the handle from the finished painted surface.

FRONT DOORS-FULL LENGTH

The cab front doors shall be of the full-length design enclosing the entire step area of the cab. The doors shall be a minimum of 38.75 inches wide by 75.00 inches high. Each door shall have a roll down window with a minimum glass viewing area of 773 square inches per door. There shall be a fixed piece of forward glass in each of the front doors.

MES Pumper 22 Premier as Built Specifications

REAR CAB DOORS-FULL LENGTH

The rear cab doors shall be similar to the forward doors and shall be located directly behind the front wheel well area. These doors shall be 34.00 inches wide by 88.00 inches high. Each door shall have a roll down window with a minimum glass viewing area of 670 square inches per door.

INTERIOR DOOR LOCKS

All doors shall have door locks with interior controls and exterior keyed door locks. The installation shall be in conformance with FMVSS 206, with specific adherence to 49 CFR 571.206 Section 4.1.3 requiring that "Each door shall be equipped with a locking mechanism with an operating means in the interior of the vehicle". All doors shall be keyed alike. The doors shall be equipped with appropriate safety interlocks to prevent accidental locking of the doors when closed.

CAB GLASS

AS-1 safety laminate glass shall be used in a two piece, wrap around design with a minimum of 3760 square inches of windshield area for maximum visibility. The windshield shall have the style of a one-piece assembly with the practical installation of two pieces for lower replacement cost. The windshield shall be readily available from a nationally recognized automotive glass manufacturer that maintains local distribution outlets.

All glass shall be tinted.

All fixed glass shall be installed with a one-piece triple locked rubber lacing material. Due to long term appearance two-piece chrome trim lock lacing is not desired.

SUNVISORS

The driver and officer side of the cab shall be equipped with a sun visor. The vinyl covered visors shall be a minimum of 19.00 inches by 7.00 inches.

DRIVER SIDE ELECTRICAL CABINET

An electrical cabinet designed to house the main battery electrical disconnect and facilitate the installation of an onboard battery charger or battery conditioner, shall be provided under the driver's seat. A bolt on limited access; aluminum spatter painted hatch, shall be installed on the front side of the seat riser. The access hatch shall have a louvered section to provide air circulation to the cabinet.

WINDSHIELD WIPERS

Two speed electric pantograph wipers shall be installed. These wipers shall have a minimum of 24.00 inch blades and have 28.50 inch wet arm electric pump washers. A 70-ounce minimum windshield washer reservoir shall be furnished.

FASTENERS

All cab exterior fasteners shall be stainless steel type fastened to the cab with nutserts.

MES Pumper 22 Premier as Built Specifications

BATTERY ACCESS

The rear cab steps shall have a removable kick panel, providing access to the batteries for routine maintenance and inspection.

CAB CORROSION TREATMENT

The cab shall have a corrosion preventative material conforming to Mil Spec C-16173-C, Grade 1, applied during and after construction. A 10-year warranty against perforation due to rust or corrosion shall be furnished for the cab.

TRANSMISSION SELECTOR

The transmission shall be controlled by a push button type shift control. It shall be internally illuminated for night operation.

TRANSMISSION OIL LEVEL SENSOR

The transmission shall be equipped with the oil level sensor (OLS). This sensor shall allow the operator to obtain an indication of the fluid level from the shift selector. The sensor display shall provide the following checks, correct fluid level, low fluid level and high fluid level.

EXTERIOR DOOR HANDLES - BRIGHT FINISH

The cab exterior door handles shall have a bright anodized finish.

CAB STEPS

There shall be cab entry steps with an upper and lower step at each entry door position.

INTERIOR CAB STEP TRIM

The cab steps shall be enclosed behind each entry door. The lower step shall be sealed from the underside of the cab to reduce road splash from entering the step area while the vehicle is in motion. The horizontal upper step surfaces shall be integral to the cab and shall be covered with bright aluminum tread plate. The lower cab steps shall be constructed from stainless steel Laser Grip material, meeting the requirements of NFPA-1901.

The vertical toe kick surface area of the upper cab step wells shall be covered with aluminum tread plate.

CAB ENTRY STEPS - BRIGHT FINISH

The cab entry steps shall have a bright finish.

LOWER STEP LIGHT

There shall be an amber LED light provided and installed in the outboard facing bottom flange of each cab step.

DEF FILL ACCESS

The left rear crew step area shall have hinged access to fill the DEF tank without raising the cab.

MES Pumper 22 Premier as Built Specifications

HEATER / DEFROSTER

A 57,600 BTU heater with a three (3) speed fan shall be mounted in the front of the cab, centered over the windshield. This heater shall have six (6) adjustable vents to assure windshield defogging.

45,000 BTU AIR CONDITIONING

A climate control system shall be furnished in the cab. The system shall consist of a 45,000 BTU air conditioning evaporator and 33,400 BTU heater centrally located on the forward slope of the raised roof.

The system is to have a 13.1 cu. in. minimum compressor mounted on the engine to provide the compressed refrigerant to the system. The compressor is to be plumbed to a heavy duty truck, triple fan air conditioning condenser mounted on the cab roof. The condensing unit shall have an aerodynamic shroud that is painted to match the color of the cab roof. There shall be an extended life filter receiver/dryer with a pressure relief valve installed to protect the system from contaminants, moisture, and high pressure. It is to have a sight glass for visual inspection and ease of service.

The evaporator shall have an externally equalized expansion valve and be thermostatically protected to prevent freeze up. Dual high performance 3-speed blowers shall provide a minimum of 650 CFM air flow. Each blower is to be controlled separately. Eight (8) downward facing adjustable diffusers with shutoff capability shall be utilized to direct the air flow through the cab.

The air conditioning controls, on/off switch, thermostat control, and blower switches shall be located on the climate control display module within reach of the driver.

The climate control system shall utilize both automatic and manual control methods.

The climate control display's system standby screen shall maintain all of the climate control functions OFF.

The climate control display's automatic operation screen shall allow the user to select a desired temperature and the climate control system shall automatically choose the temperature mode (cool or heat) and the fan speed (low, medium or high) to maintain the desired temperature.

The climate control display's manual operation screen shall allow the user to set the temperature mode (cool or heat) and the fan speed (low, medium or high) as desired.

CAB INSULATION

Foam rubber type insulation shall be installed in the rear wall and the cab ceiling to provide a better sound and heat barrier. The insulation shall be a minimum of 1" thick. The material shall be compliant with FMVSS-302.

EMI/RFI PROTECTION

The apparatus shall incorporate the latest designs in the electrical system with state-of-the-art components to insure that radiated and conducted electromagnetic interference (EMI) and radio frequency interference (RFI) emissions are suppressed at the source.

The apparatus proposed shall have the ability to operate in the environment typically found in fire ground operations with no adverse effects from EMI/RFI.

MES Pumper 22 Premier as Built Specifications

EMI/RFI susceptibility is controlled by utilizing components that are fully protected and wiring that utilizes shielding and loop backgrounds where required. The apparatus shall be bonded through wire braided ground straps. Relays and solenoids that are suspect to generating spurious electromagnetic radiation are diode protected to prevent transient voltage spikes.

In order to fully prevent radio frequency interference, the purchaser shall be requested to provide a listing of the type, power output, and frequencies of all radio and bio medical equipment that is proposed to be used on the apparatus.

BATTERY BOX TRAY - STAINLESS STEEL

The battery box trays shall be stainless steel to reduce the corrosive potential of the tray. The battery hold down and brackets and hardware shall also be made of stainless steel.

BATTERY BOX COVER - STAINLESS STEEL

To reduce road spray a stainless-steel cover shall be installed on each battery box.

BATTERY JUMPER STUDS

Battery jumper studs shall be provided on the chassis. The jumper studs shall be mounted underneath the cab, on the rear of the driver's side battery box. The studs shall be connected to the chassis batteries with 1/0 color coded cables, red for the positive cable and black for the negative cable. The studs shall be protected with color coded plastic covers when not being used.

BATTERY BANK

A single battery system shall be provided, utilizing four (4) high cycle type Group 31 batteries.

This system shall be capable of engine start after sustaining a continuous 150 Amp load for 10 minutes with the engine off (NFPA-1901).

A battery disconnect switch (Rated at not less than 450 Amps continuous) shall be used to activate the system and provide power to the power panel. A green pilot light shall illuminate to indicate that the 1 battery bank is activated.

BATTERY CABLES

All battery wiring shall be "GXL" battery cable capable of handling 125% of the actual load. It shall be run through a heat-resistant flexible nylon "HTZL" loom rated at a minimum of 300 degrees Fahrenheit. All cable connections shall be machine crimped and soldered.

STARTING CIRCUIT

One (1) engine start button is to be located on the lower right dash panel. It shall be wired to heavy duty solenoid rated at not less than 1100 amps. The battery indicator light is to be located directly above the start button to indicate that the battery bank is on.

MES Pumper 22 Premier as Built Specifications

BATTERY POWER BUS BARS

There shall be solid copper bus bars utilized for the direct connections between batteries. These bus bars shall be nickel plated for corrosion resistance and provided with color coded heavy shrink tube between the batteries for short circuit protection.

BATTERY ON INDICATOR LIGHT

A steady burning blue Whelen OS Series LED shall be mounted on the driver's dash facing forward to be seen from outside the front of the cab. The light is to illuminate whenever the battery switch is in the on position and the parking brake is set.

BATTERY CHARGER

A Kussmaul Chief Series Auto Charge 4012, 40 Amp, Triple Battery Bank Charger with onboard display shall be installed for charging the batteries. Automatic sensing of the battery condition shall stop charging when the batteries are fully charged.

The charger shall be installed behind the driver's seat in the cab.

The charger shall include the following features:

Dual Battery Type Technology – allows for two (2) dissimilar battery chemistry charging at the same time. Accommodates Flooded, Gelled Electrolyte, AGM, Odyssey®, Lithium Iron Phosphate (LFP), and customized.

Parasitic Load Compensation (PLC) – allows for user input of total accessory load amps on the vehicle. This allows the charger to shift the absorption stage set point, so the battery voltage drops to the float voltage when the desired current is reached.

Configurable for 3-step or float charging.

REMOTE CONTROL PANEL

A KUSSMAUL 091-266-RCP remote control panel shall be provided.

REMOTE CHARGE INDICATOR LOCATION

The remote charge indicator shall be located on the driver's seat box adjacent to the master battery switch.

SHORELINE AUTO-EJECT

A KUSSMAUL Super Auto Eject, model 091-55-20-120-XX, with weatherproof cover shall be provided.

The Super Auto Eject is to be completely sealed when the cover is closed to prevent internal contamination of the working components.

The internal switch arrangement of the Super Auto Eject shall be designed to close and open the 120-Volt AC circuit after the mating connector is inserted and before the shoreline outlet connector is ejected. This design shall prevent arcing at the connector contacts to provide long life.

MES Pumper 22 Premier as Built Specifications

The electrical connection shall be provided as a 120-Volt AC - 20 Amp type using a NEMA 5-20P connector.

ELECTRICAL INLET COVER

The Auto-Eject cover shall be a Kussmaul 091-55-XX model.

ELECTRICAL INLET COVER COLOR

The Auto-Eject cover shall be yellow in color.

ELECTRICAL INLET LOCATION

The Auto Eject assembly shall be mounted on the exterior of the cab behind the driver's door.

ENGINE ENCLOSURE

To reduce the noise in the cab the engine enclosure metal on the inside of the cab shall be completely covered with Acoustiblok sound isolation material. The material shall be sealed at all seams with acoustical sealant.

The engine enclosure inside the cab will be padded with an additional layer of sound and heat absorbing foam and covered with heavy duty vinyl trim upholstery to match or accent the interior of the cab.

The underside of the engine enclosure shall be covered with a sandwiched material for interior cab noise and heat rejection. This sandwiched acoustical material shall have one layer of 1/8" foam, a 3/16" single barrier septum and a 7/8" layer of foam to provide an overall thickness of 1-3/16". The sandwich material shall be chemically bonded to prevent layer separation. A finished surface treatment of metalized film shall be provided on the engine side of the barrier. The acoustical barrier shall be held in place with mechanical fasteners in addition to adhesive.

The insulation for protection from heat and sound shall keep the dBa level within the limits stated in the current edition of NFPA 1901.

CAB DOORS - INTERIOR TRIM

To provide durability the interior of the cab doors shall be finished with full length aluminum panel that is finished with spatter paint.

INTERIOR CEILING PADDING AND TRIM

The cab front interior ceiling shall have a one-piece, removable, vinyl headliner to cover all wiring and tubing used for lights and antenna leads.

REAR WALL COVERING

The rear interior wall of the cab shall have a two-piece, removable, wall covering to finish the interior trim, cover all wiring and tubing used for lights and antenna leads.

FLOOR COVERING

MES Pumper 22 Premier as Built Specifications

The front and rear floor areas of the cab shall be covered with "HUSHCLOTH" sound barrier floormats. This floormat shall be a three-ply material with a 3/16" thick open cell isolation barrier of Polyurethane, a 3/32" thick closed cell Nitrile mid barrier for section reinforcement, and a 1/16" thick embedded pebbled grain wear surface.

REFLECTIVE MATERIAL - INTERIOR CAB DOORS

The cab front and crew doors shall have a SecuriTrim chevron installed inside each door. The reflective material shall be red/yellow-green diamond grade 3M 983.

STEERING WHEEL AND COLUMN

The steering wheel shall be an 18.00-inch diameter, leather wrapped 4-spoke wheel.

The center area of the steering wheel will house the driver's air bag, DOT horn, and / or air horn-siren controls as described elsewhere in these specifications.

The steering column shall be a Douglas tilt / telescopic type with an integral high beam / turn signal control switch. The column shall have self-canceling design for the turn signal switch. A 4-way warning "Hazard" light switch shall be mounted on the column.

The turn signal arm will also contain the windshield wiper controls, providing on/off, intermittent, and timed control of the wipers. The wipers will have an auto park feature.

The steering column shall also house the driver's knee air bags if specified.

A lever on the left side of the steering column shall control the tilt / telescope feature.

There shall be a rubber boot installed to cover the steering shaft from the dash to the floor.

GRAB HANDLES

One (1) molded grab handle shall be installed on the driver's side on the A Post.

One (1) additional molded grab handle shall be installed inside the cab. The handle shall be located on the officer's side on the A Post.

Two (2) additional molded grab handles shall be installed in the cab. These handles shall be located one each side on the B Posts side of the crew area doors.

RADIO COMPARTMENT WITH DOOR

Beneath the officer's seat there shall be a radio compartment with interior dimensions of 19.50 inches wide x 17.00 inches long x 7.00 inches high.

This compartment shall have a diamond plate door mounted on a piano hinge.

COMPARTMENT OPEN LIGHT

MES Pumper 22 Premier as Built Specifications

A Red Open Compartment Flashing Light, Whelen OS Series LED shall be mounted on the driver's side face of the overhead panel.

A black flange is to be supplied with the light.

This light is wired with a flasher to the power panel for completion to circuit on the body.

The light circuit shall be wired so that the light circuit is deactivated when the parking brakes of the apparatus are applied.

A label shall be applied adjacent to the light '**DOOR OPEN**'.

CAB DOME LIGHTS

There shall be six (6) Whelen Model CREGCS 6.00-inch round dome lights provided and installed in the cab ceiling.

The lights shall have dual red and white, fade to off, LED elements.

One (1) each, inboard, near the driver and officer and the four (4) remaining lights shall be mounted above each riding position on the crew cab ceiling, evenly spaced side to side across the ceiling and centered on the cab entrance doors.

CAB DOME LIGHTING ACTIVATION

The cab dome lights shall be controlled in the following manner:

- Individually, red or white light, via a switch on the light.
- All lights, red or white, via a switch in the driver's overhead console
- All lights, red or white, based on switch position, by opening any cab door.

CAB FLOOR LED STEP LIGHTING

The floor of the cab shall be trimmed with a ribbed aluminum extrusion. The extrusion shall protrude approximately .75 inches over the floor area to provide a mounting channel and guard for an LED integrated light.

The LED lighting shall illuminate the step area of the cab and all step lights shall be illuminated when any door is opened and the battery selector switch is in the on position.

The lighting shall be operable in either white or red depending upon control circuitry.

LIGHT - ACTIVATION

The lighting shall be activated by opening a cab door.

DRIVER'S OVERHEAD SWITCH PANEL

MES Pumper 22 Premier as Built Specifications

There shall be a switch panel provided and installed above the driver's seating position. The panel shall be ergonomic molded with rocker type switches with dimmable backlighting. The switches shall be clearly labeled.

The following switch controls shall be provided (left to right):

Top Bank:

Switch 1: Engine Regeneration Inhibit
Switch 2: Engine High Idle
Switch 3: Interior Cab White Lighting
Switch 4: Ground Lights
Switch 5: Head Lights
Switch 6.: Dash Dimmer Up

Bottom Bank:

Switch 1: Engine Regeneration Start
Switch 2: Mirror Heat
Switch 3: Interior Cab Red Lighting
Switch 4: Mud & Snow ATC Disable
Switch 5: Parking Lights
Switch 6: Dash Dimmer Down

DRIVER'S & OFFICER'S RUGGED DASH CONSOLE

The housings for the driver's instrumentation and the officer's side dash housing shall be rugged metal fabrications.

The fabrications shall be provided with a black textured, powder-coated finish.

The apparatus is expected to operate in adverse conditions and have a long-life cycle.

OFFICER'S SIDE GLOVE BOX

There shall be two (2) glove box storage slots provided at the officer's side of the dash. The openings face the officer and shall measure approximately 4.50 inches high x 14.00 inches wide by 11.00 inches deep with a 15-degree angle to restrain stored items.

INSTRUMENTATION AND CONTROLS

An ergonomically designed instrument panel shall be provided. The instrument panel shall have a black textured anti-glare surface finish. The instrument panel shall be secured with mechanical fasteners to provide easy access for servicing.

A self-diagnostic message center shall be included above the steering column in the instrument panel and the provided gauges shall have red LED backlighting for enhanced visibility.

When the 'on' initial ignition sequence is initiated a lamp check function shall illuminate and sequence the drivetrain warning light indicators. The self-diagnostic message center shall display a warning if data link communications are lost.

MES Pumper 22 Premier as Built Specifications

The instrument panel shall include the following gauges and indicators.

- Electronic speedometer with LCD odometer
- Electronic tachometer
- Engine Coolant Temperature gauge with warning light and buzzer
- Engine Oil Pressure gauge with warning light and buzzer
- Transmission Fluid Temperature gauge, with warning light and buzzer
- Two (2) air pressure gauges, each with warning light and buzzer
- Voltmeter with low voltage warning light and buzzer
- Fuel Level gauge
- DEF Level gauge
- High Beam indicator light
- Parking Brake set light
- Turn Signal indicator lights
- Low Level Power Steering Fluid indicator light
- Low Level Windshield Washer Fluid indicator light

The engine control panel is to be located beneath the instrument panel, to the left side of the steering column. The panel shall have a black textured anti-glare surface.

The engine control panel shall include the following:

- Keyless ignition switch with a green pilot light
- Engine start button

The apparatus control panel is located beneath the instrument panel, on the right side of the steering column. The panel shall have a black textured anti-glare surface. The apparatus control panel is designed for the location of pump shift controls, if applicable.

AUDIBLE TURN SIGNAL REMINDER

There shall be an audible alarm that shall sound when the turn signal remains flashing for a distance greater than one mile. The reminder shall not sound when the hazard lights are operating.

AUDIBLE LIGHTS ON REMINDER

There shall be an audible alarm that shall sound when the headlight switch is left in the on position and the ignition is off. The alarm shall self-cancel after 2 minutes of operation.

AUDIBLE PARKING BRAKE REMINDER

There shall be an audible alarm that shall sound when the parking brakes are NOT set, and the ignition is turned off. This alarm shall self-cancel after 2 minutes.

The Parking Brake reminder shall sound an audible alarm when the parking brakes are set and an indicated speed of over two miles per hour occurs.

DUAL TRIP ODMETERS

MES Pumper 22 Premier as Built Specifications

There shall be two (2) trip odometers in the driver's information center. Each shall be capable of independent operation and reset. They shall be labeled Trip1 and Trip2 when the trip mileage is shown in the LCD panel.

SPEEDOMETER ACTIVATED IN PUMP MODE

The speedometer and odometer shall be activated while in pumping mode.

LOW FUEL LIGHT

A "Low Fuel" warning light and alarm shall be installed in the dash message center. This light shall illuminate when the apparatus fuel level reaches 25% of the fuel remaining.

TRANSMISSION OVERHEAT WARNING LIGHT

A transmission oil temperature light with alarm shall be provided on the dash message center.

LOW VOLTAGE WARNING

A low voltage indicator light shall be installed on the dash message center. An alarm and the dash indicator light shall activate when the system voltage drops below 11.8 volts.

AIR CLEANER RESTRICTION INDICATOR

An air cleaner restriction indicator shall be installed in the driver's message center. The indicator shall provide visual warning when a high air restriction condition exists for a minimum of 4 seconds.

LOW COOLANT WARNING

Low coolant warning shall be accomplished through the engine electronics to provide driver warning via the engine stop warning light.

FORWARD ENGINE ENCLOSURE CONTROL CONSOLE

There shall be a rugged metal fabricated control console with a black textured, powder-coated finish provided and installed on top of the engine enclosure. The console shall be designed in such a manner as not to adversely obstruct the drivers view.

The console shall be provided with a removable access cover for servicing and designed with three (3) distinct surfaces (driver, officer, and center) to provide maximum visibility and access to equipment and controls mounted at the engine enclosure.

There shall be a sixteen (16) place switch panel provided and installed that is accessible to the driver position. The panel shall have ergonomic molded, rocker type switches with dimmable backlighting. The switches will be clearly labeled.

The panel shall include a master warning light control switch to allow for pre-selection of response mode functions. The switch shall be red in color.

The remaining switches shall be programmed and labeled as required for components specified in the specifications.

MES Pumper 22 Premier as Built Specifications

There shall be a four (4) place switch panel provided and installed that is accessible to the officer position. The panel shall have ergonomic molded, rocker type switches with dimmable backlighting. The switches will be clearly labeled.

The switches shall be programmed and labeled as required for components specified in the specifications.

There shall be dedicated mounting areas at the center position of the engine enclosure console provided for the following equipment, if applicable:

- Electronic Siren mounting location
- 2-way Radio mounting location
- Traffic Director lighting control mounting location
- Intercom controls mounting location

PARKING BRAKE CONTROL VALVE

The parking brake control valve shall be in the driver's dash engine control panel.

STORAGE TRAY AND CUP HOLDERS

There shall be a storage assembly with cupholders provided on top of the engine enclosure.

The storage area shall include two (2) open recessed storage trays with approximate dimensions of 4.00 inches wide by 8.00 inches long.

To the rear of the storage trays there shall be two (2) recessed single cup holders, one (1) within reach of the driver and one (1) within reach of the officer. The cupholders shall be sized to fit a 32 oz Nalgene bottle or similar.

The storage assembly shall be constructed from metal and have a black powder coated finish.

USB/USB-C CHARGING PORT

There shall be two (2) 4.2 amp USB-A and USB-C charging ports provided and installed in the cab. One (1) shall be installed in the driver's area of the cab and one (1) shall be installed in the officer's area of the cab.

The power point shall be wired to switched battery power with the appropriate wire size and fuse.

TEMPERATURE MONITOR

A Kussmaul Temperature Module shall be installed in the driver's area of the cab. The module shall have a built-in LED indicator to show the outside temperature in either °F. The monitor display will blink at 32°F to indicate the roads may be icy.

MULTIPLEXED ELECTRICAL SYSTEM

MES Pumper 22 Premier as Built Specifications

The apparatus shall be equipped with a Class-One Multiplex system. This system shall consist of a SuperNode (main control unit) that communicates by Controller Area Network (CAN) to various input/output(I/O), and Power Distribution modules(PDM).

The multiplex system shall provide advanced diagnostic capabilities to assist in troubleshooting the electrical system of the apparatus. Troubleshooting can be done using info display and/or a computer connected to the main control unit.

CAN is a J-1939 data bus that provides a wired data bus for the SuperNode to communicate with various modules, engine, and transmission.

The multiplex system consists of one or more of the following components:

- SuperNode—This is the main control unit where the program resides, and all logic, load management, reporting and diagnostics is performed. The SuperNode has a built-in Vehicle Data Recorder (VDR). This unit has connections for CAN, inputs, high current outputs, high current power, computer access for VDR, programming and diagnostics.
- PDM—This I/O module has inputs and outputs that can drive high current capable outputs. It provides information such as Input status and output current status. All output current is monitored and controlled by the SuperNode.
- I/O Modules—These modules can be a combination of I/O or independent inputs or outputs. The current output is typically less than the SuperNode or PDM.
- VDR—In addition to the VDR built into the SuperNode, a seat input monitor shall be used along with information from the power train via J1939 shall be collected and stored in the SuperNode. This information can be downloaded to a computer via USB cable.
- Display—This will provide status of seats and belts, various alarms, access to specific settings and a visual view of I/O.

CHASSIS COLOR CODED WIRING

All wiring shall be color coded and continuously marked with the circuit number and function shall fully meet NFPA and SAE requirements. Various wire colors will be used to identify circuits along with the circuit number permanently marked on the wire at no more than 6" intervals.

All wiring shall be covered in nylon heat resistant "HTZL" loom rated at a minimum of 300 degrees F exceeding the heat requirements of NFPA-1901.

The chassis cab, engine and transmission shall be electrically bonded to the chassis frame rails with braided ground straps.

ELECTRICAL SYSTEM CONNECTORS

Where needed or required, all connectors shall be of the automotive type and suitable for the purpose and environment. These connectors shall become mechanically locked and sealed when mated.

All single wire terminations requiring special connectors such as a ring terminal shall be crimped and covered with adhesive heat shrink tubing. Fork terminals are shall not be allowed. **NO EXCEPTIONS.**

INFORMATION DISPLAY MODULE

MES Pumper 22 Premier as Built Specifications

The Information Display Module for displaying text, warnings and diagnostics. The information Display Module shall allow the fire department to access and change load management shedding priority and maintenance text listing the routine maintenance items and lubrication capacities on the apparatus. For displaying text, warnings and diagnostics. The total engine run time in hours shall be displayed.

USB PROGRAMMING PORT

There shall be a cable connected to the Supernode that is routed to the underside of the driver's dash. The cable shall terminate in a USB bulkhead connection with a protective cover.

A label shall be applied adjacent to the connector.

HAAS ALERT R2V COLLISION PREVENTION SERVICE

HAAS Alert Model Number "HA-7" shall be provided and installed.

The device shall be constructed of high strength, impact resistant, RoHS compliant ASA plastic, thermoplastic elastomer, IP65 water resistant, and vibration resistant. The device shall have a LTE modem capable of communicating with local cellular networks and a GNSS antenna for GPS positioning.

Real-time cellular V2V (vehicle-to-vehicle) connectivity shall be capable of alerting drivers of emergency vehicles at risk of collision to alert the apparatus of other responding emergency vehicles. Secure HAAS Alert *Safety Cloud*® integration shall be provided, offering real-time communication with motorists via in-dash infotainment and IVI (In-vehicle Infotainment) units, Waze and other popular consumer navigation applications. HAAS Alert R2V will provide a companion web-based dashboard containing visual apparatus location, response data, and reporting.

The device shall be installed so that the "trigger" wire is engaged whenever the E-Master is activated. Constant +12V power wire shall be "ON" at all times. The device shall have an automatic "sleep" mode whenever the apparatus power source falls below ~12.2V. The unit shall be mounted in the overhead access panel.

A three (3) year subscription of data monitoring and transfer shall be provided. After three (3) years it will be the responsibility of the end user to renew the subscription to continue data service.

HAAS ALERT RESPONDER-TO-RESPONDER ALERTING

The HAAS Alert system shall include the Responder-to-Responder (R2R™) feature with the three (3) year subscription provided.

The R2R alerts shall notify Fire and EMS crews when other Safety Cloud-equipped vehicles are in active response mode and are imminently approaching the same intersection. A set of lights attached inside the vehicle will alert operators that a potential collision is imminent, providing critical warning to slow down.

CAB AIR PURIFICATION

A USSC Active Air Purification System with PHI Cell Technology shall be provided and installed. The system shall be installed in the crew area of the cab and will be active anytime the master battery switch is in the "ON" position.

The system shall provide purification of the air inside the apparatus.

MES Pumper 22 Premier as Built Specifications

System Construction

The unit shall contain a PHI Cell using a UVC light with a quad-metallic hydrophilic catalyst to generate H₂O₂ and reactive oxygen species (ROS) to sanitize against various microbial species. The system shall produce H₂O₂ at 20 to 50 parts per billion (PPB) to sanitize the atmosphere inside the apparatus. The system shall be properly sized per application to support virus and bacteria kill rates. The unit shall be stand-alone and contain its own airflow mechanism, with a stainless-steel outer housing. The expected PHI Cell life shall be no less than one (1) year. The unit shall be environmentally friendly and not emit direct UVC outside of the unit. The system shall not generate H₂O₂ levels above 0.1 ppm (1/10 of OSHA limits of 1 ppm) in the installed apparatus.

System Certification/Testing

The system shall be 3rd party tested to system components. The manufacturer must be ISO 9001:2015 certified. The system shall meet all applicable sections of IEC 61373:2010 for shock and vibration, and SAE J1455 for electrical specifications.

Electrical Wiring/Function

The system will be 12 VDC powered from the switched vehicle battery power. The system will draw a maximum of 1.5 amps and have a 5-amp integrated fuse in the wire harness or a circuit breaker as determined by the vehicle manufacturer.

System Operating Conditions

The unit shall be resistant to dust particles normally found in apparatus.

The unit shall be permitted to operate at any time with or without occupants in the cab and shall pose no harm to the occupants from H₂O₂, Ozone, or UVC light. **NO EXCEPTIONS**

BACKUP CAMERA

There shall be an ASA Audiovox video system provided on the apparatus.

BACK-UP CAMERA MONITOR

The color monitor shall be manufactured by ASA.

The 7.00 inch color LCD monitor contains a water proof housing, circuit protection, backlit controls, integrated audio speaker, NTSC and PAL video signal compatible, 3-camera inputs, manual (pushbutton) or automatic (trigger) source selection, auto power on (standby) day / night brightness modes, on screen display (OSD) for AV source, picture adjustment and volume level, non-volatile memory for picture and volume adjustment settings, anti-glare / anti-scratch protective lens, detachable sunshield.

MONITOR LOCATION

The monitor for the back-up camera shall be mounted in an overhead position visible to the driver.

REAR CAMERA - COLOR - HIGH PERFORMANCE

MES Pumper 22 Premier as Built Specifications

There shall be supplied a color, heavy-duty high-resolution observation camera.

The back up camera system shall be powered when the vehicle's transmission is placed into reverse.

CAMERA LOCATION

The back-up camera shall be mounted at the rear of the apparatus beneath the hosebed.

12Vdc POWER POINT

There shall be two (2) 12 Volt, socket (cigarette lighter) type, receptacles each with a rubber plug provided and installed in the cab.

One (1) shall be installed in the driver's area of the cab and one (1) shall be installed in the officer's area of the cab.

The power point shall be wired to switched battery power with the appropriate wire size and fuse.

120-VOLT AC WIRING

All 120-Volt AC wiring shall be wired to the shoreline connection, circuit protected with the proper wire size to handle the current shall be provided.

These circuits are provided for low amperage requirements of hand held chargers for radios and accessories.

CIRCUIT TERMINATION LOCATION

There shall be two (2) 120-Volt AC power circuits that shall terminate in the center of the cab on top of the engine enclosure.

ELECTRICAL OUTLET

The electrical outlet shall be a NEMA 5-20, rated at 120-Volt AC, 20-Amp, duplex straight blade receptacle.

POWER SOURCE

The 120-Volt AC power circuit shall be wired from the cab shoreline connection.

PUBLIC BROADCAST RADIO

The cab shall be equipped with an AM/FM Stereo Radio and four (4) ceiling mount recessed speakers.

The radio shall be a Jensen JHD910BT model that shall include the following features:

- Waterproof
- uV and Corrosion Resistant
- Electronic US/Euro AM/FM Tuner
- 30 Programmable Presets (12 AM, 18 FM)
- Non-Volatile Memory for User Settings and Preset Memories
- 7-Channel NOAA Weather Band

MES Pumper 22 Premier as Built Specifications

Weather Alert
Bluetooth Ready
Auxiliary Audio Input
2-Channel Amplified Audio Output
Backlit Controls with Selectable Illumination Color
Daylight Readable Display
Clock with 30-day Backup Power
Work Timer
Audible Beep Confirmation Tone

ANTENNA

The antenna shall be a JAN139 6.00 inch Rubber mast top JENSEN Antenna to withstand mobile audio environments with its heavy duty design.

The antenna shall be mounted to the front of the cab on the officer's side roof.

RADIO LOCATION

The radio shall be mounted in the overhead headliner within reach of the driver.

ROAD SAFETY KIT

One (1) 2-1/2# ABC DOT Approved fire extinguisher shall be provided. The fire extinguisher shall be shipped loose with the chassis.

One (1) set of DOT approved hazard triangles shall be supplied with the chassis. They shall be stored in a plastic case and shipped loose with the chassis.

CAB CRASHWORTHINESS TEST

Dynamic tests shall be performed to evaluate the crashworthiness of the proposed vehicle cab configuration to the requirements of NFPA 1901-09 section 14.3.2.

Cab roof strength shall be tested utilizing the dynamic preload criteria from SAE J24221 paragraph 5 specifications and procedures.

Front impact strength integrity shall be tested utilizing SAE J24202 with ECE R293 Annex 3 paragraph 4 equivalent energy.

Quasi-static roof strength shall be based on SAE J2422 paragraph 6 and ECE R293, paragraph 5 specifications and procedures.

A letter of certification shall be provided upon request by the department.

EXTERIOR GRAB HANDLES

MES Pumper 22 Premier as Built Specifications

There shall be extruded aluminum 24.00 inch grab handles mounted with stanchions at each door position. Molded rubber gaskets shall be installed under the grab handles to protect the painted surface of the cab.

RED WARNING LIGHT, CAB HANDRAILS

The rear door cab handrails shall contain red integrated LED lighting. The lighting shall be integrated into the grab bar, directed toward the rear of the apparatus. The LED lights shall flash with the emergency warning lights.

AMBER SIDE TURN SIGNAL, CAB HANDRAILS

The front door cab handrails shall contain amber integrated LED lighting. The lighting shall be integrated into the grab bar, directed toward the rear of the apparatus. The LED lights shall flash with the directional signals.

EXTERIOR GRAB HANDLES - BRIGHT FINISH

The cab exterior grab handles shall have a bright anodized finish.

FRONT GRILLE

A stylized three-dimensional stainless-steel front grille shall be installed on the cab face.

The front grille shall be equipped with a radiator rock guard, behind the grille to assist in preventing damage to the radiator core.

The cab shall have one (1) engine air intake on the driver side of the cab, one (1) engine hot air exhaust on the officer side of the cab.

These openings shall be covered with a honeycomb wire screen, and a stainless steel grille.

CAB GRILLES - BRIGHT FINISH

The cab front grille and side grilles shall have a bright finish.

CAB ICC MARKER LIGHTING

Five (5) amber Whelen OS Series LED cab face mounted clearance lights shall be supplied, mounted above the windshield.

Two (2) amber Whelen OS Series LED side clearance lights shall be supplied, one (1) each side mounted ahead of the front door.

An amber diamond shaped reflector shall be mounted on the lower corner of each cab front door adjacent to the door hinge.

CAB ICC MARKER LIGHTING - BRIGHT FINISH

These lights are to be mounted in a chrome flange.

HEADLIGHTS

MES Pumper 22 Premier as Built Specifications

Four (4) rectangular hi performance LED headlights shall be supplied, two (2) each side on the front of the cab, in a bezel assembly. Each headlight housing shall include an integrated halo ring lamp around the outer edge.

When the parking brake is released and the master battery switch is in the on position, the low beam head lamps shall be illuminated.

HEADLIGHTS - POSITION

The headlights shall be in the upper position.

HEADLIGHTS - BRIGHT FINISH

The headlights shall have a chrome bezel.

TURN SIGNALS

Two (2) rectangular Whelen 600 series LED turn signal lamps shall be mounted in a separate bezel outboard of the front headlights one (1) each side. These lights shall be amber in color with a populated arrow.

LENS COLOR

The lenses shall be clear in color.

LIGHT HOUSING - BRIGHT FINISH

These lights shall be mounted in a chrome plated bezel.

CAB MUDFLAPS

Mud flaps shall be installed behind the front tires. These mud flaps shall be a minimum of 22" wide to protect the underneath of the cab and body.

CAB GROUND LIGHTING - LED

There shall be one (1) white LED strip light in an armored extrusion shall be mounted beneath each cab door. These lights shall be designed to provide illumination on areas under the driver and crew riding area exits.

All cab ground lights shall automatically activate when any cab door is opened.

REARVIEW MIRRORS

Mekra Lang Aero mirrors shall be provided and installed, one (1) on each side of the cab, with a break-away bracket.

The flat glass head shall be heated and remote control. Below the flat mirror there shall be a convex head.

The mirror heads shall have a smooth chrome plated high impact non-metallic housing.

CAB SIDE WINDOWS

MES Pumper 22 Premier as Built Specifications

Two AS-2 tempered glass, fixed side windows, 26-1/2" high x 16" wide shall be furnished, one on each side behind the forward doors. All glass shall be tinted. These windows shall be installed with a one-piece triple locked rubber lacing material.

ELECTRIC WINDOWS

The four (4) roll-down door windows shall be equipped with electrically operated mechanisms to control the opening and closing of the windows. The controls shall be with a momentary switch in each door.

Three (3) additional switches shall be supplied in the driver's door to control all four (4) of the power windows from the driver's position.

POWERED DOOR LOCKS

The cab doors shall be supplied with powered door locks. Each door shall have a switch to lock or unlock the doors.

There shall be a remote switch mounted to the underside of the officer's side battery box tray in the event the doors are accidentally locked.

WINDOW TINTING

The cab side, crew door and, (cab rear if equipped) windows shall have GRAYLITE II tint (9% visible) to provide privacy and to assist in reducing the amount of heating inside the cab due to direct sunlight and unwanted glare.

UNDER CAB ENGINE MAINTENANCE LIGHT

One (1) LED engine maintenance light shall be supplied beneath the cab. This light shall illuminate automatically when the cab is tilted to the full tilt position.

STAINLESS CAB FENDERETTES

To reduce road splash on the cab sides, stainless steel fenderettes shall be installed around each the wheel opening.

STAINLESS CAB FENDERETTES - POLISHED FINISH

The cab fenderettes shall have a polished finish.

EXTERIOR REAR WALL DIAMOND PLATE OVERLAY

The cab exterior rear wall shall be covered with a single sheet of bright aluminum tread plate to protect the back of the cab from scratches.

CAB TILT SYSTEM

MES Pumper 22 Premier as Built Specifications

The cab shall tilt a minimum of 45 degrees for ease of serving. Tilting shall be accomplished by means of a tilt pump connected to two (2) heavy duty lift cylinders. It shall be equipped with a positive locking mechanism (service lock) to hold the cab in the full tilt position. Release of the service lock shall be by means of a pull type cable assembly. The cylinders shall have a velocity fuse at the base to prevent the cab from falling in the event of a hydraulic hose failure. The cab shall be capable of tilting 90 degrees for major engine service, if necessary. The 90 degree cab tilt shall be accomplished by removing the cab cylinder pins, removing one bolt in the steering shaft, and removing the front bumper and treadplate.

The cab shall have a three (3) point cab locking system. To prevent undue stresses in the cab, the cab mounting shall incorporate a five (5) point load mounting system.

The front cab pivot/lock assemblies shall utilize four (4) radially loaded, bonded rubber, axial mounts. These mounts shall have a maximum radial load rating of 925 pounds each and a torsional rating of 25 lbs-in/deg. Two one (1) inch diameter cab pivot pins shall be installed at the front of the cab.

The rear cab lock shall be center point mounted to prevent normal twist of the chassis from affecting the cab mounting, cab structure and windshield areas of the cab. This rear cab lock shall be mounted on a chassis crossmember to provide a stable platform for the locking system. The cab lock shall be mounted to a baseplate that is fastened to rubber isolators to reduce road noise and provide additional movement of the cab lock. This locking system shall automatically open prior to the cab tilting and automatically relatch when the cab is lowered completely into the travel position.

Two (2) outboard frame mounted urethane "V" blocks shall be provided at the rear of the cab. These dual purpose mounts shall align the cab upon lowering as well as provide non-latching support for the cab in the down position. With this system, extreme chassis twist shall allow the cab to move independently of the rear cab supports, reducing the structural stress damage often caused by outboard dual cab locking systems.

An electric-over-hydraulic cab tilt pump shall be supplied. This pump shall have a remote control for cab tilting operation. The control shall be "safety-yellow" in color.

A manual backup shall be provided for use in the event of electrical failure.

CAB TILT INTERLOCK

The cab lift system shall have a cab tilt interlock. The cab tilt shall not be able to be activated unless the master battery switch is in the on position with the parking brake set.

BACK-UP ALARM

A solid-state electronic backup alarm shall be installed on the rear of the apparatus and wired to the backup light circuit and shall activate when the transmission is placed into reverse mode.

INTERIOR FINISH

The interior of the cab shall be painted with spatter paint, solid black in color. Black spatter paint is selected for ease of repairs when the interior is scratched.

The cab metal finish shall be covered with one coat of base self-etching primer to fill the small surface imperfections.

MES Pumper 22 Premier as Built Specifications

Then the interior of the cab is to be blocked and a coat of sealer-primer is to be sprayed to the interior finish.

Next a sealer primer is applied and will be sanded to a smooth finish ready for final color coat application.

Two (2) coats of finished paint are to be applied to a final thickness of 4 mills.

The sun visors shall be supplied black in color.

HEADLINER COLOR

The interior headliner of the cab shall be black in color.

REAR WALL COLOR

The interior rear wall covering of the cab shall be black in color.

FLOOR COLOR

The interior flooring material of the cab shall be black in color.

DOOR PANEL COLOR

The interior door panel material of the cab shall be black in color.

CAB EXTERIOR FINISH

The exterior doors and all fixed cab glass are to be removed from the cab prior to the paint and body process beginning.

The final finish of the cab shall be to fire apparatus standards; exhibiting excellent gloss durability and color retention properties.

PREPARATION

The removal of all contaminants and oxidation is essential to the final effect of a finish system, the cab shall be precleaned with a Wax and Grease Remover and prior to evaporation, towel dried.

To remove all oxidation and foreign materials, the cab shall be sanded with a 180 grit abrasive using an orbital type disc sander.

All weld marks and other major surface imperfections shall be filled with a polyester type body filler, prior to body filler application special attention shall be given to the areas requiring filler again sanding and cleaning.

The body fillers shall be thoroughly mixed in accordance with the manufacturer's directions.

After the final coat of filler is sanded, spray polyester shall be applied in sufficient amounts as to provide a final base and sanded with abrasive paper.

PRECLEAN

Within 45 minutes of pretreat the cab must be again washed with a Wax and Grease Remover using a "Scotch brite pad". Towel dry prior to evaporation.

MES Pumper 22 Premier as Built Specifications

Special precaution shall be taken NOT to saturate any polyester body fillers with the cleaning solvents.

PRETREAT AND PRIMERS

The pretreat and primer applications shall be made in two independent steps. A combined pre-treat/primer one product application shall not be allowed as a substitute.

The prepared substrate shall be pretreated with an acid curing 2-component Transparent Primer. This pretreat shall be designed to provide corrosion protection and to create an adhesive bond between the substrate and the surface applications.

It is critical that the body fillers not receive a saturation of solvents associated with the pretreat application. Only the pretreat over spray resulting from product application to the adjacent metal areas should be allowed to come in contact with the body fillers.

All polyester body fillers are porous and shall absorb liquids. Solvents when absorbed not only soften but shall create swelling of the polyester filler. After sanding and later shrink the fillers shall create blemishes in the painted surfaces.

Prior to complete primer application, each area with applied body fillers be precoated with a 2-dry applications of primer (sander surfacer) of which shall be allowed to "Touch Dry" between coats. This procedure shall isolate the filled areas and protect them from subsequent product applications.

The primer (sander surfacer) shall be a poly-acrylic resin, zinc and chromate free surfacer that is designed to create a superb surface smoothness, increase the depth of color, and insure top coat gloss.

The cab after pretreat and precoat shall be primed with a 3 to 4 medium applications of a Hi-Build Tintable Surfacers.

To create a finish base that meets the rigid requirements of the fire and emergency service; the primed surface shall be dry sanded smooth thus removing all texture and surface imperfections with a 320 grit (minimum) sanding abrasive.

FINISH AND COLOR COATS

The color coat application shall consist of two to three applications of acrylic urethane color coat. After the color coat has been applied, the cabs shall be sprayed with 1.5 to 2.0 mills of clear coat finish. The clear coat finish is then sanded and buffed to remove any imperfections that can occur during the application of the color coat.

The final finish shall be free of dirt and sags and shall meet a minimum grade of 7 when compared to the "ACT" general orange peel standards by "ACT" Laboratories, Inc. Of Hillsdale, MI.

The final sanding and buffing of the clear coat shall result in a flat / glass like finish. The clear coat shall also provide a UV barrier to prevent fading and chalking.

PPG brand urethane materials will be used for the cab exterior paint.

DRIVER'S SEATING POSITION

MES Pumper 22 Premier as Built Specifications

The seat shall be H.O. Bostrom, Sierra 500, ABTS, with air ride suspension, high back seat with 5" of fore and aft slide adjustment. The seat shall have adjustments for height and ride with up to 3" of vertical travel. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

OFFICER'S SEATING POSITION

The seat shall be H.O. Bostrom, Tanker 500 Series Self-Contained Breathing Apparatus (SCBA) type seat with a fixed bottom cushion and a pivoting head rest. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

SCBA FILLER PADS

The SCBA seat is to have a filler pad installed to provide a smooth back for the firefighter when the air breathing apparatus is not in use.

SCBA SEAT BRACKET

There shall be an H.O. Bostrom SecureAll™ self-contained breathing apparatus bracket mounted into the seat cavity.

CREW AREA - REAR FACING LEFT OUTBOARD SEAT POSITION

The seat shall be H.O. Bostrom, Tanker 500 Series Self-Contained Breathing Apparatus (SCBA) type seat with a fixed bottom cushion and a pivoting head rest. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

SCBA SEAT BRACKET

There shall be an H.O. Bostrom SecureAll™ self-contained breathing apparatus bracket mounted into the seat cavity.

CREW AREA - REAR FACING RIGHT OUTBOARD SEAT POSITION

The seat shall be H.O. Bostrom, Tanker 500 Series Self-Contained Breathing Apparatus (SCBA) type seat with a fixed bottom cushion and a pivoting head rest. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

SCBA SEAT BRACKET

There shall be an H.O. Bostrom SecureAll™ self-contained breathing apparatus bracket mounted into the seat cavity.

CREW AREA - FORWARD FACING LEFT INBOARD SEAT POSITION

The seat shall be H.O. Bostrom, Tanker 500 Series Self-Contained Breathing Apparatus (SCBA) type seat with a fixed bottom cushion and a pivoting head rest. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

SCBA SEAT BRACKET

MES Pumper 22 Premier as Built Specifications

There shall be an H.O. Bostrom SecureAll™ self-contained breathing apparatus bracket mounted into the seat cavity.

CREW AREA - FORWARD FACING RIGHT INBOARD SEAT POSITION

The seat shall be H.O. Bostrom, Tanker 500 Series Self-Contained Breathing Apparatus (SCBA) type seat with a fixed bottom cushion and a pivoting head rest. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

SCBA SEAT BRACKET

There shall be an H.O. Bostrom SecureAll™ self-contained breathing apparatus bracket mounted into the seat cavity.

FORWARD FACING SEAT RISER

The center forward facing seat(s) shall be installed on a powder coated aluminum riser. The front of the seat riser will be open without a restraint system to provide a location for storage of small lightweight gear.

SEAT COVERING MATERIAL

The seats shall be covered in gray black Durawear™, a high strength-wear resistant, waterproof fabric.

SEAT BELT WARNING LABELS

The cab shall be equipped with two (2) seat belt warning labels. These labels are to be in full view of the occupants in the seated position.

HELMET RESTRAINTS - CAB MOUNTED

(6) Zico UHH-1 helmet restraint(s) shall be shipped loose for installation by the Fire Department.

CAB SEAT LOGO/SEAT BELT COLOR

The seats shall be provided with HME-Ahrens Fox standard logos. All seatbelts shall be red in color.

VEHICLE DATA RECORDER

The Apparatus shall be equipped with a Class1 "Vehicle Data Recorder" (VDR) that is connected to the power train CAN (Controller Area Network) bus consisting of transmission (TCM), engine control (ECM) and antilock brake (ABS) modules mounted on the apparatus.

The VDR will function as defined by NFPA utilizing the power train's J1939 data.

The VDR data shall be downloadable by USB cable to a computer using either Microsoft™ or Apple™ Operating Systems using Class 1/ O.E.M. supplied reporting software.

SEAT BELT WARNING SYSTEM - MONITOR

MES Pumper 22 Premier as Built Specifications

Mounted in the overhead console in the driver's area the indicator system shall indicate seat belt use for each individual seating position when the seat is occupied, the seat belt remains unfastened and the parking brake is released.

IMMI 4FRONT SUPPLEMENTAL FRONT AIRBAG SYSTEM

The cab shall have a safety system designed and qualified by a 3rd party testing facility to protect occupants in the event of a frontal impact, and shall include the following:

- A supplemental restraint system (SRS) sensor. The sensor shall activate all pyrotechnic devices when a must fire event occurs. The SRS sensor shall perform real time diagnostics of all critical subsystems and shall record inputs immediately before and during a frontal impact event. An indicating light shall be visible on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side air bag shall be mounted in the steering wheel and is designed to protect the head and upper torso of the occupant, when used in combination with the 3-point seat belt.
- A driver side knee bolster air bag shall mount under the dash panel and around the steering column to protect the legs of the occupant, when used in combination with the 3-point seat belt.
- A passenger side knee bolster air bag shall be mounted in the panel, below the dash to protect the occupant legs when used in combination with a 3-point seat belt.

Both driver and passenger seating positions shall utilize buckle pretensioners to remove the slack and position the belted occupants in a frontal impact event.

FRONT BUMPER

A stainless-steel bumper shall be provided to the full width of the cab.

BUMPER EXTENSION

The front frame extension shall be bolted directly to the main rail. The extension and main rail joint shall have a 3/8" thick side plate for reinforcement. The completed apparatus must be able to be lifted at the front bumper without structural damage to the front extension for towing of a disabled vehicle.

The front bumper face shall extend 24 inches ahead of the front face of the cab skin.

FRONT JUMPLINE DISCHARGE

A 1-1/2" discharge shall be located at the front bumper. The front discharge shall be plumbed using 2" stainless steel pipe and wire reinforced high pressure hose coupled with stainless steel fittings.

The front discharge outlet shall have a 2" quarter-turn swing out valve with the control located on pump operator's panel.

The front discharge at the bumper shall be provided with a 2" to 1-1/2" polished stainless steel, 90° swivel adapter with 1-1/2" NST male outlet.

The discharge swivel shall be located to the officer side of the center hosewell on the top of the gravelshield.

MES Pumper 22 Premier as Built Specifications

The swivel shall be located so the pivot is vertical allowing for 360° rotation of the swivel.

AUTOMATIC DRAIN VALVE

One (1) Class 1, 3/4" automatic drain valve shall be supplied.

TOW HOOKS

Two (2) chromed tow hooks shall be provided and shall be attached directly to the front frame extension under the bumper. These tow hooks shall be attached with two Grade 8 bolts with hardened washers and Grade "C" distorted thread locknuts.

GRAVELSHIELD

A gravelshield shall be installed filling the area above the extension rails. This gravelshield shall be constructed of .125" thick NFPA non-skid, non-skid, aluminum treadplate. The gravelshield shall be supported at the front by the top flange of the steel bumper. At the rear, the gravelshield shall be supported by a steel substructure.

BRIGHT FINISH GRAVELSHIELD

The gravelshield shall have a bright finish.

CENTER HOSEWELL

A hosewell shall be mounted between the bumper extension rails in the center of the gravelshield. The hosewell shall be constructed of 11-gauge stainless steel. The hosewell shall be 31-1/2" wide x 9-1/2" deep x 19-1/2" front to back.

HOSEWELL COVER

The center hosewell shall include a diamond plate hinged cover. The cover shall be notched to provide clearance for pre-connected jumpline's to be stowed in the hosewell. A pair of stainless lift latches shall be used to open the lid with a gas shock to hold the lid in the open position.

HOSEWELL COVER

The hosewell cover shall have a bright finish.

LIGHTING - CENTER HOSEWELL

The interior of the center hosewell shall be illuminated with a white LED light strip. The light strip shall have an aluminum extrusion to protect the light from damage. The light shall illuminate when the ground lights are activated on the apparatus.

OPEN GRATE MAT - HOSEWELL

The floor of the hosewell shall be covered with black colored, open grate mat for improved ventilation.

FRONT BUMPER UNDERBODY LIGHTING

MES Pumper 22 Premier as Built Specifications

There shall be one (1) 36.00-inch white LED strip light in an armored extrusion provided at bottom of the center of the front bumper.

All underbody ground lights shall be switched on when the parking brake is set and the apparatus is running with the master battery switch in the "ON" position.

AIR HORNS

Dual stutter tone air horns shall be recessed into the front bumper, one each side immediately outside of the frame rails.

AIR HORN IGNITION CONTROL

To eliminate inadvertent operation the chassis air horns shall be operable only when the battery selector and ignition switch are in the "ON" position.

AIR HORN CONTROL SWITCH

The chassis air horns shall be controlled by a lanyard with a 'Y-chain'. The lanyard chain shall be mounted to the center of the overhead console within reach of both the driver and officer and shall terminate at the cab center.

AIR HORN OPERATION

The air horn and the electric horn shall be sounded simultaneously by depressing the horn button in the steering wheel.

ELECTRONIC SIREN

A Whelen electronic siren control, model 295SLSA1 full feature with 17 Scan-Lock siren tones including Radio Rebroadcast, Public Address, Manual, Wail, Yelp, Air Horn, Electronic Mechanical Siren tones and Piercer tones and hard-wired microphone, shall be provided.

SIREN CONTROL LOCATION

The siren control shall be mounted in the center console on top of the engine enclosure within reach of the driver and officer.

SIREN SPEAKERS

There shall be two (2) Cast Products aluminum 100-watt speakers provided. The speakers shall be recessed into the front bumper, one (1) each side in the outboard position on the flat portion of the bumper.

SIREN SPEAKER

The Cast Products siren speaker shall have a bright finish.

Q2B MECHANICAL SIREN

MES Pumper 22 Premier as Built Specifications

The front bumper shall include an electro-mechanical Federal Q2B™ siren which is streamlined, chrome-plated and produces 123 decibels at 10-feet. The siren measures 10.50 inches wide x 10.00 inches high x 14.00 inches deep.

The siren shall include a pedestal mount to surface mount on top of the gravel shield on the left (driver's) side.

Q2B MECHANICAL SIREN

The FEDERAL Q2B mechanical siren shall have a bright chrome finish.

MASTER WARNING LIGHT CONTROL

To eliminate inadvertent operation the mechanical siren shall be operable only when the Master Warning Light switch is in the "ON" position and the parking brake is released.

SIREN BRAKE SWITCH

A momentary switch shall be provided in the driver's switch panel for operation of the siren brake.

A second momentary switch shall be provided in easy reach of the officer for operation of the siren brake.

Each switch shall be labeled "SIREN BRAKE".

SIREN CONTROL SWITCHES

One (1) foot switch for the siren shall be provided on the left side of the driver's side cab floor and one (1) on the right side of the officer's side cab floor.

ONBOARD ELECTRONIC OPERATION AND MAINTENANCE MANUAL

There shall be a patented USB storage drive provided and installed in the vehicle cab to provide in-cab access to electronic copies of the Vehicle Operation and Maintenance Manuals with a cable and laptop.

The following information shall be accessible through the in-cab electronic Vehicle Operations Manual (eVom™ - U.S. Patent 11,580,046).

- Operator's Manual
- Construction Bill of Material Parts List
- Water Tank Certification, if applicable
- Pump Certification, if applicable
- Pump Test Certification, if applicable

Electrical System:

- Complete wiring schematics for the vehicle.
- Diagrams of the vehicle showing the wiring harness routing within the vehicle. Each of these diagrams shall include the connectors between the harnesses that provide a hyperlink to a drawing of the actual connector where pin functions can be examined.
 - Schematics for each system of the vehicle shall be provided with hyperlinks to the connectors for pin designations and to the vehicle drawings for harness location within the vehicle.

MES Pumper 22 Premier as Built Specifications

- As built wiring information

Air System:

- Complete air system schematics for the vehicle.
- Diagrams of the vehicle showing the air tubing routing within the vehicle.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the tanks and valves and to the vehicle drawings for exact location within the vehicle.

ELECTRONIC & HARD COPY OPERATOR'S MANUAL

The manufacturer shall supply additional copies of the apparatus manuals. One (1) USB drive and one (1) hard copy Operator's Manual w/Parts List.

The following information will be included:

- Operator's Manual
- Construction Bill of Material Parts List
- Water Tank Certification, if applicable
- Pump Certification, if applicable
- Pump Test Certification, if applicable

Electrical System:

- Complete wiring schematics for the vehicle.
- Diagrams of the vehicle showing the wiring harness routing within the vehicle. Each of these diagrams shall include the connectors between the harnesses that provide a hyperlink to a drawing of the actual connector where pin functions can be examined.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the connectors for pin designations and to the vehicle drawings for harness location within the vehicle.
- As built wiring information

Air System:

- Complete air system schematics for the vehicle.
- Diagrams of the vehicle showing the air tubing routing within the vehicle.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the tanks and valves and to the vehicle drawings for exact location within the vehicle.

FIRE APPARATUS SAFETY GUIDE

Pursuant to NFPA 1901, 2016 edition, 40.20.2.3 (20) one (1) copy of the latest edition of FAMA's Fire Apparatus Safety Guide shall be supplied with the apparatus.

PUMP MODULE CONSTRUCTION - HALE MODULE

The pump module shall be a self-supported structure mounted independently from the body and chassis cab. The pump module shall be constructed entirely of extrusions and aluminum plate.

MES Pumper 22 Premier as Built Specifications

The framework shall be formed from beveled aluminum alloy extrusions and shall be electrically seam welded at each joint using 5356 aluminum alloy welding wire. The main framework is to be 3.00 inch x 3.00 inch x 0.18 inch, or 3.00 inch x 1.5 inch webbed 0.25 inch, 6063-T5 aluminum extrusion.

The pump module design must allow normal frame deflection through isolation mounts without imposing stress on the pump module structure or side running boards. The pump module shall consist of a welded framework, properly braced to withstand chassis frame flexing.

The pump module support shall be bolted to the frame rails of the chassis.

HALE MODULE WARRANTY

A standard 5-year warranty (Parts and Labor for the first two years and parts only years 3 - 5) will be provided by the pump module manufacturer, Hale products Inc.

RUNNING BOARDS

The pump module running boards shall be made of structural framework.

The running boards shall be independent of the apparatus body and shall be integrated to the pump module structure only.

STEP SURFACE

All materials used for exterior surfaces designated as stepping, standing, and walking areas, and all interior steps meet or exceed the minimum slip resistance in any orientation of 0.68 when tested wet using the English XL tester in accordance with the manufacturer's instructions, as well as NFPA 1900 current edition.

RUNNING BOARDS - BRIGHT FINISH

The running boards shall have a bright finish.

PUMP COMPARTMENT DUNNAGE

There shall be a dunnage compartment furnished on top of the pump module. The dunnage area shall be as large as possible.

DUNNAGE COMPARTMENT GRAB HANDLES

Two (2) extruded aluminum grab handles shall be provided and installed, one (1) on each side of the pump compartment module. The grab handles shall be mounted on the side of the dunnage compartment just below the top edge mounted horizontally to provide easy access to the dunnage compartment.

Molded rubber gaskets shall be installed under each grab handle to protect the surface of the dunnage compartment.

GRAB HANDLES - BRIGHT FINISH

The grab handles shall have a bright finish with chrome stanchions.

MES Pumper 22 Premier as Built Specifications

PUMP COMPARTMENT WORK LIGHT

The pump compartment shall have one (1) white LED strip light inside the pump compartment to provide illumination of the pump compartment.

The work light shall be activated with the parking brake.

LEFT SIDE PUMP CONTROL PANEL

All pump controls and gauges shall be located at the left (street) side of the apparatus and integrated to the pump compartment and properly identified. The layout of the pump control panel shall be ergonomically efficient and systematically organized.

The pump operator's panel shall be horizontally hinged along the bottom edge and secured with two (2) push button latches.

The lower panel shall also be mechanically fastened and will contain all inlets and outlets specified with the drains located on lower on the panel.

RIGHT SIDE PANEL

There shall be two (2) panels on the right side of the pump compartment. The upper access panel shall be vertically hinged along the forward edge and secured with push button latches. The lower panel shall be mechanically fastened and contain the right-side inlets and outlets specified with the drains located lower on the panel.

PUMP PANEL FINISH

The pump panels shall be fabricated of 14-gauge stainless steel and shall have a brushed finish.

VALVE CONTROLS

Unless specified otherwise, the discharge valves shall be controlled with a side mount push-pull valve control assembly.

All push-pull valve controls shall have quarter turn locking control rods with chrome plated zinc tee handles. The guides for the push-pull control rods shall be chrome plated zinc castings securely mounted to the pump panel. Push-pull valve controls shall be capable of locking in any position. The control rods shall pull straight out of the panel and shall be equipped with universal joints to eliminate binding.

The handles shall be of an ergonomic design with a recessed area for a color-coded name plate.

PUMP PANEL IDENTIFICATION TAGS

All discharges and intakes shall have plastic color-coded Innovative Controls identification tags, with each having its own unique color.

Color-coding shall include the labeling of the inlet, outlet, and the corresponding drain for each.

MES Pumper 22 Premier as Built Specifications

FRONT PUMP COMPARTMENT PANEL

A single piece aluminum diamond plate panel shall be provided and fastened to the front of the pump module.

PUMP COMPARTMENT WIDTH

The width of the pump compartment (front to back) shall be 42.00 inches.

PUMP COMPARTMENT WIDTH (PANEL TO PANEL)

The width of the pump compartment (side panel to side panel) shall be 72.00 inches.

PUMP PANEL LIGHTING

A single full length OnScene LED strip light shall be installed under a formed stainless steel light hood on each side of the pump compartment. The lights shall provide illumination per NFPA specifications to ensure safe operations at night.

PUMP PANEL LIGHTING ACTIVATION

All pump panel lighting shall be activated when the park brake is applied.

PRESSURE GOVERNOR AND MONITORING DISPLAY

The apparatus shall be equipped with the Class1 Total Pressure Governor (TPG) System. The TPG Pressure Governor System is a J1939 CAN based pressure governing system that consists of a display, pressure transducers and associated wiring.

The Total Pressure Governor (TPG) is an SAE J1939 Controller Area Network (CAN) device that controls engine speed using data communications directly to the engine ECU or with an analog control signal. The governor is able to monitor engine RPM and other pertinent data directly from the engine ECU. Engine information is available directly so that NFPA required instrumentation is delivered through a single unit saving panel space and delivering engine specific warnings as determined by each engine manufacturer.

The controller is 4.44 inches wide by 6.00 inches high x 2.25 inches deep. It has easy-to-read alphanumeric displays and programmable presets with an integrated alarm out-put to provide a warning whenever anything is out of parameters.

The following parameters shall be visible:

Engine Oil Pressure

Engine Coolant Temperature

System Voltage

Engine RPM

Pump Hours

MASTER GAUGES

Class 1 4.50 inch (100 mm) gauges shall be provided and installed for the master intake and master discharge gauges at the pump operator's panel.

MES Pumper 22 Premier as Built Specifications

The gauges are interlube filled with a patented Sub-Z II freeze-proof isolator. The stem and bourdon tube are filled and sealed with a low temperature liquid to prevent water entering and prevents freezing and damage to the gauge. The interlube fill eliminates fogged lenses, rust and corrosion.

GAUGE SCALE

The master intake gauge shall be marked for a reading from -30 to 400 PSI and the master discharge shall be marked for reading a discharge pressure of 0 to 400 PSI.

GAUGE FACE COLOR

Each gauge shall have black markings on a white face.

The master intake gauge shall be labeled 'INTAKE'.

The master discharge gauge shall be labeled 'DISCHARGE'.

PUMP TEST PORTS

There shall be port connections for pressure and vacuum provided at the pump operator's panel. One (1) shall be connected to the intake side of the pump, and the other to the discharge side of the pump.

DISCHARGE GAUGES

Class 1 discharges gauge shall be provided and installed for reading the pressure of each discharge greater than 1.50 inches (38 mm) in diameter, unless otherwise specified, at the pump operator's panel. The gauges shall be 2.50 inches in diameter.

The gauges are interlube filled with a patented Sub-Z II freeze-proof isolator. The stem and bourdon tube are filled and sealed with a low temperature liquid to prevent water entering and prevents freezing and damage to the gauge. The interlube fill eliminates fogged lenses, rust, and corrosion.

GAUGE SCALE

Each shall be marked for a reading from 0 to 400 PSI.

GAUGE FACE COLOR

Each gauge shall have black markings on a white face.

WATER TANK INDICATOR

The apparatus shall be equipped with a Class1 "ITL-40" Tank Level Gauge for indicating water level at the operator's panel. The tank level gauge shall indicate the liquid level or volume on an easy-to-read multi-color LED display and show increments of 1/8 of a tank.

The tank level gauge system shall include:

- 1) A pressure transducer that is mounted on the outside of the tank in an easily accessible area.
- 2) A super bright LED display viewable from 180 degrees with a visual indication at nine (9) accurate levels.

MES Pumper 22 Premier as Built Specifications

- 3) A set of weather resistant connectors to connect to the digital display, to the pressure transducer and to the apparatus power.
- 4) The system shall include the ability to display "text messages"

The system shall include built-in diagnostic capabilities.

FACE PLATE - BLUE

A blue face plate shall be provided for the gauge.

SMART ROCKER SWITCH PANEL

There shall be a Class One Smart Rocker Switch Bank panel, containing four (4) switches provided and installed at the pump operator's panel. The switch panel shall be used to control lights and other accessories.

The switches shall be waterproof, backlit rocker type, with the specific function laser engraved on the switch face.

The switch functions will be detailed in the specifications with the individual components.

AIR HORN ACTIVATION SWITCH

A red switch shall be located in the first position of the Smart Switch bank panel to activate the chassis air horn.

The switch shall be a momentary rocker switch with a cover and shall be supplied with the proper identification label.

MIDSHIP PUMP

The pump shall be a Hale Q-Max model, single stage midship pump. The pump shall have a capacity of 1500 gallons per minute, measured in US gallons.

PUMP CONSTRUCTION AND ASSEMBLY

The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI. The pump shall be fully tested at the pump manufacturer's factory to the performance spots as outlined by the latest NFPA 1901. Pump shall be free from objectionable pulsation and vibration.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (207 MPa). All metal moving parts in contact with water shall be of high quality bronze or stainless steel. Pump utilizing castings made of lower tensile strength cast iron not acceptable.

Pump body shall be horizontally split on a single plane in two sections for easy removal of entire impeller assembly including wear rings and bearings from beneath the pump without disturbing piping or the mounting of the pump in chassis. The pump shall have one double suction impeller. The pump body shall have two opposed discharge volute cutwaters to eliminate radial unbalance.

Pump shaft to be rigidly supported by three bearings for minimum deflection. One high lead bronze sleeve bearing to be located immediately adjacent to the impeller (on side opposite the gearbox). The sleeve bearing is to be lubricated by a force fed, automatic oil lubricated design, pressure balanced to exclude

MES Pumper 22 Premier as Built Specifications

foreign material. The remaining bearings shall be heavy duty, deep groove ball bearings in the gearbox and they shall be splash lubricated.

Pump impeller shall be hard, fine grain bronze of the mixed flow design; accurately machined and individually balanced. The vanes of the impeller intake eyes shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower. Impeller clearance rings shall be bronze, easily renewable without replacing impeller or pump volute body, and of wraparound double labyrinth design for maximum efficiency. No exceptions.

The pump shaft shall be heat-treated, electric furnace, corrosion resistant stainless steel to be super finished under packing with galvanic corrosion (zinc foil separators in packing) protection for longer shaft life. Pump shaft must be sealed with double-lip oil seal to keep road dirt and water out of gearbox.

Gearbox – G Gearbox

Pump gearbox shall be of sufficient size to withstand up to 16,000 lbs. ft. of drive through torque of the engine system. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat-treated chrome nickel steel and at least 2-3/4 inches in diameter, on both the input and output drive shafts. They shall withstand the full torque of the engine.

All gears, both drive and pump, shall be of highest quality electric furnace chrome nickel steel. Bores shall be ground to size and teeth integrated and hardened, to give an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust. (No exceptions.)

The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.

If the gearbox is equipped with a power shift, the shifting mechanism shall be a heat treated, hard anodized aluminum power cylinder, with stainless steel shaft. An in-cab control for rapid shift shall be provided that locks in road or pump.

FIRE PUMP WARRANTY

A standard 5 year warranty (Parts and Labor for the first two years and parts only years 3 - 5) will be provided by the pump manufacturer, Hale products Inc.

ALTITUDE REQUIREMENTS

The apparatus shall be designed to meet the specified rating at 0 to 2000 feet altitude.

AIR PRIMER SYSTEM

The priming system shall be a Trident Emergency Products compressed air powered high efficiency, multi-stage, venturi based Air Prime System. A single panel mounted control will activate the priming pump and open the priming valve to the pump. The primer shall be a three (3) -barrel design.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction.

MES Pumper 22 Premier as Built Specifications

The priming components shall be mounted above the highest priming point on the suction side of the pump to permit air removal and allow for drainage. The primer shall also automatically drain when the panel control actuator is not in operation. The inlet side of the primer shall include a brass 'wye' type strainer with removable stainless steel fine mesh strainer to prevent entry of debris into the primer body.

Performance, Safety, and NFPA Compliance

The priming system shall be capable to a vertical lift to 22 inches of mercury and shall be fully compliant to applicable NFPA standards for vertical lift. The system shall create vacuum by using air from the chassis air brake system through a three-barrel multi-stage internal "venturi nozzles" within the primer body. The noise level during operation of the primer shall not exceed 75 Db.

Air Flow Requirements

The primer shall require a minimum of 15.6 cubic foot per minute air compressor and shall be capable of meeting drafting requirements at high idle engine speed. The air supply shall be from a chassis supplied 'protected' air storage tank with a pressure protection valve. The air supply line shall have a pressure protection valve set between 70 to 80 PSIG.

PRIMER CONTROL

A cutout at the pump panel shall be provided for the apparatus manufacture to install the primer control.

The primer control shall have a manually operated, panel mounted "push to prime" air valve; which will direct air pressure from the air brake storage tank to the primer body. To prevent freezing, no water shall flow to and from the panel control.

The control shall actuate the primer valve of the main pump body and shall be at the operator's panel.

NO Additional Primer Controls Available

WARRANTY

The primer shall be covered by a five (5) year parts warranty by Trident.

ELECTRIC OVER AIR PUMP SHIFT

The pump shift shall be electric over air operated and shall incorporate an electric switch in the cab and a MAC valve on the chassis to operate the pump transmission from road to pump.

The pump shift switch shall be mounted in the cab and identified as "PUMP SHIFT" and shall include instructions permanently inscribed on the pump shift switch plate. The in-cab switch shall be an electric locking lever style switch that has a spring-loaded locking collar that locks in "Road" or "Pump" mode.

The pump shift control assembly shall incorporate an indicating light system. There shall be two (2) lights adjacent to the pump shift control panel in the cab to show the position of the pump when the control is moved to "Pump" position. One (1) indicator light shall notify the operator when the shift has been completed to PUMP, labeled as "PUMP ENGAGED". The second indicator light in the cab will notify the operator when the chassis transmission is in correct pumping gear, labeled as "OK TO PUMP".

MES Pumper 22 Premier as Built Specifications

A third LED indicator light for throttle ready shall be provided adjacent to the throttle control at the pump operator's panel to indicate when the required interlock conditions are met to begin pump operations.

MECHANICAL SEAL

The fire pump shall be provided with a mechanical pump seal. One (1) is required on the suction, inboard, side of the pump. The mechanical seal shall be 2.00 inches in diameter and shall be spring loaded, maintenance free and self-adjusting.

Mechanical seal construction shall be a carbon sealing ring, stainless steel coil spring, Viton rubber boot, and a tungsten carbide seat with Teflon backup seal.

ANODE SYSTEM

To reduce the effect of galvanic action the pump shall be equipped with one (1) alloy anode. One (1) anode is to be installed on the inlet (suction) side of the system.

THERMAL PROTECTION

The pump shall be equipped with a TRV-120-L, thermal protection device, which monitors the water temperature of the pump and relieves water when the temperature inside the pump exceeds the preset value of the relief valve (120 degrees F / 49 degrees C).

The TRV-L shall automatically dump a controlled amount of water to the atmosphere when the pump water temperature exceeds the preset value. The valve shall automatically close when the water temperature cools to below the preset value.

A warning light shall be installed on the pump panel to alert the operator that the relief valve is open.

INTAKE PRESSURE RELIEF VALVE

There shall be one (1) Class 1 stainless steel suction relief valve provided on the pump system.

The valve shall terminate in 2.50 inch NST threads.

PUMP COOLING LINE

A 3/8" cooling line shall be installed to recirculate water from the pump back through the pump transfer case, to cool the pump during prolonged pumping operations.

The cooling line shall be controlled at the operator's position with a Class 1 valve.

HEAT EXCHANGER DISCHARGE

A gated discharge line shall be installed to provide water from the fire pump to the chassis supplied heat exchanger to assist in engine cooling during pumping operations.

The heat exchanger line shall be controlled at the pump operator's panel with an in-line ball valve.

MES Pumper 22 Premier as Built Specifications

MASTER DRAIN

The apparatus shall be equipped with a Manual Master Pump Drain for draining of the lower pump cavities, volute and selected water-carrying lines and accessories. The all brass and stainless steel construction allows for operation up to 600 psi.

LEFT SIDE STEAMER INLET

There shall be one (1) 6.00 inch steamer inlet furnished on the left side pump panel. The suction inlet shall have National Standard Threads (NST) and include a removable strainer provided inside the external inlet.

LARGE DIAMETER CAP

A 6.00 inch NH chrome plated cap with long handles shall be installed on the steamer inlet. The cap shall be hydrostatically tested to 700 psi.

The cap shall include the apparatus manufacturer's logo in the center of the cap.

RIGHT SIDE STEAMER INLET

There shall be one (1) 6.00 inch steamer inlet furnished on the right side pump panel. The suction inlet shall have National Standard Threads (NST) and include a removable strainer provided inside the external inlet.

LARGE DIAMETER CAP

A 6.00 inch NH chrome plated cap with long handles shall be installed on the steamer inlet. The cap shall be hydrostatically tested to 700 psi.

The cap shall include the apparatus manufacturer's logo in the center of the cap.

DRAIN VALVES

A Class 1 quarter-turn drain valve with chrome plated tee handle shall be provided for each required discharge and gated intake.

Each drain valve shall be connected to the valve with a flexible hose that is routed in such a manner as to assure complete drainage to below the apparatus.

The handles shall be of an ergonomic design with a recessed area for a color-coded name plate.

LEFT SIDE INLET

There shall be one (1) gated suction inlet installed on the left side of the apparatus with the following specified components.

INLET VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

MES Pumper 22 Premier as Built Specifications

The control valve shall be a 'swing out type' direct operation manual swing handle at the valve.

INLET LOCATION

The inlet shall be located on the pump panel in the forward position to the pump steamer inlet.

INTAKE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

INTAKE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST swivel female straight adapter with screen that extends through the pump panel.

One (1) 2.50 inch (65 mm) chrome plated rocker lug plug, secured by a chain.

LEFT SIDE INLET

There shall be one (1) gated suction inlet installed on the left side of the apparatus with the following specified components.

INLET VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The control valve shall be a 'swing out type' direct operation manual swing handle at the valve.

INLET LOCATION

The inlet shall be located on the pump panel in the forward position to the pump steamer inlet.

INTAKE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

INTAKE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST swivel female straight adapter with screen that extends through the pump panel.

One (1) 2.50 inch (65 mm) chrome plated rocker lug plug, secured by a chain.

MES Pumper 22 Premier as Built Specifications

LEFT SIDE DISCHARGE #1

There shall be one (1) discharge installed on the left side of the apparatus with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The control valve shall be a 'swing out type' direct operation manual swing handle at the valve.

DISCHARGE LOCATION

The discharge shall be located on the pump panel in the forward position to the pump steamer inlet.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST male 30-degree elbow.

One (1) 2.50 inch (65 mm) chrome rocker lug cap with lug vent, secured by a chain.

LEFT SIDE DISCHARGE #2

There shall be one (1) discharge installed on the left side of the apparatus with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The control valve shall be a 'swing out type' direct operation manual swing handle at the valve.

DISCHARGE LOCATION

The discharge shall be located on the pump panel in the rearward position to the pump steamer inlet.

DISCHARGE PLUMBING

MES Pumper 22 Premier as Built Specifications

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST male 30-degree elbow.

One (1) 2.50 inch (65 mm) chrome rocker lug cap with lug vent, secured by a chain.

RIGHT SIDE DISCHARGE #3

There shall be one (1) discharge installed on the right side of the apparatus with the following specified components.

DISCHARGE VALVE

A 3.00 inch (77 mm) Akron Brass slo-cloz swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE LOCATION

The discharge shall be located on the pump panel in the forward position to the pump steamer inlet.

DISCHARGE PLUMBING

The plumbing shall consist of 3.00 inch (77 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 3.00 inch (77 mm) NST male 30-degree elbow.

One (1) 3.00 inch (77 mm) chrome rocker lug cap with lug vent, secured by a chain.

RIGHT SIDE DISCHARGE #4

There shall be one (1) discharge installed on the right side of the apparatus with the following specified components.

DISCHARGE VALVE

MES Pumper 22 Premier as Built Specifications

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE LOCATION

The discharge shall be located on the pump panel in the rearward position to the pump steamer inlet.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) NST male 30-degree elbow.

One (1) 2.50 inch (65 mm) chrome rocker lug cap with lug vent, secured by a chain.

LEFT REAR DISCHARGE

There shall be one (1) discharge installed on the left rear of the apparatus below the hosebed with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

REAR DISCHARGE WATER TANK SLEEVE

The water tank shall be provided with one (1) 4.00 inch sleeve from the front of the tank to the rear of the tank for the rear discharge plumbing.

DISCHARGE TERMINATION

MES Pumper 22 Premier as Built Specifications

The termination shall include the following components:

One (1) 2.50 inch (65 mm) chrome plated 30-degree elbow.

One (1) 2.50 inch (65 mm) rocker lug cap with lug vent, secured by a chain.

RIGHT REAR DISCHARGE

There shall be one (1) discharge installed on the right rear of the apparatus below the hosebed with the following specified components.

DISCHARGE VALVE

A 2.50 inch (65 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE PLUMBING

The plumbing shall consist of 2.50 inch (65 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

REAR DISCHARGE WATER TANK SLEEVE

The water tank shall be provided with one (1) 4.00 inch sleeve from the front of the tank to the rear of the tank for the rear discharge plumbing.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 2.50 inch (65 mm) chrome plated 30-degree elbow.

One (1) 2.50 inch (65 mm) rocker lug cap with lug vent, secured by a chain.

DELUGE WATERWAY

There shall be one (1) deluge waterway installed above the pump on the apparatus with the following components.

DISCHARGE VALVE

A 3.00 inch (77 mm) Akron Brass slo-cloz swing-out valve.

VALVE CONTROL

MES Pumper 22 Premier as Built Specifications

The valve shall be manually controlled from the pump operator's panel location.

DELUGE PLUMBING

The deluge waterway shall consist of 3.00 inch (77 mm) diameter stainless steel piping up through the pump compartment.

DELUGE WATERWAY TERMINATION

The deluge piping shall terminate with an NPT male thread.

A schedule 40 PVC cap plug is to be provided on the end of the piping to protect the threads and to allow for future installation of a deck gun monitor.

DOUBLE CROSSLAY HOSEBED

Two (2) crosslay hosebeds shall be located on top of the pump compartment in the forward location directly behind the chassis cab.

Each storage area shall be provided with dimensions of 7.50 inches wide x 17.00 inches high.

CROSSLAY DIVIDER

A crosslay divider shall be provided centered between the crosslays. The divider shall be fabricated of aluminum and mounted on a base T-extrusion that provides lower support the full length of the divider.

1 3/4" CROSSLAY

One (1) double stack crosslay with the following specified components shall be provided for up to 200 feet (60 m) of 1.75 inch (44.4 mm) hose.

DISCHARGE VALVE

A 2.00 inch (50 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE PLUMBING

The plumbing shall consist of 2.00 inch (50 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 1.50 inch (38 mm) NST 90-degree swivel located in the hosebed.

1 3/4" CROSSLAY

MES Pumper 22 Premier as Built Specifications

One (1) double stack crosslay with the following specified components shall be provided for up to 200 feet (60 m) of 1.75 inch (44.4 mm) hose.

DISCHARGE VALVE

A 2.00 inch (50 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

DISCHARGE PLUMBING

The plumbing shall consist of 2.00 inch (50 mm) piping and shall incorporate a manual drain control installed below the pump area for ease of access.

DISCHARGE TERMINATION

The termination shall include the following components:

One (1) 1.50 inch (38 mm) NST 90-degree swivel located in the hosebed.

CROSSLAY COVER

A .125 inch polished aluminum treadplate hinged cover shall be provided over the crosslay beds, complete with full-length stainless steel piano hinge. Stops shall be provided to protect cab or other adjacent body components.

The hinge shall be located on the forward section of the cover, closest to the chassis cab.

CROSSLAY HOSEBED COVER-BRIGHT FINISH

The crosslay hosebed over shall have a bright finish.

CROSSLAY END FLAPS COLOR

The vinyl crosslay end flaps shall be Midnight Black in color.

Each flap shall be weighted and shall have a means of securing the flap to meet the requirements of NFPA.

TANK RE-FILL LINE

One (1) 2.00 inch (51 mm) tank fill/recirculating line shall be installed from the pump directly to the booster tank plumbed with stainless steel plumbing and flexible Victaulic couplings.

The tank re-fill line shall be provided with the following specified components:

TANK FILL VALVE

MES Pumper 22 Premier as Built Specifications

A 2.00 inch (50 mm) Akron Brass quarter-turn swing-out valve.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

TANK TO PUMP LINE

The connection between the tank and the pump shall be capable of the flow recommendations as set forth in (NFPA) 1901, Standard for Automotive Fire Apparatus, latest revision and shall be tested to those standards when the pump is being certified.

The tank to pump line shall run from the pump to the front face of the water tank and down into the tank sump. A rubber coupling shall be included in this line to prevent damage from vibration or chassis flexing.

The tank to pump shall be provided with the following specified components:

TANK TO PUMP PLUMBING

The tank to pump line shall be 3.00 inch I.D. piping.

TANK TO PUMP VALVE

A 3.00 inch (77 mm) Akron Brass full-flow valve with a stainless steel ball.

VALVE CONTROL

The valve shall be manually controlled from the pump operator's panel location.

FOAM TANK

A thirty (30) gallon polypropylene foam concentrate tank shall be provided. The foam tank shall have an anti-foaming fill stack and removable screen located in an accessible area. The foam tank fill tower shall be equipped with a latch, pressure/vacuum vent and have a sealed airtight cover.

The foam tank shall be plumbed to the on board foam system.

The following labels shall be attached to the foam tank:

"CLASS A (or B) FOAM TANK FILL"

"WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM"

FOAM TANK LOCATION

The foam tank shall be integral with the booster water tank provided with a color coded decal provided on the foam fill tower to identify the fill tower as foam.

FOAM TANK DRAIN

MES Pumper 22 Premier as Built Specifications

There shall be a 1.00 inch (25.4 mm) quarter turn drain valve installed at the lowest point to drain the foam tank. The foam tank shall drain directly to the surface below the apparatus without contacting other body or chassis components.

The drain line shall be labeled.

APPARATUS BODY DESIGN AND CONSTRUCTION

The apparatus body shall be built of stainless steel and shall be designed exclusively for Fire Service use. All metal work shall be free of sharp edges, objects or corners. No exceptions are allowed to this requirement.

The body design shall be fully tested with proven engineering and test techniques such as finite element analysis, stress coating, and strain gauging. Engineering and test techniques shall have been performed with special attention given to fatigue life and structural integrity of compartments and body support system.

The apparatus body shall be designed with the use of parametric modeling engineering software to ensure proper design of panel cuts and alignment of holes in mating parts. The entire apparatus body shall be a precision laser machined, bolted construction, properly reinforced with integral flanges eliminating the need for additional structural shapes. Hose body fabrications shall be free of all internal projections which might injure personnel or fire hose.

MODULAR BODY REQUIREMENTS

The body shall be completely modular in design allowing transfer of body components to a new chassis in the event of an accident or wear. Body components shall be removable from chassis without cutting or bending. The modular design shall also facilitate ease of repair or replacement of major or minor body parts. The mounting of the apparatus body shall be separate and distinct from the water tank mounting and the pump compartment mounting.

All body panels are to be laser machined on a CAM controlled laser to ensure accuracy (+/- .010"). This shall greatly enhance assembly and matching of repair parts. The body compartment floors, rear walls and roof areas shall be constructed of 12-gauge austenitic stainless steel. The vertical front and rear walls are designed with 14-gauge stainless steel. These front and rear walls are designed as a structural beam with the inclusion of the design encompassing a front and rear design that allows for installation of telescoping lights.

Interior and unexposed stainless-steel panels shall be #4B finish to eliminate the need for high maintenance painted surfaces in the compartments. All exterior stainless-steel panels shall have #4B finish.

The entire body shall be fabricated using precision holding fixtures to ensure accurate dimensions. Body front and rear vertical flanges shall be triple broken, providing a mounting area for rear handrails. Major body components shall consist of right and left body sides, and rear facing compartments.

The front and rear vertical corners of the apparatus body shall be recessed to provide a mounting area for vertical handrails and telescoping light poles.

COMPARTMENT ROOF CONSTRUCTION

Each compartment top shall have a bolt in 12-gauge stainless roof section for supporting roof loads of up to 500 pounds per square foot without permanent roof deformation. The stainless roof sections shall attach

MES Pumper 22 Premier as Built Specifications

the compartment rear wall and compartment vertical sides through a fastened joint creating a full perimeter compartment attachment of the stainless roof section.

COMPARTMENT DESIGN AND CONSTRUCTION

All compartments shall be manufactured from 12-gauge stainless steel with the vertical front and rear corner walls from 14-gauge, shall be of sweep out design and shall be bolted together. Stainless recessed round head bolts and stainless aircraft style "ESNA" nuts shall be applied with proper torque rating for each fastener. This type of construction shall greatly enhance the strength and ease of parts replacement in the event of damage and future modifications. Wherever possible, body bolts shall be hidden from plain view for appearance and ease of apparatus cleaning.

BODY MOUNTING SYSTEM

The front body support system shall be an integral design with .25 inch thick steel deep section cross member across the top of the chassis frame. The deep section cross member shall be attached to the right side and the left side lower front compartment weldments with eight (8) grade 8; 3/8 inch diameter bolts on each side of the apparatus. The front cross member shall be attached to the chassis by means of an elastomer spring mounting system with limited travel.

The lower portion of this spring mounting system shall be an integral part of the pump compartment frame mounting system. This design allows for maximum chassis flexing without undue stress transfer to the apparatus body.

The right and left side rear compartments shall be attached to a stainless-steel rear body support. The stainless-steel support shall be attached to the chassis frame extensions by means of an elastomer spring mounting system to form a modular integral body support system.

The apparatus body shall not rest upon the chassis truck rails and must be separated entirely from the steel frame of the chassis to prevent galvanic action.

Loose fitting U-bolt body mounting systems are not acceptable due to the likeliness of the apparatus body shifting or becoming detached from the chassis upon rear end impact.

REAR CHASSIS FRAME EXTENSIONS

There shall be a rear chassis drop frame extension to provide frame support for the rear of the apparatus body. This extension is to be bolted to the truck chassis as an integral part of the truck frame assembly and is to include rear tow eyes, crossmember and tailboard reinforcement.

The rear chassis frame extension system shall consist of a interwoven dual .625 inch thick steel drop frame extensions with a transverse 4.00 inch x 3.00 inch x .375 inch thick structural channel, and dual laminated .188 inch thick rear compartment and tailboard support tapered angles on each side of apparatus.

The rear frame extension shall be bolted to the chassis frame utilizing Grade 8 bolts and Grade C locknuts with hardened washers. For ease in replacement of damaged components in an accident there shall be no welding of components to the chassis frame.

Two (2) tow eyes with an eye diameter of not less than 3.50 inches shall be attached directly to the chassis frame extensions. The tow eyes shall be fabricated of .625" thick steel.

REAR TOW EYES

MES Pumper 22 Premier as Built Specifications

Two (2) tow eyes with an eye diameter of not less than 3.50 inches shall be attached directly to the chassis frame extensions. The tow eyes shall be fabricated of .625" thick steel.

REAR FRAME EXTENSION FINISH

The rear frame extension and rear floor body mounting pads shall be hot dip galvanized for corrosion resistance.

FASTENER FINISH

Attachment fasteners for the frame extension to the main frame rails to the main frame cross-members shall be Zinc plated to reduce the effect of harsh road chemicals.

20 YEAR TANK FRAME EXTENSION CORROSION WARRANTY

The galvanized parts shall have a warranty covering structural failure due to corrosion perforation. This warranty shall be in effect for 20 years after delivery of the apparatus to the end user.

COMPARTMENT INTERIOR FINISH

For better interior visibility, to reflect light better, ease of maintenance and prevent the masking of poor welds and questionable workmanship the interior of the body compartments shall remain uncoated.

STAINLESS STEEL APPARATUS BODY PAINTED

The following apparatus body components shall be painted job color.

The rear wheel fender panels.

The exterior surface of the hosebed side walls.

The exterior surface of the hosebed front wall.

EXTERIOR COMPARTMENT ROOF FINISH

The exterior top of the body compartments shall be brushed stainless steel material.

There shall be a label on each surface that shall state 'Not a Stepping Surface'.

COMPARTMENT VENTILATION

Each compartment shall be provided with a laser cut louver to provide adequate ventilation.

VENT FILTRATION

There shall be filters provided for compartments L1, L3, R1 and R3. The protective louver covering the filter shall be removable to allow for filter changing.

The filter shall be 100% virgin nylon fiber in an open web design that is USDA approved. The filter shall be chemically treated with Dimethyl Benzyl Ammonium Saccharinate to aid in the reduction of bacteria and fungi.

BODY STRUCTURE WIDTH

MES Pumper 22 Premier as Built Specifications

The width of the apparatus body from the outside of the left compartments to the outside of the right compartments shall be 100.00 inches (2.54 m) excluding any attached peripherals such as rub rails, fenderettes, grab handles, etc.

COMPARTMENTATION

The following compartments shall be supplied on the apparatus:

FORWARD OF WHEEL WELL - L1

There shall be one (1) full height and full depth compartment ahead of the rear wheels on the left side of the apparatus.

It shall have approximate dimensions of 56.00 inches wide x 63.00 inches high x 24.00 inches deep.

ABOVE WHEEL WELL - L2

There shall be one (1) high side compartment centered over the rear wheels on the left side of the apparatus.

It shall have approximate dimensions of 52.00 inches wide x 33.00 inches high x 24.00 inches deep.

REAR OF WHEEL WELL - L3

There shall be one (1) full height and full depth compartment behind the rear wheels on the left side of the apparatus.

It shall have approximate dimensions of 51.00 inches wide x 63.00 inches high x 24.00 inches deep.

Due to the rear body inset above the tailboard, the interior right rear corner of the compartment shall have a notch that extends from the floor to the ceiling that is 5.50 inches wide x 12.00 inches deep. This notch shall reduce the storage capacity of the compartment with a usable width of 45.50 inches to the notch.

FORWARD OF WHEEL WELL - R1

There shall be one (1) full height and split depth compartment ahead of the rear wheels on the right side of the apparatus.

It shall have approximate dimensions of 56.00 inches wide x 33.00 inches high x 12.00 inches deep in the upper section and 30.00 inches high x 24.00 inches deep in the lower section.

ABOVE WHEEL WELL - R2

There shall be one (1) high side compartment centered over the rear wheels on the right side of the apparatus.

It shall have approximate dimensions of 52.00 inches wide x 33.00 inches high x 12.00 inches.

REAR OF WHEEL WELL - R3

MES Pumper 22 Premier as Built Specifications

There shall be one (1) full height and split depth compartment behind the rear wheels on the right side of the apparatus.

It shall have approximate dimensions of 51.00 inches wide x 33.00 inches high x 12.00 inches deep in the upper section and 30.00 inches high x 24.00 inches deep in the lower section.

Due to the rear body inset above the tailboard, the interior left rear corner of the compartment shall have a notch that extends from the floor to the ceiling that is 5.50 inches wide x 12.00 inches deep. This notch shall reduce the storage capacity of the compartment with a usable width of 45.50 inches to the notch.

BODY SIDE CAPACITIES

The total compartment volume capacity of the body exterior compartments shall be 198 cubic feet.

BODY LENGTH

The apparatus body module shall have an overall length of 164.00 inches, excluding rear tailboard.

SIDE COMPARTMENT DOOR CONSTRUCTION

All horizontal and vertical side compartment doors shall be non-locking roll-up style doors.

R•O•M ROLL-UP DOOR

A R•O•M Corporation Series IV roll-up shutter doors shall be installed for each body compartment specified with a roll-up door. Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum.

Shutter slats shall feature a double wall extrusion 0.315 inches thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slat must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design shall be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double "V" seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece "D" shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125 inches. Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out. Shutter door shall have an enclosed counterbalance system. Counterbalance system shall be 4.00 inches in diameter and held in place by 2 heavy duty 18 gauge zinc plated plates. Counterbalance system shall have 2 over-molded rubber guide wheels to provide a smooth transition from vertical track to counterbalance system.

MES Pumper 22 Premier as Built Specifications

SIDE COMPARTMENT DOOR PAINT FINISH

The side compartment roll-up doors shall be a painted finish with body job color.

ROLL-UP DOOR TRACK & TRIM - PAINT FINISH

The track and trim for each roll-up door specified shall be painted finish to match the door shutters.

DOOR OPEN INDICATOR

Each roll-up door shall have an integral door open indicator magnet in the lift bar.

If the door is not properly closed and the parking brake is released, it shall activate the "hazard light" in the cab to alert the crew.

REAR CENTER COMPARTMENT

There shall be one (1) full height compartment, RR1, located at the rear of the apparatus below the hosebed access area.

It shall have approximate dimensions of 48.00 inches wide x 62.00 inches high x 22.00 inches deep.

REAR CENTER COMPARTMENT CAPACITY

The total compartment volume capacity of the body exterior rear center compartment (RR1) shall be 38.5 cubic feet.

REAR CENTER COMPARTMENT DOOR CONSTRUCTION

The rear center compartment door shall be non-locking roll-up style door.

REAR COMPARTMENT DOOR SATIN ANODIZED FINISH

The rear compartment roll-up door shall be satin anodized finish.

DOOR OPEN INDICATOR

The rear roll-up door shall have an integral door open indicator magnet in the lift bar.

If the door is not properly closed and the parking brake is released, it shall activate the "hazard light" in the cab to alert the crew.

REAR BODY DIAMOND GRADE CHEVRON STRIPING

A minimum of 50 percent of the rear-facing vertical surface, visible from the rear of the apparatus, shall be equipped with diamond grade retro-reflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.

MES Pumper 22 Premier as Built Specifications

The stripe shall be 6.00 inches (152.40 mm) wide alternating in colors.

REFLECTIVE STRIPE COLOR

Each stripe in the chevron shall be a single-color alternating between red (3M #983-72) and fluorescent green (3M # 983-23).

RR2 - LADDER STORAGE - ON BEAM

There shall be a ladder storage compartment provided at the rear of the apparatus on the right side of the body beside the water tank.

The ladders shall be placed into the body from the rear of the apparatus sliding into the compartment on beam. The compartment shall have approximate dimensions of 30.00 inches high x 12.00 inches wide.

This compartment shall extend from the rear of the apparatus completely through to allow the ladders to extend into the pump house for storage.

The ladder compartment shall be constructed of 12-gauge stainless steel material.

The compartment shall have storage for one (1) 24 foot two-section ladder, one (1) 14-foot roof ladder, one (1) 10 foot folding ladder, and three (3) pike poles.

LADDER COMPARTMENT DOOR

A vertically hinged door shall be provided to access the rear ladder storage compartment.

The door material shall match the rear overlay material and shall include chevron material matching the rear of the apparatus.

If the door is not properly closed and the parking brake is released, it shall activate the "hazard light" in the cab to alert the crew.

REAR COMPARTMENT DOOR LATCH

The door handle shall be a polished stainless steel non-locking "D"-ring latch with a 5-degree bend for easier grasping with a gloved hand.

It shall be installed centered on the door.

LADDER COMPLEMENT

The following ladders shall be supplied with the apparatus:

One (1) Duo-Safety 10-foot (3.0 m) aluminum attic ladder(s), model 585A.

One (1) Duo-Safety 14-foot (4.0 m) aluminum roof ladder(s) with folding hooks, model 775-A.

One (1) Duo-Safety 24-foot (7.0 m) two (2) section solid beam aluminum extension ladder(s), model 900A.

PIKE POLES

MES Pumper 22 Premier as Built Specifications

All NFPA required pike poles will be supplied and installed by the Fire Department before the truck is placed into service.

INSET REAR TAILBOARD

The rear of the apparatus body shall be inset in design with the rearmost body side compartmentation extended rearward to provide a larger door opening and increase compartment storage space.

The rear tailboard shall be fabricated of the same tubular materials as used in the apparatus body.

The tailboard shall be an independent assembly and shall be bolted to the rear body structural framing to provide body protection and a solid rear stepping platform.

The tailboard shall provide protection for the side body compartments and shall provide mounting for the rear ICC marker lights.

On the rear body surface, shall be **FAMA24** label attached that states: "DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION, DEATH OR SERIOUS INJURY MAY RESULT"



The rear tailboard and body shall be constructed such that the angle of departure shall be no less than 8 degrees at the rear of the apparatus when fully loaded (NFPA) 1901, Standard for Automotive Fire Apparatus.

REAR TAILBOARD LENGTH

The inset area of the tailboard shall be approximately 12.00 inches (305 mm) deep. The step shall be fabricated from "Laser Grip" stainless steel meeting (NFPA) 1901 step requirements.

REAR TAILBOARD - BRIGHT FINISH

The rear tailboard shall have a bright finish.

REAR WHEEL PANEL FENDER SIDE SKIRTS

There shall be stainless steel fender side skirts located in the area of the rear wheels of the body.

WHEEL WELL LINERS

The apparatus body wheel well liners shall be made from 16-gauge stainless steel and shall be rolled, die stamped and fully removable for access to suspension assembly.

The liners shall be fastened with stainless bolts and ESNA nuts to the outer fender panel.

MES Pumper 22 Premier as Built Specifications

FENDERETTES

Two (2) stainless steel fenderettes shall be provided and installed on the body rear wheel well panels, one (1) each side.

FENDERETTES - BRIGHT FINISH

The fenderettes shall have a bright finish.

REAR AXLE MUD FLAPS

There shall be two (2) black, anti-sail mud flaps provided and installed behind the rear wheels.

SCBA BOTTLE COMPARTMENTS

There shall be seven (7) SCBA bottle tube compartments provided and installed, three (3) in the left side rear wheel well area and four (4) in the right-side wheel well area.

Each compartment shall be constructed of gray roto molded storage compartment to provide SCBA scuff protection. A door seal shall be provided at the perimeter of the SCBA compartment.

The doors shall be stainless steel with a stainless finger latch.

FUEL FILL - LEFT SIDE BODY

The fuel fill shall be located in the rear fender area on the left side of the apparatus body.

The spring-loaded fuel fill door shall have "Diesel Fuel" laser cut in the face of the door. There shall be a vent line from the fuel tank to beneath the fuel cap to aid in fueling of the truck.

FUEL FILL AND SCBA DOORS - BRIGHT FINISH

The fuel fill and SCBA doors shall have a bright finish.

SCBA BOTTLE RETENTION STRAP

There shall be one (1) 1.00-inch-wide loop of red webbing installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in the event the door is not latched for travel. The loop shall be mounted, centered in the compartment and shall hang within 1.00-inch of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

TANK CAPACITY

The water tank shall be a maximum capacity of 1000 gallons (3785 liters).

WATER TANK CONSTRUCTION

MES Pumper 22 Premier as Built Specifications

The tank shall be constructed of .50-inch-thick Polypropylene & Mac226 sheet stock. This material shall be non-corrosive stress relieved thermoplastic, black in color and UV stabilized for maximum protection. The tank shall be of a special configuration and is designed to be completely independent of the body and compartments. All exterior tank joints and seems shall be extrusion welded and/or contain the Bent Edge™ and tested for maximum strength and integrity. The top of the tank is fitted with removable lifting eyes designed with a 3-to-1 safety factor to facilitate easy removal.

The transverse and longitudinal swash partitions shall be manufactured of Polypropylene & Mac226 material. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow and meet NFPA rules. All swash partitions interlock with one another and are welded to each other as well as to the walls and floor of the tank.

TANK WARRANTY

A lifetime tank warranty will be provided by the tank manufacturer, United Plastic Fabricating (UPF).

TANK MOUNTING

A tank mounting cradle shall be provided. The tank mounting cradle shall consist of a minimum of seven (7) crossmembers and two (2) full tank length longitudinal members.

The water tank shall rest on the tank mounting subframe, and shall be insulated from the sub-frame with a 2.50 inch wide rubber insulator. The water tank shall sit cradle-mounted using four (4) corner angles of 8.00 inch x 8.00 inch x 4.00 inch x .25 inch welded directly to the tank sub-frame. The angles shall keep the tank from shifting left to right or front to rear.

The water tank is designed on the free-floating suspension principle and shall not require the use of hold downs. The water tank shall be completely removable without disturbing or dismantling the apparatus body structure.

The hosebed cross-braces shall act as water tank retainers. The water tank cradle shall be designed to be completely independent of the apparatus body to eliminate torsional stress loading in the body. No exception will be permitted to the tank mounting requirements.

TANK CRADLE FINISH

The tank cradle shall be hot dip galvanized for corrosion resistance.

20 YEAR TANK CRADLE CORROSION WARRANTY

The tank cradle shall have a warranty covering structural failure due to corrosion perforation. This warranty shall be in effect for 20 years after delivery of the apparatus to the end user.

TANK LID & FILL TOWER

The tank shall have a combination vent and fill tower. The fill tower shall be constructed of .50 inch thick Polypropylene & Mac226 and shall be a minimum dimension of 10.00 inch x 14.00 inch outer perimeter. The tower shall have a .25 inch thick removable Polypropylene & Mac226; screen and a Polypropylene & Mac226 hinged-type cover. Inside the fill tower, there shall be a combination vent overflow pipe. The vent

MES Pumper 22 Premier as Built Specifications

overflow shall be a minimum of schedule 40 pipe with a minimum ID of 4.00 inches that is designed to run through the tank, and shall be piped behind the rear axle beneath the tank.

The tank cover shall be constructed of recessed .50 inch thick Polypropylene & Mac226, stress relieved, UV stabilized material. A minimum of two (2) lifting dowels shall be drilled and tapped to accommodate the lifting eyes.

OVERFLOW AND VENT PIPE

The fill tower shall be fitted with an integral 4.00 inch ID, Schedule 40 PVC combination overflow/vent pipe running from the fill tower through the tank to a 4.00 inch coupling flush mounted into the bottom of the tank to allow water to overflow beneath the chassis.

FILL TOWER LOCATION

The fill tower shall be located at the front of the hose bed, toward the center location side to side.

SUMP

There shall be a single sump provided with the water tank.

The sump shall be constructed of white Polypropylene & Mac226 and be located in the left front corner of the tank, unless specified otherwise. On all tanks that require a front suction, a schedule 40 polypropylene pipe shall be installed that will incorporate a dip tube from the front of the tank to the sump location. All tanks shall have an anti-swirl plate located above the dip tube.

SUMP PLUG

The sump shall have a 3.00 inch (77.00 mm) plug for use in draining and cleaning out the tank.

OUTLETS

In addition to the tank suction valve outlet located in the sump, there shall be an outlet provided for the tank fill valve. If there are any additional options selected (such as an extra tank suction or direct tank inlets), there shall be additional outlets provided to accommodate these items.

PASS-THRU

If there are any options selected (such as rear discharges or ladder storage), there shall be pass-thru sleeves and notches provided into the tank design to accommodate these items.

BODY HOSEBED

A hosebed shall be provided with the minimum capacity as required by (NFPA) 1901, Standard for Automotive Fire apparatus.

The hosebed and walls shall be manufactured from stainless steel and shall be constructed in such a manner that will prevent damage to fire hose. The interior of the hosebed shall be free of projections such as nuts, sharp edges or brackets that may damage hose. No exceptions to this requirement are allowed.

MES Pumper 22 Premier as Built Specifications

An aluminum extrusion shall be installed over the rear opening of the hosebed to protect the body and hose from wear when loading and unloading hose. The hosebed floor shall be fitted with removable slatted, ribbed 6.00 inch heavy-duty extruded aluminum floorboards.

HOSEBED BULKHEAD

A stainless steel bulkhead shall be installed between the front of the body and the hose storage area of the hosebed creating a hosebed dunnage storage area.

The bulkhead shall be the same height and design as the hosebed side walls.

No hosebed flooring shall be provided in the space between the bulkhead and the front wall of the hosebed.

HOSE BED FLOODLIGHT

There shall be one (1) Maxxima MWL-36, 2100 Lumen LED hose bed floodlight with swivel and folding handle provided and installed at the front right corner of the hosebed.

There shall be a weather resistant switch on the light head.

HOSE BED LIGHT ACTIVATION

The hose bed light shall be activated when the park brake is set.

HOSEBED HEIGHT

The height from the top of the tailboard to the floor of the hosebed shall be approximately 63.00 inches (1600 mm).

HOSEBED RISER DEPTH

The depth of the hosebed shall be approximately 20.75 inches.

ADJUSTABLE HOSEBED DIVIDERS

One (1) adjustable hosebed dividers shall be provided and installed. Each divider shall be fabricated from .25 inch thick smooth aluminum plate, 5052-H32 alloy.

The rear end of each divider shall have a 3.00 inch radius corner and shall be sanded and deburred to prevent damage to hose.

There shall be two (2) hand hold openings provided. One (1) at the rear in a vertical position and one (1) approximately 24.00 inches in from the rear in a horizontal position at the top of the divider.

HOSE LOAD

The apparatus shall accommodate the minimum storage for hose as required by the latest edition of NFPA 1901 and the hosebed may be the primary location for this hose storage. The hosebed must provide storage for not less than 200' of 2.5" double jacketed hose, 400' of 3" double jacketed hose, and 1200-feet of 5"

MES Pumper 22 Premier as Built Specifications

hose LDH.

HOSEBED COVER

A vinyl hosebed cover shall be provided and installed that is designed to cover the entire main hosebed area. The cover shall be installed with "stretch cord type" fasteners along each side of the hosebed.

A weighted flap shall be incorporated into the rear edge of the cover.

The hosebed cover rear flap shall also include a positive locking device to meet the requirements of (NFPA) 1901.

HOSEBED VINYL COLOR

The vinyl color shall be Midnight Black.

SUCTION HOSE STORAGE

Suction hose shall be stored on a formed aluminum tray. The tray shall employ a design without fasteners or clamps to hold the suction hose in place in the tray.

Two (2) trays shall be mounted on top of the apparatus side compartments, one (1) on the left side and one (1) on the right side.

HARD SUCTION TRAY FINISH

The hard suction trays shall have a gray powder coated finish.

SUCTION HOSE

The following suction hose shall be provided with the carrier.

There shall be two (2) 10.00 foot length(s) of 6.00 inch lightweight PVC flexible suction hose(s) with long handle female end and rocker lug male end couplings provided with the above specified storage.

BARREL TYPE SUCTION STRAINER

One (1) 6.00 inch Kochek aluminum barrel type suction hose strainer(s) shall be provided with the apparatus. The strainer(s) shall include a tie off loop on the end plate.

SUCTION STRAINER CONNECTION

The strainer shall have an NH connection.

SUCTION STRAINER FINISH

The strainer shall be the standard Silvadillo powder coat finish from Kochek.

BODY RUB RAIL / LIGHTING SYSTEM

MES Pumper 22 Premier as Built Specifications

The apparatus body shall have bolt on extruded aluminum rub rails affixed to the side beneath each compartment door fore and aft of the rear wheel well panel.

Each rub rail shall be attached to the apparatus body with standoff spacers made from 1.00 inch diameter UHMW Polyethylene bar stock.

The rub rails shall be designed with integral white and red LED strip lights. The white light shall be downward facing for ground lighting and the red light shall be outward facing for additional warning lighting.

The white light shall be activated with the chassis ground lighting and the red lights shall activate as a red flashing warning light when the warning lights are active.

RUB RAILS - BRIGHT FINISH

The rub rails shall have a bright finish.

BODY COMPARTMENT LIGHTING

Two (2) Red/White ROM DuroStrip LED lights shall be provided and installed in each body compartment. The lights shall be installed vertically, one (1) light along each side of the door framing.

Each compartment door shall have an automatic compartment light switch.

There shall be a red/white color selector switch in the cab that controls the color of this lighting.

FOLDING STEPS

Innovative Control folding steps made of high strength die cast aluminum with integrated LED illumination and conforming to current (NFPA) 1901 step requirements shall be provided and installed on the apparatus as specified.

The steps shall be mounted with no more than 18.00 inches between each approved step area.

FOLDING STEP LIGHT ACTIVATION

The folding step lighting shall be activated when the park brake is set.

FOLDING STEPS - BRIGHT FINISH

The folding step(s) shall have a bright finish.

STEP LOCATION

Three (3) folding steps shall be installed on the left forward vertical wall of the front compartment.

STEP LOCATION

One (1) folding step shall be installed on the left rear vertical face of the body.

STEP LOCATION

MES Pumper 22 Premier as Built Specifications

Three (3) folding steps shall be installed on the right forward vertical wall of the front compartment.

INTERMEDIATE REAR FIXED STEPS - LOWER AND MID

There shall be four (4) rear corner intermediate fixed steps, two (2) each side, provided and installed adjacent to the rear compartment. The steps shall be positioned in the lower and mid positions above the rear tailboard.

The steps shall be no less than 8.00 inches in depth and fabricated of "Laser Grip" stainless steel to meet (NFPA) 1901 step requirements.

REAR INTERMEDIATE STEP - BRIGHT FINISH

The rear intermediate step(s) shall have a bright finish.

REAR INTERMEDIATE STEP LIGHTING

There shall be an LED strip light with integral guard provided and installed with each fixed step at the rear of the apparatus to provide lighting to the lower and mid position steps.

STEP LIGHT ACTIVATION

The step light shall be activated when the park brake is set.

REAR HANDRAILS

Three (3) extruded aluminum handrails shall be supplied and installed at the rear of the apparatus body.

There shall be two (2) 24.00 inch long vertical handrails installed, one (1) on each side at the rear area of the body inset or on the flat back pending configuration and one (1) 69.00 inch long handrail installed horizontally below the hosebed.

HANDRAILS - BRIGHT FINISH

The handrails shall have a bright finish with chrome finish stanchions.

LIGHTING - REAR HORIZONTAL HANDRAIL

The horizontal handrail adjacent to the hosebed shall contain integrated LED lighting. The lighting shall be integrated into the grab bar, directed toward the hosebed.

LIGHTING - ACTIVATION

The handrail lighting shall be activated with the ground lighting.

SHALLOW DEPTH ALUMINUM SHELIVING - ADJUSTABLE

The shallow depth shelving shall be made out of .190-inch smooth aluminum sheet material and shall have a flange 1.50 inches deep.

Each shelf shall be adjustable in height and held in place by extruded uprights.

MES Pumper 22 Premier as Built Specifications

There shall be a total quantity of two (2) provided:

- One (1) located in the R1 compartment.
- One (1) located in the R3 compartment.

SHELF MATTING

Any shelf provided shall have Dri-Dek matting installed for improved ventilation that shall also provide a non-slip surface.

MATTING COLOR

The matting shall be black in color.

FULL DEPTH ALUMINUM SHELVING - ADJUSTABLE

The full depth shelving shall be made out of .190-inch smooth aluminum sheet material and shall have a flange 1.50 inches deep.

Each shelf shall be adjustable in height and held in place by extruded uprights.

There shall be a total quantity of two (2) provided:

- Two (2) located in the L1 compartment.

SHELF MATTING

Any shelf provided shall have Dri-Dek matting installed for improved ventilation that shall also provide a non-slip surface.

MATTING COLOR

The matting shall be black in color.

FLOOR MOUNT ALUMINUM TRAYS - PULL-OUT

Each floor mount pull-out tray shall be made out of .190 inch smooth aluminum sheet material with four (4) side flanges.

The floor mounted tray shall be secured to Grant slides and a gas shock mechanism to hold the tray in both the in and out positions with a 250# capacity.

There shall be a total quantity of four (4) provided:

- One (1) located in the L1 compartment.
- One (1) located in the R1 compartment.
- One (1) located in the R3 compartment.
- One (1) located in the RR1 compartment.

MES Pumper 22 Premier as Built Specifications

SHELF MATTING

Any pull-out tray provided shall have Dri-Dek matting installed for improved ventilation that shall also provide a non-slip surface.

MATTING COLOR

The matting shall be black in color.

FULL HEIGHT PULL OUT VERTICAL TOOL BOARD - ALUMINUM

A full height aluminum pull-out vertical tool board shall be installed in the compartment as specified.

The tool board shall be made from .25-inch aluminum and attached at the floor and ceiling of the compartment with slide assemblies and a locking device at the bottom to hold the board in both the stored and extended position.

Each tool board may be fully adjustable across the width of the compartment dependent on the layout of the compartment.

There shall be a total quantity of two (2).

-Two (2) located in the L3 compartment.

APPARATUS BODY ELECTRICAL SYSTEM

All body electrical shall conform to NFPA 1901 latest edition standards. The apparatus shall be equipped with a heavy-duty 12-Volt negative ground system.

All 12-Volt apparatus wiring shall pass through a heavy duty power disconnect solenoid. The 12-Volt control of the power disconnect switch is to be triggered by the Master Battery Disconnect.

The apparatus shall be equipped with a Class1 Es-Key Management System for complete control of the electrical system devices.

The right rear compartment shall house Power Distribution Module (PDM). The PDM shall be mounted on a removable panel in the left rear compartment with sufficient harness length to allow a technician the ability to remove the PDM and place it on a compartment shelf for diagnostics and service.

All wiring shall be color-coded and function coded to assist the technician in servicing the electrical system. All circuits shall be divided and balanced for proper load distribution. Where possible, wiring shall be routed in looms as a single harness. Heat resistant convoluted loom shall be used. Only solderless, insulated crimp automotive electrical connectors shall be used.

APPARATUS ICC MARKER LIGHTING

Two (2) amber Whelen OS Series LED side clearance lights shall be provided and installed, one (1) each side, ahead of the forward body compartment.

Five (5) red LED clearance lights shall be provided and installed at the rear of the apparatus.

MES Pumper 22 Premier as Built Specifications

Two (2) red LED clearance lights shall be provided and installed, one (1) each side, facing the sides of the apparatus.

A red diamond shaped reflector shall be mounted on each lower rear corner of the apparatus body.

An amber diamond shaped reflector shall be mounted on each lower front corner of the apparatus body.

ICC lighting utilized and lighting positions shall be in conformance with FMVSS 108.

MARKER LIGHTING - BRIGHT FINISH

The ICC lights are to be mounted in a chrome flange.

SIDE MOUNTED TURN SIGNAL LIGHTS

There shall be two (2) Whelen, model RSA02ZCR, linear amber LED turn signal lights provided and installed, one (1) each side, in the rear wheel well area.

TURN SIGNAL HOUSING - BRIGHT FINISH

The turn signals shall be mounted in a chrome bezel.

UPPER LIGHTING PACKAGE

The following NFPA lighting package, manufactured by Whelen, shall be provided and installed in the upper areas of the vehicle.

UPPER ZONE A - ROOF MOUNTED LIGHTBAR

There shall be a Whelen Freedom model F4N7VLED, 72.00-inch lightbar provided and installed on the cab roof, as far forward as possible.

This lightbar system shall be supplied with sixteen (16) LED modules, ten (10) red linear LEDs and six (6) white linear LEDs. The outer lenses shall be clear.

Any white lights in the lightbar shall be disabled automatically for the "Blocking Right of Way" mode.

UPPER ZONE C - REAR WARNING LIGHTS

There shall be two (2) Whelen Super-LED warning lights, model R416*F LED Rota-Beam beacons provided and installed, one (1) each side at the rear of the apparatus.

BEACON LIGHTS COLOR

The upper rear beacon lights shall be red with red lenses.

POLISHED STAINLESS STEEL LIGHT STANCHIONS

Two (2) light stanchions shall be mounted in the upper rear corners of the body sides, one (1) each side.

Each light stanchion shall be made of polished stainless steel and shall be large enough to accommodate the Upper Zone C beacon specified.

MES Pumper 22 Premier as Built Specifications

LOWER LIGHTING PACKAGE

The following NFPA lighting package, manufactured by Whelen, shall be provided and installed in the lower areas of the vehicle.

LOWER ZONE A - FRONT WARNING LIGHTS

There shall be four (4) Whelen 600 Series Super-LED lightheads with bezels, two (2) on each side, at the front of the chassis in a separate housing than the headlights.

WARNING LIGHTS COLOR

The warning lights shall be red with clear lenses.

BRIGHT FINISH BEZEL

The warning lights shall have a chrome bezel.

LOWER ZONE B & D- SIDE WARNING LIGHTS

There shall be two (2) Whelen 600 Series Super-LED lightheads with bezels provided and installed, one (1) on each side.

WARNING LIGHTS COLOR

The warning lights shall be red with clear lenses.

BRIGHT FINISH BEZEL

The warning lights shall have a chrome bezel.

CAB SIDE WARNING LIGHTS LOCATION

The warning lights on the sides of the cab shall be mounted at the chassis side bumper location.

LOWER ZONE B & D- SIDE WARNING LIGHTS

There shall be two (2) Whelen 600 Series Super-LED lightheads with bezels provided and installed, one (1) on each side.

WARNING LIGHTS COLOR

The warning lights shall be red with clear lenses.

BRIGHT FINISH BEZEL

The warning lights shall have a chrome bezel.

BODY SIDE WARNING LIGHTS LOCATION

MES Pumper 22 Premier as Built Specifications

The warning lights on the sides of the body shall be mounted on the body rear wheel panel centered over the rear wheels.

LOWER ZONE C- REAR WARNING LIGHTS

There shall be two (2) Whelen 600 Series Super-LED lightheads with bezels, one (1) on each side, provided and installed on the rear of the apparatus.

WARNING LIGHTS COLOR

The warning lights shall be red with clear lenses.

REAR STOP/TAIL/TURN/BACKUP LED LIGHTS

There shall be Whelen model 600 series, 4x6, LED rear taillight assemblies provided and installed with the apparatus, one (1) each side at the rear.

The following shall be provided and installed in the order as specified from top to bottom:

- One (1) red stop/taillight
- One (1) amber turn signal light populated in the shape of an arrow
- One (1) white back up light

MOUNTING ASSEMBLY

There shall be Whelen 4-position vertical housing provided for each taillight assembly.

The lower most open cavity shall be filled with the specified warning light for the rear of the apparatus.

BRIGHT FINISH HOUSING

The rear taillight assembly housing shall be a chrome finish.

REAR TAILLIGHTS COLOR

The taillights mounted at the rear shall have clear lenses.

REAR TRAFFIC ADVISOR

There shall be one (1) Whelen model TAL85 directional lightbar with cable provided and installed at the upper rear of the apparatus. The device shall consist of eight (8) independent LED amber light heads.

The signal patterns of the device shall be progressive left, progressive right, center out, and emergency "All Flash."

The switch control box is to be mounted in the cab allowing for easy operation by the driver.

SIDE SCENE LIGHT LOCATION

There shall be four (4) scene lights installed on the sides of the apparatus, two (2) on each side.

MES Pumper 22 Premier as Built Specifications

One (1) located at the front and one (1) located at the rear corner.

SCENE LIGHT MODEL

Whelen 900 Series Super LED gradient scene lighting with flange shall be provided and surface mounted on the apparatus at the locations specified.

BRIGHT BEZEL FINISH

Each light shall be installed with a bright finish bezel.

SCENE LIGHT ACTIVATION

The body side scene lighting shall be activated by two (2) smart switches installed in the driver's side switch panel in the cab, one (1) switch for each side of the apparatus.

REAR SCENE LIGHT LOCATION

There shall be two (2) scene lights installed on the rear facing vertical surface of the apparatus, one (1) on each side.

SCENE LIGHT MODEL

Whelen 900 Series Super LED gradient scene lighting shall be provided, and surface mounted on the apparatus at the locations specified.

SCENE LIGHT ACTIVATION

The rear scene lighting shall be activated simultaneously by one (1) smart switch installed in the driver's side switch panel in the cab.

REFLECTIVE SAFETY STRIPE

There shall be a 4.00-inch-wide 3M brand Scotchlite reflective stripe shall be affixed to the perimeter of the vehicle.

The striping shall be placed up to 60.00 inches above ground level and shall conform to NFPA reflectivity requirements. At least 60% of the perimeter length of each side and width of the rear and at least 25% of the perimeter width of the front of the vehicle shall have reflective stripe.

STRIPE PATTERN

The reflective striping shall be applied around the perimeter of the apparatus in a straight-line pattern.

LETTERING & EMBLEMS

The apparatus lettering and emblems shall be provided and installed by the Fire Department after final delivery of the completed apparatus.

LICENSE PLATE MOUNTING

MES Pumper 22 Premier as Built Specifications

One (1) license plate mounting bracket and LED light shall be provided and installed at the rear of the apparatus.

WHEEL CHOCKS

One (1) set of NFPA compliant Worden wheel chocks model # HWGY shall be supplied with the apparatus.

The wheel chocks measure 7.75 inches high x 8.50 inches wide x 15.00 inches long and shall have a bright yellow powder coat finish for high visibility, safety and corrosion resistance.

WHEEL CHOCKS

One (1) set wheel chock holders shall be provided and installed on the left side of the apparatus below the front body compartment.

MISCELLANEOUS EQUIPMENT

The following loose equipment as outlined in (NFPA) 1901 sections 5.9.3 and 5.9.4 shall be provided by the Fire Department:

- Supply Hose
- Nozzles
- Axes
- Rechargeable (Portable) Flashlights
- Fire Extinguishers
- SCBA(s) For Each Assigned Seating Position
- SCBA Cylinders
- First Aid Kit
- AED
- Spanner Wrenches
- Adapters
- Handheld Tools
- Salvage Covers
- Traffic Vests
- Traffic Cones
- Flares

IF THERE IS A DISCREPANCY BETWEEN THE BODYBUILDER PRINT AND THE WRITTEN PROPOSAL; THE SPECIFICATIONS WITHIN THE PROPOSAL PREVAIL.

APPROVED BY: _____

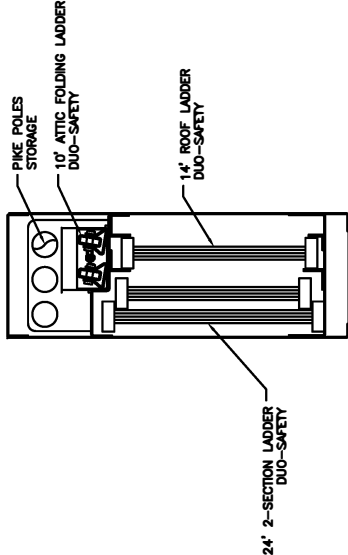
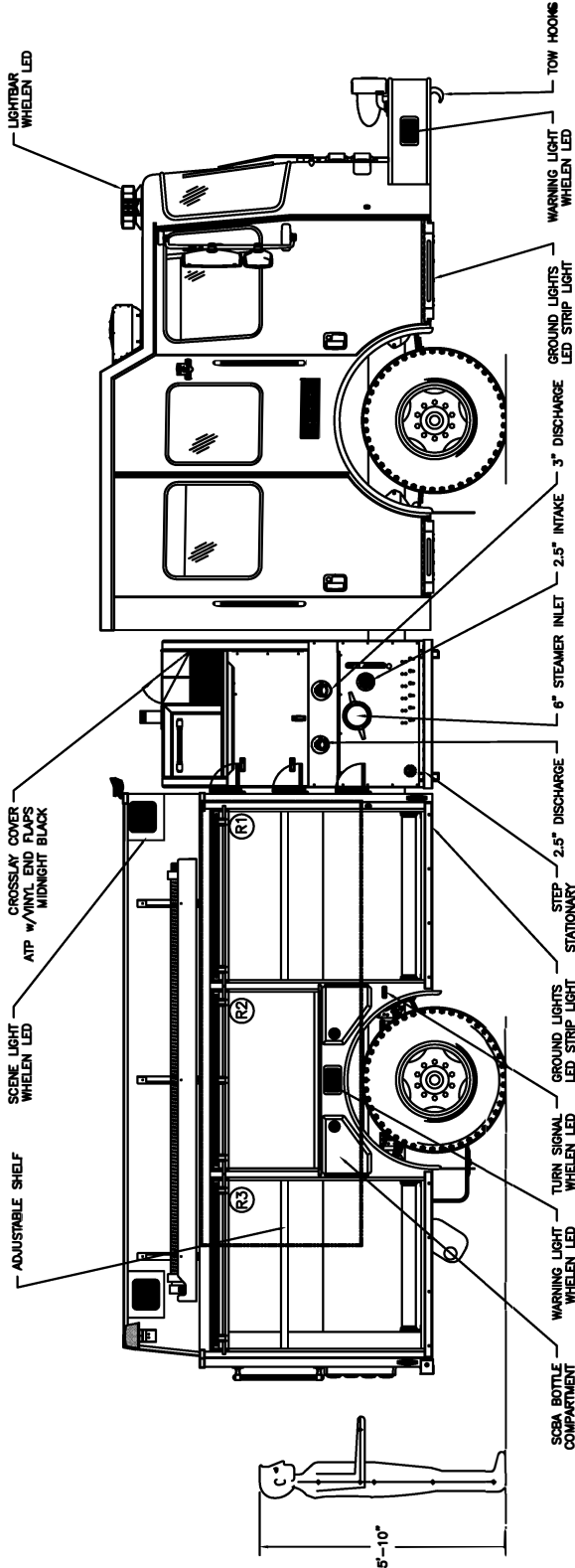
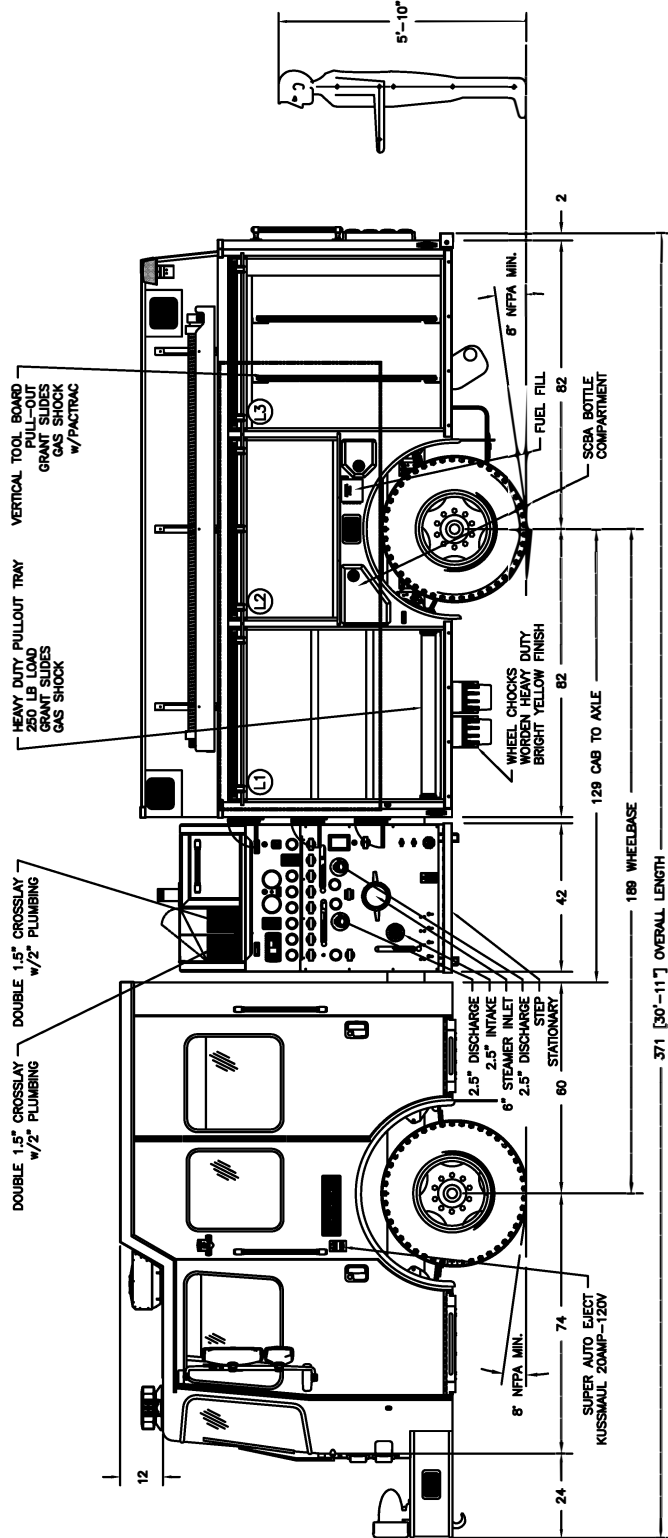
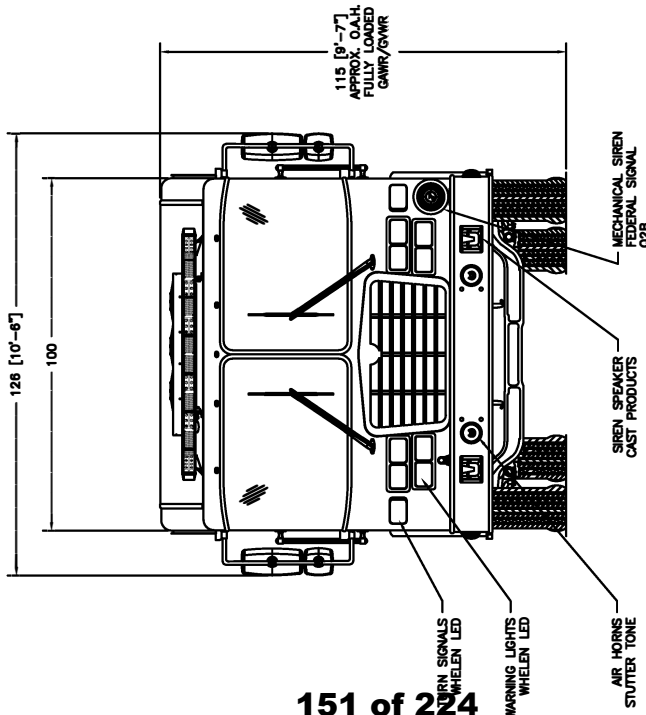
TITLE: _____

APPROVED BY: _____

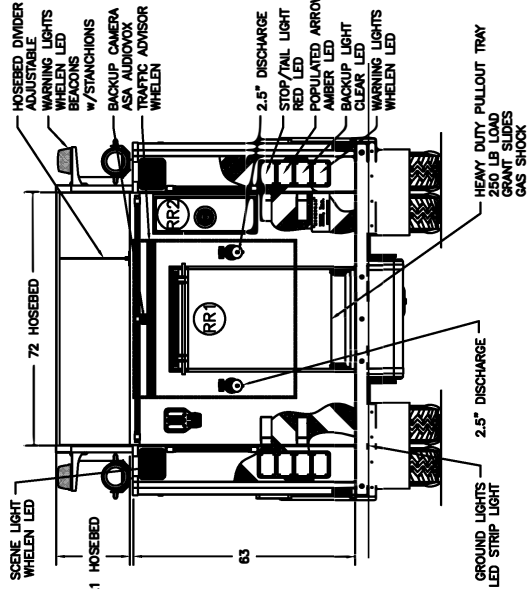
TITLE: _____

151 of 224

COMPARTMENTATION						
	BEHIND DOOR			CLEAR OPENING		
COMPT.	WIDTH	HEIGHT	DEPTH	DOOR WIDTH	DOOR HEIGHT	COMPT. VOLUME
L1:	56"	63"	24"	47"	55"	49 FT ³
L2:	52"	33"	24"	49½"	24½"	23.8 FT ³
L3:	51"	63"	24"	47½"	55"	44.6 FT ³
R1 LOWER:	56"	30"	24"	47"	55"	23.3 FT ³
R1 UPPER:	56"	33"	12"	47"	55"	12.8 FT ³
R2:	52"	33"	12"	49½"	24½"	11.9 FT ³
R3 LOWER:	51"	30"	24"	47½"	55"	21.3 FT ³
R3 UPPER:	51"	33"	12"	47½"	55"	11.7 FT ³
RR1:	48"	62"	22"	27"	46"	38.5 FT ³



ON BEAM LADDER STORAGE



D	JB	10 APR '24	HOSEBED HEIGHT CORRECTION
C	JB	22 MAR '24	CHANGE ORDER 3
B	JB	16 FEB '24	CHANGE ORDER 1/TITLE BLOCK UPDATE
A	JB	1 DEC '23	ORIGINAL RELEASE
LET	BY	DATE	REVISION



1950 BYRON CENTER AVE.
WYOMING, MI. 49519

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF HME, INC.

NAME _____ MES CORE22 HIGH END _____

 THIRD ANGLE PROJECTION	DRAWN J. BAXTER	DATE 21 NOV '23	APPROVED N/A	DRAWING FILE 24195-24210 - MES CORREZ HMR END REV CUMG	SCALE	
					SIZE B	NTS
				NUMBER 24195-24210		SHEET 1 OF 1

CREATED WITH AutoCAD®



APPARATUS SALES AGREEMENT

This Apparatus Sales Agreement (“**Agreement**”) sets forth the terms and conditions under which MES, a Connecticut Company of 12 Turnberry Lane., Sandy Hook, CT 06482 (“**MES**”) will sell an apparatus as further identified on ***Schedule A*** (“**Apparatus**”) to the following buyer (“**Buyer**”) and Buyer will purchase the Apparatus.

Buyer:

Roswell Fire Department		
(Name of Buyer)		
200 S Richardson		
(Street)		
Roswell	NM	88201
(City)	(State)	(Zip)
Attention: Chief Steve Chavez		
Telephone No. 575-500-2555		
E-mail Address: s.chavez@roswell-nm.gov		

This Agreement is comprised of this Signature Page, the attached ***Schedule A***, and the attached General Terms and Conditions.

The parties have executed this Agreement based on the dates of the signatures below.

MES (Municipal Emergency Services)

Roswell Fire Department

(Type or Print Buyer's Name)

By: _____
(MES Signature)

By: _____
(Buyer Signature)

Bill Doeblor

(Type or Print Individual's Name)

(Type or Print Individual's Name)

Its: Senior VP Apparatus

(Type or Print Individual's Title)

Its: _____
(Type or Print Individual's Title)

Date: _____

Date: _____

SIGNATURE PAGE

2023SAG_V1

SCHEDULE A

APPARATUS INFORMATION

Apparatus Type:	(1) HME/MES Custom Pumpers on HME 1871 chassis
Date of Specifications:	9/26/2024
Price:	\$753,215.00 total
Pre-Construction Conference Date: (if needed)	TBD
Expected Delivery Date:	(60) – (90) days depending on options selected
Additional Terms:	Payment upon delivery of apparatus

1. **Change Orders.**

(a) Subject to the limitation below, for a period of weeks after the execution of this Agreement MES agrees to review and respond to requested changes to the Apparatus by Buyer upon Buyer submission of a written change request describing the exact nature of the changes requested. MES will review such a request and advise Buyer of any changes to the price for the Apparatus and the delivery schedule for the Apparatus caused by the requested changes. If Buyer and MES agree to the changes, including the changes, if any, to the price and delivery date, then MES and Buyer will execute a change order setting for the terms of the changes.

(b) Buyer may not request changes in major components, Apparatus configuration, or other changes that may change the major components or configuration of the Apparatus, (e.g.: engine, transmission, axles, water tank, body, or fire pump).

2. **Alternative Components.** If the OEM is not able to obtain specific brand name components (“**Named Components**”) set forth in the specifications identified on Schedule A (“Specifications”) or if waiting for such Named Components will cause a delay in construction or delivery of the Apparatus, MES will notify Buyer of the delay. OEM agrees to make reasonable efforts to locate alternative sources of the Named Components provided OEM will have no liability for any delay caused by issues in obtaining the Named Components. OEM will not substitute a Named Component without the consent of Buyer. OEM has the right to substitute raw materials and other components, excluding the Named Components, identified in the Specifications that do not affect the overall appearance or function of the Apparatus.

3. **Delivery, Inspection, Title and Risk of Loss.**

(a) MES agrees the Apparatus will be ready for delivery by the expected delivery date set forth in **Schedule A (“Delivery Date”)**. The Delivery Date assumes that (i) Buyer has paid for the Apparatus according to this Agreement; (ii) if a pre-construction conference date is set forth in **Schedule A** that such conference is satisfactorily completed by both parties; and (iii) that no changes have been requested to the Specifications. If any of these conditions are not satisfied, the Delivery Date may be extended by MES.

(b) Unless otherwise specified on **Schedule A**, delivery of the Apparatus shall include delivery to the customers location. MES will provide Buyer with a notice of when the Apparatus is ready for delivery.

(c) Buyer agrees to inspect the Apparatus within fourteen days of notice from MES that the Apparatus is ready for delivery.

(d) Title and risk of loss for the Apparatus shall pass to Buyer upon MES’s notice to Buyer that the Apparatus is ready for delivery to the Buyer.

4. **Force Majeure.** MES is not liable for unforeseeable penalties or delays due to strikes, failures to obtain materials, fires, accidents, force majeure, or any other causes beyond HME’s reasonable control, including, without limitation, (a) acts of God; (b) flood, fire, earthquake, other potential disaster(s) or catastrophe(s), such as epidemics, or explosion; (c) war, invasion, hostilities (whether war is declared or not), terrorist threats or acts, riot or other civil unrest; (d) government order, law, or actions; (e) embargoes or blockades in effect on or after the date of this Agreement; and (f) national or regional emergency; and (g) industrial disturbances.

5. **Price and Payment.**

(a) Subject to any changes as provided in this Agreement or as agreed to by Buyer and MES under the terms of this Agreement, the price for the Apparatus is set forth on **Schedule A (“Price”)**. The

Price is in U.S. dollars, and does not include any taxes, freight, duty, tariffs, assessments or similar charges, which shall be Buyer's sole responsibility and liability.

(b) Unless otherwise specified on ***Schedule A***, Buyer shall pay the Price in full upon delivery of the Apparatus to Buyer at MES's facility. Unless otherwise specified on ***Schedule A***, the Apparatus will not leave MES's facility until payment has been received in full for the Apparatus. All payments shall be in U.S. currency. MES reserves the right to assess finance charges on any past due amounts at the rate of 1.5% per month or the maximum amount permitted by applicable law, whichever is less. MES shall be entitled to recover its reasonable attorney fees and costs incurred in connection with collection of any past due amounts owing under this Agreement.

(c) MES will not accept any payment made to HME's sales representatives. All payments of the Price will be made exclusively to MES at 12 Turnberry Lane, 2nd Floor, Sandy Hook, CT 06482 Attention: Accounts Receivable.

6. **Warranty.** MES's exclusive warranty for the Apparatus is set forth in the Specifications.

7. **Use of Equipment; Indemnification.** Buyer agrees that the Apparatus shall be used (a) strictly in accordance with all manuals and written instructions provided by MES; (b) in accordance with all applicable laws, regulations and requirements; and (c) in a proper manner. Buyer agrees that none of the safety guards or other safety aspects of the Apparatus will be removed, altered or bypassed. Buyer agrees to indemnify and hold MES harmless from and against all claims, damages and liabilities (including reasonable attorney fees and costs) arising out of or related to (i) any improper use or misuse of the Apparatus; (ii) any breach by Buyer of any of its obligations in this paragraph; or (iii) any negligence, willful misconduct or other wrongful act or omission by Buyer, its employees or anyone under Buyer's control.

8. **Limitation on Damages.**

(a) EXCEPT AS SET FORTH IN THE SPECIFICATIONS, MES DOES NOT MAKE ANY WARRANTY AS TO THE APPARATUS AND, IN PARTICULAR, DOES NOT MAKE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND BUYER IS SOLELY RESPONSIBLE FOR DETERMINING THE PROPER APPLICATION AND USE OF THE APPARATUS. MES shall not have any tort liability to Buyer or any other person with respect to any of the Apparatus and shall not be liable for consequential, incidental, special, exemplary, indirect or punitive damages arising from any product defect, delay, nondelivery, recall or other breach. Buyer shall not have any right of rejection or of revocation of acceptance of the Apparatus.

(b) IN ADDITION TO THE LIMITATIONS IN THE PRECEDING CLAUSE, MES' TOTAL LIABILITY UNDER THIS AGREEMENT OR RELATED TO THE APPARATUS SHALL NOT EXCEED THE COST OF PROVIDING REPLACEMENT ITEMS OF THE APPARATUS FOR THOSE ITEMS OF APPARATUS NOT COMPLYING WITH THE TERMS OF THIS AGREEMENT OR, AT HME'S ELECTION, TO THE REFUND OR CREDITING OF BUYER OF THE AMOUNT EQUAL TO THE PRICE PAID BY BUYER FOR THE APPARATUS.

9. **Permits and Compliance.** MES is not responsible for obtaining any permit, inspection or license that is required for the operation of the Apparatus or placing the Apparatus in service in a particular jurisdiction. Except as set forth in the Specifications, MES does not make any promise or representation that the Apparatus will conform to any law, ordinance, regulation, code or standard.

10. **Intellectual Property and Confidentiality.** All inventions (whether or not patentable), devices, technologies, ideas, improvements, processes, systems, software and other works and matters that OEM creates or develops in the course of OEM's design, development or manufacture of the Apparatus and all drawings and specifications that MES provides to Buyer ("**Intellectual Property**") shall be OEM's sole property, and Buyer

assigns, and agrees to assign, to OEM all right, title and interest that Buyer now has or in the future acquires in the Intellectual Property. Buyer shall not disclose or use any of the Intellectual Property or any information about OEM's business, operations or activities, except to the extent necessary for Buyer to use the Apparatus.

11. **Cancellation.** Buyer does not have any right to cancel its agreement to buy the Apparatus from MES. If MES agrees in writing to permit cancellation of this Agreement for any other reason, then Buyer shall immediately pay to MES a cancellation charge in an amount MES determines taking into consideration (a) the realizable value to OEM of any standard components that OEM purchased or ordered before cancellation, (b) the realizable scrap value to HME of the remaining material and tooling that OEM purchased, fabricated or ordered before cancellation and

(c) any direct labor costs that OEM incurred. MES has the right to terminate this Agreement by providing notice to Buyer upon the occurrence of any events described in the paragraph titled "Force Majeure" or if OEM is unable to obtain raw materials or components for the Apparatus in a timely or reasonable manner or otherwise produce the Apparatus. Upon termination of this Agreement, Buyer shall deliver to MES all materials relating to the Apparatus including, without limitation, all diagrams, drawings, blueprints, memoranda, specifications, and related documents. Buyer shall not retain any photocopies or other facsimiles of any of the materials.

12. **Tag-On / Additional Orders.** At its sole discretion, MES may allow the terms of this Agreement to be extended to both Buyer and similar agencies for the purchase of a similar Apparatus under similar terms for a period of one (1) year from the date of the execution of this Agreement. MES may adjust the Price to account for equitable Price adjustments associated with the change in the cost of the materials used to produce the Apparatus. Such adjustments will be based upon the Producer Price Index (PPI) for fire trucks and/or heavy transportation equipment or by itemizing Price changes expected by OEM from the component vendors. If there are any changes between the Apparatus purchased via this Agreement and any subsequent orders, those changes must be documented via properly signed and executed change orders, including any necessary adjustments to the Price. If the purchasing agency is not Buyer, a separate Agreement must be executed under the terms of this Agreement to complete the additional purchases.

13. **MES's Rights.** MES has all rights and remedies that applicable law gives to sellers. MES's rights and remedies are cumulative, and MES may exercise them from time to time. MES's waiver of any right on one occasion shall not be a waiver of any future exercise of that right.

14. **Time for Bringing Action.** Any action that Buyer brings against MES for breach of this Agreement or for any other claim that arises out of or relates to the Apparatus or its design, manufacture, sale or delivery must be brought within one year after the cause of action accrues.

15. **Applicable Law.** This Agreement between MES and Buyer shall be considered to have been made in the State of Connecticut, and it shall be governed by and interpreted according to Connecticut law. Either party may bring any action that arises out of or relates to this Agreement in any federal or state court in Connecticut that has jurisdiction of the subject matter, and Buyer irrevocably consents that any such court shall have personal jurisdiction over Buyer and waives any objection that the court is an inconvenient forum.

16. **Notices.** All notices, requests, consents, claims, demands, waivers and other communications hereunder shall be in writing and shall be deemed to have been given: (a) when delivered by hand (with written confirmation of receipt); (b) when received by the addressee if sent by a nationally recognized overnight courier (receipt requested); (c) on the date sent by facsimile or e-mail of a PDF document (with confirmation of transmission) if sent during normal business hours of the recipient, and on the next business day if sent after normal business hours of the recipient; or (d) on the third day after the date mailed, by certified or registered mail, return receipt requested, postage prepaid. Such communications must be sent to the respective parties address as set forth on the first page of this Agreement. Either party may change such address by giving notice to the other party of such change.

17. **Amendment and Waiver.** This Agreement may only be amended, modified or supplemented by an agreement in writing signed by each party hereto. No waiver by any party of any of the provisions hereof shall be effective unless explicitly set forth in writing and signed by the party so waiving. No waiver by any party shall operate or be construed as a waiver in respect of any failure, breach or default not expressly identified by such written waiver, whether of a similar or different character, and whether occurring before or after that waiver. No failure to exercise, or delay in exercising, any right, remedy, power or privilege arising from this Agreement shall operate or be construed as a waiver thereof; nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

18. **Binding Effect; Benefits; Assignment.** All of the terms of this Agreement will be binding upon, inure to the benefit of and be enforceable by and against the successors and authorized assigns of each other party. Nothing in this Agreement, express or implied, is intended to confer upon any other person any rights or remedies under or by reason of this Agreement, this Agreement being for the exclusive benefit of the parties and their respective heirs, personal representatives, successors and authorized assigns. No party will assign any of its respective rights or obligations under this Agreement to any other person without the prior written consent of the other party.

19. **Counterparts.** This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by .pdf or any electronic signature complying with the federal Electronic Signatures in Global and National Commerce Act of 2000, Public Law 106-229, as amended (e.g., Adobe eSign or DocuSign) or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement. The signatures of the parties transmitted electronically will be “electronic signatures” within the meaning of the Uniform Electronic Transaction Act (USA) and the Electronic Commerce Directive (EU) in all jurisdictions where the legislation has been adopted.

20. **Severability.** If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Upon such determination that any term or other provision is invalid, illegal or unenforceable, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the greatest extent possible.

21. **Entire Agreement.** This Agreement constitutes the entire agreement between Buyer and MES with respect to the subject matter of this Agreement and supersedes all earlier agreements and understandings, oral and written, between the parties; *provided, however*, that nothing in this Agreement shall terminate, amend or modify any previously executed confidentiality agreement(s) between Buyer and MES. The Specifications and contents of ***Schedule A*** shall be incorporated into, made a part of and governed by the terms of this Agreement. If there is a conflict between these Terms and Conditions and the Specifications or any information on ***Schedule A***, these Terms and Conditions shall control, unless ***Schedule A*** specifically amends these Terms and Conditions by reference to Paragraphs to be amended.

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 8.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

Emergency Management

Attachments

EM monthly report



October 2025 Monthly Report

Past Month Activities:

- Participation in National Weather Service weekly weather briefings.
- Conducted monthly outdoor warning siren testing.
- Attended senior staff meetings, committee meetings, and daily/weekly/monthly DHSEM City of Roswell flooding disaster related meetings.
- Posted updates on OEM Facebook page.

Accomplishments for the month:

- FEMA/State/City meetings continue.
As of Oct. 31, 2025: 2172 Individual Assistance applications approved by FEMA for a total of \$22,417,793.38. Public Assistance: Total Public Assistance Grants Dollars Obligated: \$13,385,662.09 and the Consultants continue to work on project submission with FEMA. Citizens can fill out intent to apply for CDBG-DRgrant.
- Monthly Task Force Meetings: Agriculture, Infrastructure, Debris, Housing, Museum, Weekly Recovery meeting.
- Continue EOP update, review of tasks and annexes.
- Continue next steps of THIRA/SPR, redesign SPR survey.
- The City and County Managers met and agreed that starting July 1 (FY27), the shared Emergency Management position will end. Each entity will fund its own position. The County currently reimburses 25% of this position.
- Submission of quarterly reports.
- Work on siren near Goddard.
- Quarterly LEPC meeting.
- Exercise planning for next year.
- Attended NMAEMP Conference.

Plans for November 2025:

- Anticipating EMPG and SHSGP grant awards announced.

Fleet: 2023 Ford F150 XL STX Crew Cab 21,727 miles driven by Karen Sanders

PO Box 1838
Roswell, NM 88202-1838

TEL: 575.622.1449
FAX: 575.624.6750

seeroswell.com

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 9.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

Roswell Animal Services

Attachments

Monthly Report October 2025

Roswell Animal Services

Monthly Report

OCTOBER 2025



Submitted by:

Animal Services Manager

Shantel Mairot

Roswell Animal Services

705 E. McGaffey

Roswell, NM 88203

(575) 624-6722

Kennel Statistics

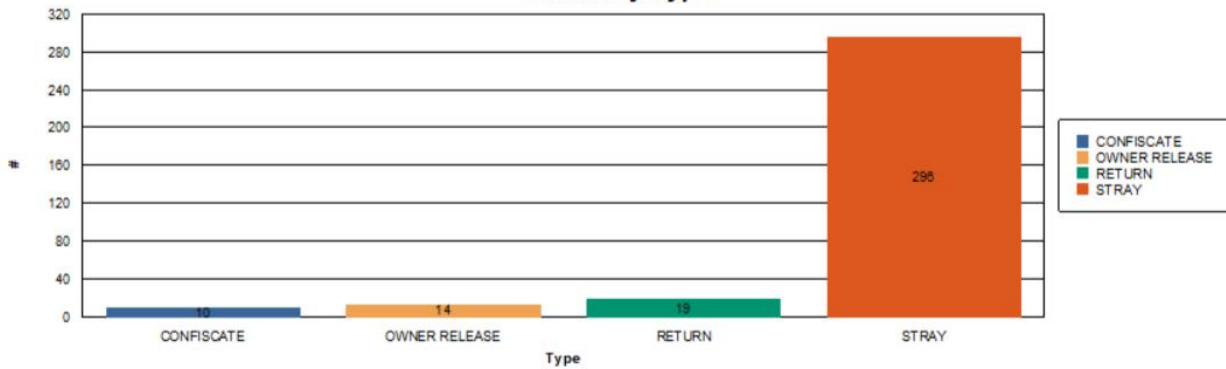


Roswell Animal Services Kennel Statistics 10/1/2025 to 10/31/2025

Intakes

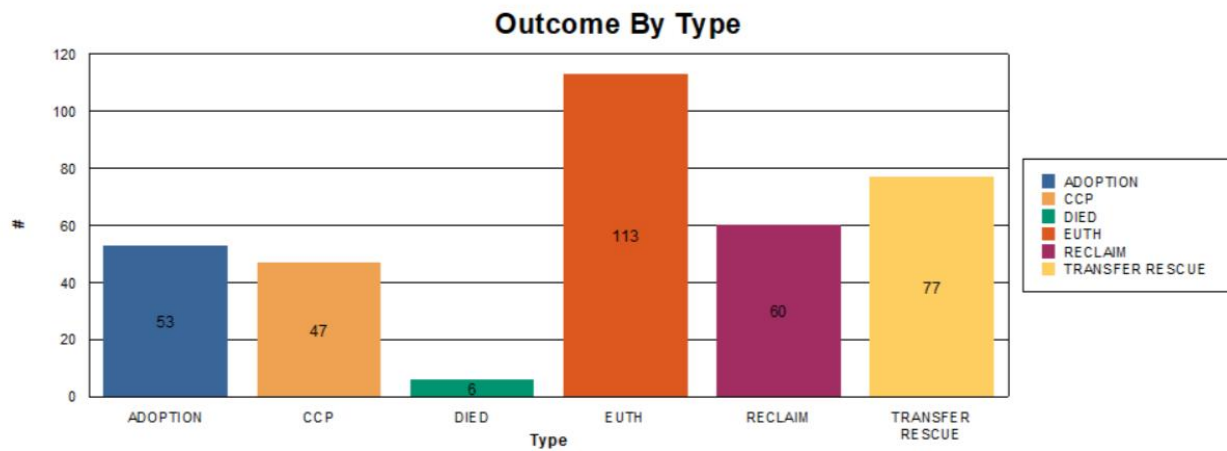
	COUNTY					ROSWELL					TOTAL
	CAT	DOG	KITTEN	PUPPY	Total	CAT	DOG	KITTEN	PUPPY	Total	
CONFISCATE	0	2	0	0	2	1	7	0	0	8	10
OWNER RELEASE	0	0	0	0	0	0	13	0	1	14	14
RETURN	0	0	0	0	0	1	12	2	4	19	19
STRAY	4	49	8	7	68	44	91	56	37	228	296
GRAND TOTAL	4	51	8	7	70	46	123	58	42	269	339

Intake By Type



Outcomes	CAT	DOG	KITTEN	PUPPY	TOTAL
ADOPTION	4	21	15	13	53
CCP	44	0	3	0	47
DIED	0	1	5	0	6
EUTH	9	59	33	12	113
RECLAIM	1	51	2	6	60
TRANSFER RESCUE	1	47	13	16	77
GRAND TOTAL	59	179	71	47	356

Total Rescue
(Humane Society and Rescue)
77.00



Euthanasia Breakdown

	COUNTY			ROSWELL				Total
	DOG	OTHER	Total	DOG	CAT	OTHER	Total	
BEH MANAGE	3	0	3	14	0	2	16	19
BEH SEVERE	1	0	1	3	0	0	3	4
COURT ORD	0	0	0	1	0	0	1	1
ILL SEVERE	10	2	12	12	5	38	55	67
INJ SEVERE	0	0	0	1	3	1	5	5
TIME/SPACE	3	0	3	11	1	2	14	17
Total	17	2	19	42	9	43	94	113

Citations and Criminal Complaints

Month's Activities-

The total citations issued for the month:

Jake Chavez (577) - 2

Lorenzo Gandara (576) - 0

Guadalupe Nevarez (578) - 5

Sidney Aragon-Torres (575) - Dispatch

Alexis Gonzales (574) - 2

Shantel Mairot (566) – 0

The total summons issued for the month:

Jake Chavez (577) – 0

Lorenzo Gandara (576) – 1

Guadalupe Nevarez (578) – 1

Sidney Aragon-Torres (575) – Dispatch

Alexis Gonzales (574) – 1

Shantel Mairot (566) – 4

The total of search warrants:

Jake Chavez (577)- 0

Lorenzo Gandara (576)- 0

Guadalupe Nevarez (578)- 0

Sidney Aragon-Torres (575)- 0

Alexis Gonzales (574)- 0

Shantel Mairot (566)- 0

What citations were issued:

Section 4-53: Dogs and Cats Running at Large

Section 4-51: Keeping of Dogs and Cats; (a(1) each animal hereunder shall be inoculated against rabies b a veterinarian by the age of 3 months old and the responsible party shall maintain evidence thereof

Section 4-51: Keeping of Dogs and Cats; (a(4)) each animal shall be microchipped

Section 4-51: Keeping of Dogs and Cats; (b) Every responsible party shall comply with the above requirements for the keeping of dogs and cats within 30 days of acquiring the animal or bring such animal into the city.

Section 4-51: Keeping of Dogs and Cats; a(1)(i) Dogs shall also be inoculated against parvovirus, distemper, and hepatitis.

Section 4-57: Breeding prohibited without a permit; (a) Except as otherwise provided for herein, it is unlawful to keep, maintain or harbor unaltered dogs or cats, or to breed such animals, within the city without a breeder's permit issued by animal services.

Section 4-52: Additional care and maintenance requirements; a(1) it shall be illegal to tether an animal to any stationary or non-stationary object, including but not limited to a dog house, tree, fence, or tire, for the purpose of containment.

Section 4-54: Vicious dogs; (a) It shall be unlawful for any person to keep, maintain or harbor a vicious dog, where the individual knows or has reason to know that the animal is vicious.

What summons were issued:

Sections 4-53: Dogs and Cats Running at Large

Sections 4-51: Keeping of Dogs and Cats

(B) Every responsible party shall comply with the above requirements for the keeping of dogs and cats within 30 days of acquiring the animal or bring such animal into the city.

Section 4-51: Keeping of Dogs and Cats; (a(4)) each animal shall be microchipped

Section 4-51: Keeping of Dogs and Cats; (a(1) each animal hereunder shall be inoculated against rabies b a veterinarian by the age of 3 months old and the responsible party shall maintain evidence thereof

Section 4-51: Keeping of Dogs and Cats; (a(2) each domesticated animal kept shall be altered prior to six months of age

Section 4-51: Keeping of Dogs and Cats; a(1)(i) Dogs shall also be inoculated against parvovirus, distemper, and hepatitis.

Judgment and Sentence:

**STATE OF NEW MEXICO
CITY OF ROSWELL
IN THE MUNICIPAL COURT**

MUNICIPAL COURT
ROSWELL NM
OCTOBER 1, 2025
9:35 AM
JM
CLERK

v.

Maria Rosario Aranda, Defendant

No. 2025000097-AC

JUDGMENT AND SENTENCE

This case came before the court on 1st day of October, 2025.

The defendant appeared:

☒ pro se ☐ waiver signed

The defendant entered a plea of:

☒ guilty ☐ no contest

☐ not guilty and was tried by the court.

Count# 1: 4-53 - Dog & Cats Running at Large

Defendant Plead: Guilty

The defendant is adjudged Guilty

The Defendant is Sentenced to: Fine: 50.00 w/ \$50.00 Suspended Fees: \$0.00

SENTENCE AND COMMITMENT: Fined \$50. \$50 suspended with the condition defendant have no further animal violations for 180 days.

Date: October 1, 2025



Judge

You must keep the Court informed of your current phone number and address. If you are on House Arrest, Community Service, and/or Probation you must follow all the rules.

YOU MAY PAY ONLINE: CitePayUSA.com

**STATE OF NEW MEXICO
CITY OF ROSWELL
IN THE MUNICIPAL COURT**

MUNICIPAL COURT
ROSWELL NM
OCTOBER 8, 2025
10:22 AM
RR
CLERK

v.

Crystal J. Garcia-Brady, Defendant

No. 2025000004-AC

JUDGMENT AND SENTENCE

This case came before the court on 8th day of October, 2025.

The defendant appeared:

☒ with an Attorney Beth L. Hightower. Christopher J Nairn-Mahan appeared on behalf of the City of Roswell.

☐ pro se ☐ waiver signed

The defendant entered a plea of:

☐ guilty ☒ no contest

☐ not guilty and was tried by the court.

Count# 1: 4-53 - Dog & Cats Running at Large

Defendant Plead: No Contest

The defendant is adjudged Guilty

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 4: 4-57 - Breeding Prohibited Without a Permit

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 1: 4-51 (A) (1) - Keeping of dogs and cats inoculated against rabies

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 2: 4-51 (A)(4) - Animal shall be microchipped

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 3: 4-51 (A) (2) - Keeping of dogs and cats (altered)

Defendant Plead: No Contest

The defendant is adjudged Guilty

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 8: 4-51 (A) (1) - Keeping of dogs and cats inoculated against rabies

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 9: 4-51 (A)(4) - Animal shall be microchipped

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 10: 4-51 (A) (2) - Keeping of dogs and cats (altered)

Defendant Plead: Not Guilty

The defendant is adjudged Dismissed per City Attorney

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 5: 4-51 (A) (1) - Keeping of dogs and cats inoculated against rabies

Defendant Plead: Not Guilty
The defendant is adjudged Dismissed per City Attorney
The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 6: 4-51 (A)(4) - Animal shall be microchipped
Defendant Plead: Not Guilty
The defendant is adjudged Dismissed per City Attorney
The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 7: 4-51 (A) (2) - Keeping of dogs and cats (altered)
Defendant Plead: Not Guilty
The defendant is adjudged Dismissed per City Attorney
The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

SENTENCE AND COMMITMENT: Change of plea to No Contest at time of Trial with Attorneys present: At large: Deferred 90 days. Keeping of Dogs and Cats: Deferred 89 days. Microchip x3: Dismissed per City Attorney. Breeding prohibited: Dismissed by City Attorney. Rabies x3: Dismissed by City Attorney. Keeping of Dogs and Cats x2: Dismissed per City Attorney. Deferment to run consecutive for a total of 179 days. Defendant not to have any further animal violations and not to possess any additional animals.

Date: October 8, 2025



Judge

You must keep the Court informed of your current phone number and address. If you are on House Arrest, Community Service, and/or Probation you must follow all the rules.

YOU MAY PAY ONLINE: CitePayUSA.com

**STATE OF NEW MEXICO
CITY OF ROSWELL
IN THE MUNICIPAL COURT**

MUNICIPAL COURT
ROSWELL NM
OCTOBER 8, 2025
12:30 PM
RR
CLERK

v.

Lisa M Jaramillo, Defendant

No. 2025000062-AC

JUDGMENT AND SENTENCE

This case came before the court on 8th day of October, 2025.

The defendant appeared:

☒ with an Attorney Beth L. Hightower. Christopher J Nairn-Mahan appeared on behalf of the City of Roswell.
☐ pro se ☐ waiver signed

The defendant entered a plea of:

☐ guilty ☒ no contest
☐ not guilty and was tried by the court.

Count# 1: 4-52 - Additional Care and Maintenance Requirements

Defendant Plead: No Contest

The defendant is adjudged Guilty

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

Count# 2: 4-3 (D) - Enforcement Upon determination any animal kept

Defendant Plead: No Contest

The defendant is adjudged Guilty

The Defendant is Sentenced to: Fine: 0.00 w/ \$0.00 Suspended Fees: \$0.00

SENTENCE AND COMMITMENT: Sentencing hearing held with Attorneys present: Additional Care: Deferred 90 days, no further animal Control violations. Enforcement: Deferred 89 days, no further Animal Control violations

Date: October 8, 2025



Judge

You must keep the Court informed of your current phone number and address. If you are on House Arrest, Community Service, and/or Probation you must follow all the rules.

YOU MAY PAY ONLINE: CitePayUSA.com

STATE OF NEW MEXICO
CITY OF ROSWELL
IN THE MUNICIPAL COURT

MUNICIPAL COURT
ROSWELL NM
OCTOBER 16, 2025
9:46 AM
RR
CLERK

v.

Brian Michael Ferrizz, Defendant

No. **2025000100-AC**

JUDGMENT AND SENTENCE

This case came before the court on 16th day of October, 2025.

The defendant appeared:
☒ pro se ☐ waiver signed

The defendant entered a plea of:
☐ guilty ☒ no contest
☐ not guilty and was tried by the court.

Count# 1: 4-53 - Dog & Cats Running at Large
Defendant Plead: No Contest
The defendant is adjudged Guilty
The Defendant is Sentenced to: Fine: 50.00 w/ \$50.00 Suspended Fees: \$0.00

Count# 2: 4-53 - Dog & Cats Running at Large
Defendant Plead: No Contest
The defendant is adjudged Guilty
The Defendant is Sentenced to: Fine: 50.00 w/ \$50.00 Suspended Fees: \$0.00

SENTENCE AND COMMITMENT: Plead No Contest: At large: Fined \$50. At Large: Fined \$50. Fines of \$100 suspended with condition defendant not to have any further Animal Control Violations for 180 days.

Date: October 16, 2025



Judge

You must keep the Court informed of your current phone number and address. If you are on House Arrest, Community Service, and/or Probation you must follow all the rules.

YOU MAY PAY ONLINE: CitePayUSA.com

ACCOMPLISHMENTS

- Continuing a positive workplace culture
- 97 vouchers have been approved and 73 have been completed, which means 73 more dogs and cats in our community have been Spayed/Neutered, Vaccinated and Microchipped.
- We are so happy and pleased to be awarded with the New Mexico Animal Welfare Program Grant in the amount of \$168,201 to help us make repairs and renovations to our facility!

PLANS FOR NEXT MONTH

- November Adoption Event will be held, keep an eye out on Facebook for a post about it

HOW TO ADOPT AND/OR RECLAIM A PET

 How to Adopt an Animal Under 6 Months of Age:	 How to Adopt an Animal Over 6 Months of Age:	 How to Reclaim Your Pet
Step 1: Prepay for rabies vaccination, microchip and spay or neuter at the vet of your choice. Step 2: Provide the invoice to Roswell Animal Services. Step 3: Sign a sterilization agreement for the pet. Step 4: Take your new pet home that day for our \$1 (cash) Adoption Fee. 	Step 1: Prepay for rabies vaccination, microchip and spay or neuter at the vet of your choice. Step 2: Provide the invoice to Roswell Animal Services. Step 3: Pay our \$1 (cash) Adoption Fee. Step 4: We hold your new pet until the vet appointment. Step 5: We transport your new pet to the appointment and you will take him or her home from the veterinarian's office. 	Step 1: Show your proof of ownership such as pictures or veterinarian receipts. Step 2: Prepay for rabies vaccination, microchip and spay or neuter at the vet of your choice. Step 3: Provide the invoice to Roswell Animal Services. Step 4: Pay our \$40 Reclaim Fee with an additional \$20 for each reclaim after. Step 5: We hold your pet until the scheduled vet appointment. Step 6: We transport your pet to the appointment and you will take him or her home from the veterinarian's office. 
Did you know? City Ordinance Sec. 4-61 Keeping of Dogs and Cats Each animal and transporter shall be accompanied, secured by a responsible person, at all times in any public place. Each animal shall be microchipped. Always provide your pet with fresh food and clean drinking water. 	Did you know? Cats and small dogs are typically considered a senior at the age of 10 or 11, while larger dogs are considered a senior at the age of 8 or 9. When you adopt an older cat or dog, they are usually gentle, trained and have developed their personalities. You'll know more about your pet's temper right away or compared to a puppy or kitten. Always provide your pet with fresh food and clean drinking water. 	Did you know? Dogs will escape because of social isolation, separation anxiety, reproductive drive or boredom. Dogs that are left alone for an extended period of time, whether inside or out, should have purchased toys, activities and distractions ready to engage themselves throughout the day until you come home. Always provide your pet with fresh food and clean drinking water. 

ISSUES AND CONCERNS

- We need (2) trucks for Animal Control Officers.
- Dogs on court hold for months and getting kennel stress

ANIMAL CONTROL OFFICERS

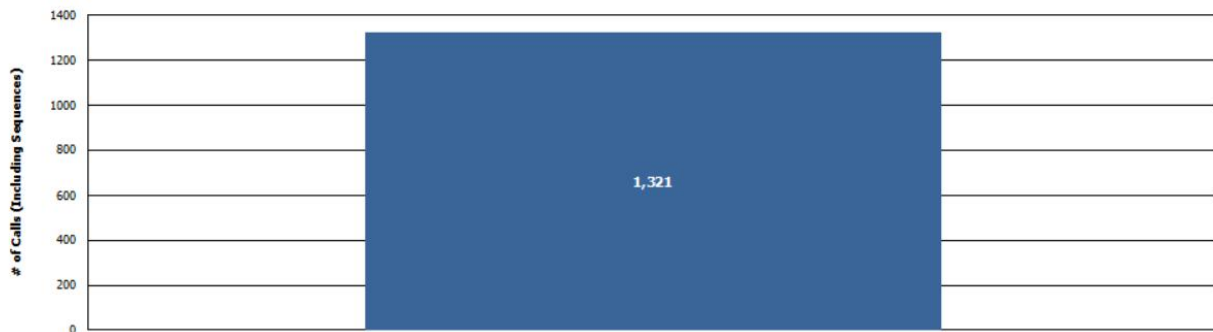
- Animal Control Officers are patrolling all schools and parks in the mornings.
- Animal Control Officers will patrol the base once a month

Last Month Activity-

CALL LOG CATEGORY



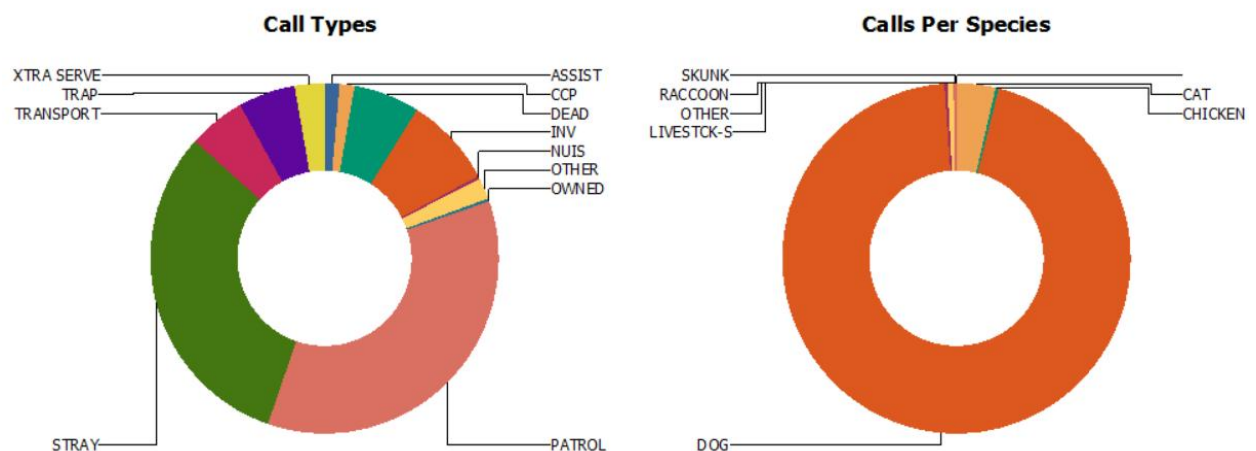
Activity Statistics by Jurisdiction
Calls Received Between 10/01/25 and 10/31/25



	NONE	TOTAL
GRAND TOTAL	1,321	1,321
ASSIST	17	17
NO SUBTYPE	1	1
FIRE	1	1
OTHER	5	5
POLICE	3	3
PUBLIC	7	7
CCP	20	20
NO SUBTYPE	6	6

	NONE	TOTAL		NONE	TOTAL
RETURN	14	14	NO SUBTYPE	8	8
DEAD	79	79	AGGRS	89	89
NO SUBTYPE	6	6	CONF	12	12
DMSTC	69	69	INJURED	19	19
OWNED	2	2	ROAM	284	284
WILD	2	2	SICK	3	3
INV	110	110	TRANSPORT	72	72
NO SUBTYPE	1	1	ANIMAL	65	65
ABAN	7	7	OTHER	4	4
BITE	17	17	SICK	1	1
CRUELTY	23	23	SURG	2	2
FOLLOW UP	50	50	TRAP	67	67
MUNIC	12	12	NO SUBTYPE	3	3
NUIS	5	5	BROKEN	1	1
BARK	2	2	DELIVERY	17	17
LARG	3	3	OCCUPIED	38	38
OTHER	27	27	PICKUP	8	8
NO SUBTYPE	27	27	XTRA SERVE	38	38
OWNED	2	2	NO SUBTYPE	38	38
OTHER	2	2			
PATROL	469	469			
NO SUBTYPE	469	469			
STRAY	415	415			

Total Calls Received: 1,320
Total Calls Including Sequences: 1,321



KENNEL WORKERS

Kennel workers continue to work hard and deep clean every day; we are appreciative of the work they do!

We would like to welcome Stanley Montoya to the team!

We have one kennel worker position open and will doing interviews next week.

TRAINING

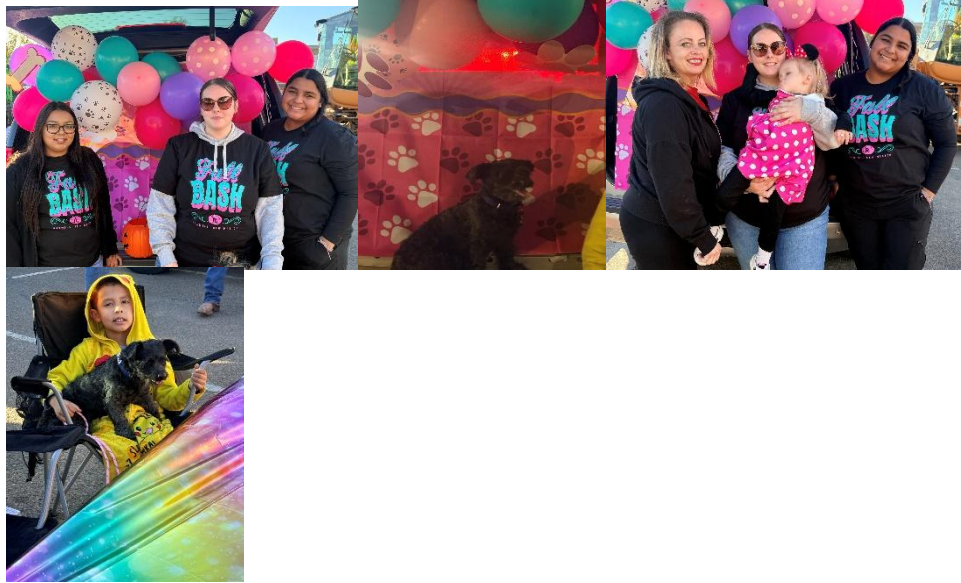
Stanley is currently working on completing his new hire training.

COMMUNITY OUTREACH/ENGAGEMENT

- Posting videos/photos on Facebook showing the adoptable animals
- Posting videos/photos on Facebook of animals that come into the facility hoping to reunite them with their owners as soon as possible.
- Posting videos/photos of dogs that are and will be at risk on Facebook to try and get them adopted, rescued or reclaimed.
- Pet of the week is posted in Sundays News Paper
- **OCTOBER ADOPTION EVENT AT THE LIBRARY!**



- **FALL BASH TURNOUT!**



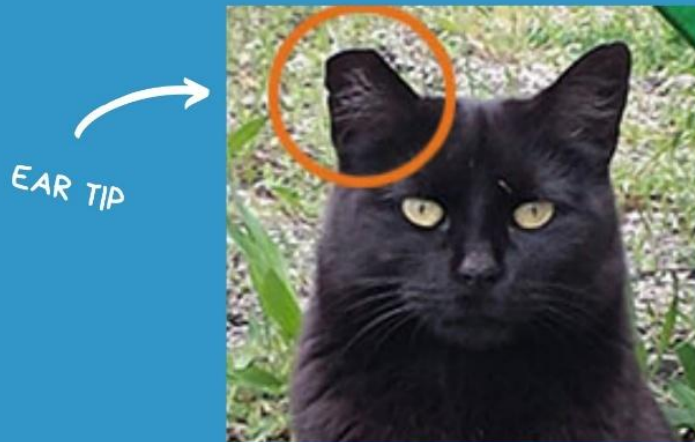
COMMUNITY CAT PROGRAM (TNR)

CAWL: 29 cats were either spayed or neutered, Vaccinated, and ear tipped

South Springs: 15 cats were either spayed or neutered, Vaccinated, and ear tipped

A TOTAL OF: 44 Cats fixed and released into the community in the month of September.

**LEAVE
THIS CAT
WHERE
IT'S AT**



This cat has been
spayed/neutered & vaccinated

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 10.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: N/A

CHAIR: N/A

DEPARTMENT NAME:

Community Development

Attachments

CDC Monthly October 2025

Community Development Mileage Report

CITY OF ROSWELL
COMMUNITY DEVELOPMENT CENTER
Month: October 2025

CODE ENFORCEMENT	This Month	This Month 2024	YTD*	2024 YTD*
Notices Mailed	589	495	3,191	2,820
Voluntary Compliance	333	264	1,712	1,424
No. of Cases Filed in Municipal Court	20	14	88	68
No. Cases Dismissed by Officer	15	7	38	14
Resolution	32	23	185	55
Weeds	475	281	2,528	1,560
Inoperable Vehicles	10	38	66	253
Litter	28	47	126	260
Unsanitary Premises	39	28	170	263
Signs	7	44	81	98
Zoning	5	1	17	1
Obstructions	13	9	50	59
Public Nuisances	12	47	153	326
Garage Sales No permit	0	0	0	0

BUSINESS LICENSES	This Month	This Month 2024	YTD*	2024 YTD*
Total Licenses Issued	154	203	511	639
Renewed Licenses	116	169	330	489
New Licenses	32	30	107	109
Temporary Permits Issued	6	4	74	41
Receipts	\$6,312.00	\$7,912	\$24,263.00	\$27,597

*Figures calculated to reflect FYTD

BUILDING INSPECTIONS	This Month	Permits Applied This Month 2024 & Fees Collected	Permits Applied YTD*	Permits Applied 2024 YTD*
Residential-New	3	4	10	18
Residential - Other	36	29	149	124
Commercial-New	0	0	2	6
Commercial - Other	5	16	52	40
Total Permits Issued	44	49	213	188
Total Fees Collected	\$17,249.45	\$23,661.15	\$154,560.75	\$116,108.12

PLUMBING/MECH INSPECTIONS	This Month	Permits Applied This Month 2024	Permits Applied YTD*	Permits Applied 2024 YTD*
Plumbing & Mechanical Permits—Residential	31	53	185	172
Plumbing & Mechanical Permits—Commercial	17	11	62	46
Total Permits Issued	48	64	247	218
Total Fees Collected	\$3,773.75	\$2,959.25	\$13,788.50	\$11,168.75

ELECTRICAL INSPECTIONS	This Month	Permits Applied This Month 2024	Permits Applied YTD*	Permits Applied 2024 YTD*
Electric Permits—Residential	32	23	120	109
Electric Permits—Commercial	10	16	46	47
Total Permits Issued	42	39	166	156
Total Fees Collected	\$4,075.00	\$3,210.00	\$17,757.50	\$16,611.80

*Figures calculated to reflect FYTD

Community Development Mileage

October 2025

Employee Name	Unit #	Vehicle	VIN last 5 #'s	Last Month Mileage Reading	Current Mileage Reading	Mileage Used for the Month
Miller Butts	573	2012 Dodge Ram 1500	31401	105,918	106,170	252
Mike Christensen	570	2011 Ford Ranger	10856	82,394	82,704	310
Gus Garcia	565	2004 Ford F-150	27032	139,948	140,482	534
Breck Walden		2013 Dodge Ram 1500	63019	123,821	124,176	355
Toby Franco		2009 Chevrolet Silverado 1500	27777	172,583	173,190	607
Rick Medrano	567	2008 Ford F-150	42918	123,915	124,278	363
Moe Orona	569	2005 Ford F-150	#04811	90,670	91,022	352
Carlos Romero	568	2012 Ford F-150	#04054	81,101	81,463	362
Rick Rodriguez		2013 Ford F-150	83804	34,623	35,250	627
Ray Lujan	554	2019 Chevrolet Express Van	50096	68,770	68,770	0
Esperanza DeLeon	796	2016 Ford Escape	32842	102,300	102,300	0

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 11.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

Consolidated Dispatch Monthly Report October

Attachments

PVRCC Monthly Report October

Consolidated Dispatch Monthly Report

Reporting Period:

- October 2025

Staffing and Training:

- We currently have 4 dispatchers in training. There are 6 total dispatcher positions vacant.
- We still have 5 contracted dispatchers are on site working and filling vacant shifts.
- Currently have 2 recruits that have moved to the law enforcement side and doing well, 1 is just transitioning over to the law enforcement side, 1 remains in the call taking phase
- Two administrative assistants have started. They are both doing very well at the assigned tasks.
- Testing has been done; interviews were conducted on November 10th the top 2 are being sent for background.

Operations

- Still battling CAD issues.
- The dispatch computers are starting to fail.

Equipment/Software

- CAD issues as listed above
- Dispatch computers are starting to fail this is creating delays in necessary daily tasks.
- Mindshare (Dispatch Radio Consoles) will be installed once the dispatch center moves to the new location.
- Prepared Live AI Assisted Call Taking is up and running dispatch will receive final training this week.
- Due to the Esinet implementation there are errors in the ECATS reporting system we are not able to get the numbers for the telephone volume for the month of October. Intrado, Converge One and Motorola are all working to correct this and hope to be able to have accurate numbers for November.

Facility

- The generator for the new area is still scheduled for delivery in late November. Still looking at a possible move date of January 2026.
- Working with DFA to possibly assist with covering cost for the admin furniture for the new dispatch location.

Grants

- No updates at this time.



Monthly Call Statistics

Unavailable this month due to Esinet implementation, ECAT reporting system is not functioning properly. Will provide the update next month.

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 12.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

AMR monthly report

Attachments

Monthly Report

City of Roswell
Public Safety Committee
Monthly Report



ROSWELL

KP Prescott
Operations Manager

**October 2025
Report**

AMR Roswell Monthly Report

October 2025

System status report as of October 31, 2025:

- **41 Personnel**
 - 30 Full Time
 - 14 Paramedics
 - 9 EMT-Intermediate
 - 6 EMT-Basics
 - 11 Part Time
 - 5 Paramedics
 - 3 EMT-Intermediate
 - 3 EMT-Basics

Currently we have 3 RFD personnel (3 AEMT's) working part time.

Actively recruiting, we have 3 Paramedic candidates.

- **5 Ambulances staffed daily.**
 - 4 – 24 hour ALS
 - 1 – 12 hour 0900-2100 ALS (AEMT)
 - Total of 108 Unit Hours Daily
- **1 Ambulance staffed as needed.**
 - 1 – 12 hour 0800-2000 BLS/ALS for LDT's
 - Total of 12 Unit Hours Daily

AMR continues to staff in 3 posting stations, our main Country Club station, RFD station 1, and RFD station 5 staffed and in full operations aiding in efficient response times.

EMD priority dispatching, ProQA has had a large impact on response times. We have received multiple EMS only non-emergent calls for service. **This month we have responded to 136 EMS only calls.**

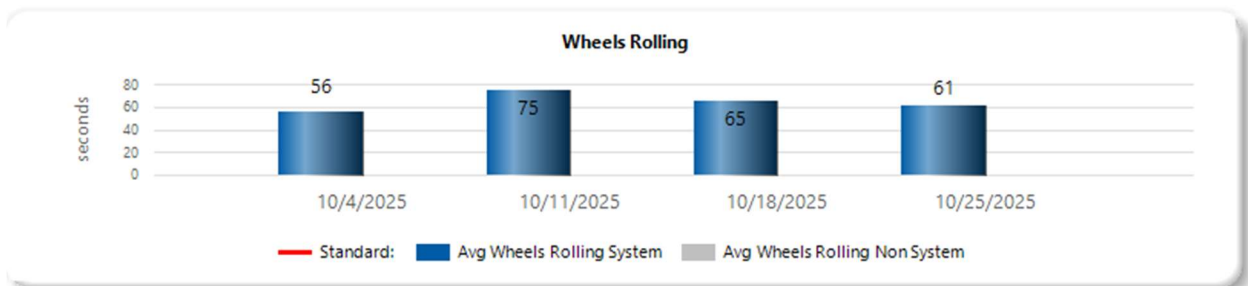
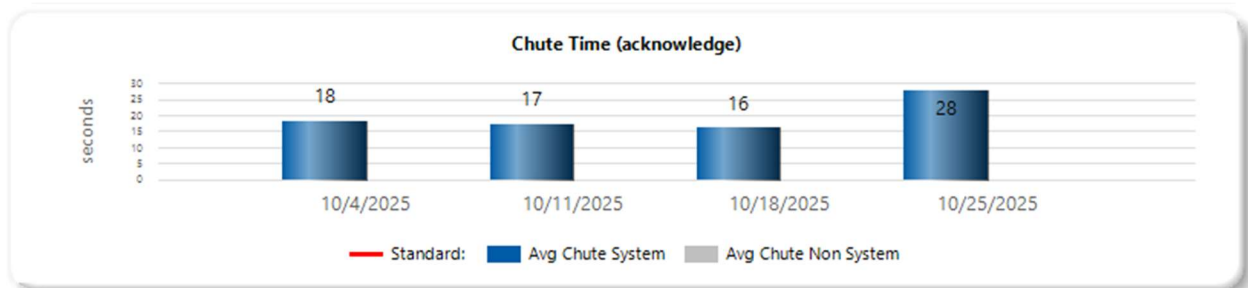
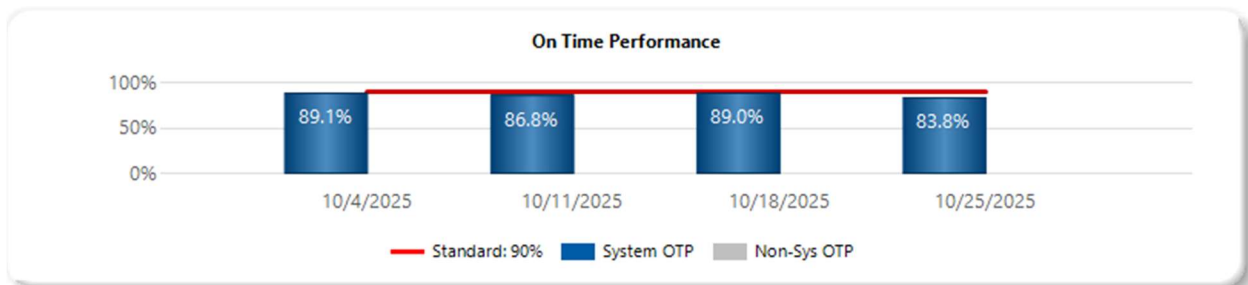
There was a decrease in total call volume this month including EMS only responses. In our continued QI process, we continue to see an increase in response times and have reemphasized to our teams the importance of a timely response to all calls for service. We are seeing the response times become quicker with out of the chute times less than 20 seconds and wheels rolling in under 1 minute.

Code 3 Compliance-Roswell NM

Excludes EMS Approved Exemptions

Responses between 10/1/2025 and 10/31/2025

Response Zone	Unit Number	Total Responses	Total Transports	Total Lates	Compliance Percent
⊕ NM Roswell		419	292	74	82.34%
⊕ NM Chavez County		81	59	0	100.00%



We are continuing to train and improve on our Special Skills. All our Paramedics are certified in RSI and Finger Thoracostomy for Advanced Airway Management in critically ill patients as well as advanced level medications in addition to the regular scope of practice. AMR Advanced EMTs are certified in ACLS with Advanced Cardiac Monitoring with 12 Lead ECG Interpretation and Benzodiazepines for Seizures and Agitated patients. At the September 5th meeting our Special Skills were renewed for another year with Gold Star reviews from the state Medical Director. AMR's Special Skills continue to raise the bar and bring an advanced level of care to the community of Roswell and Chaves County. We take great pride in our continued development and our commitment to providing high quality patient care.

We are proud of our very successful education program and continue training local employees that work and live in the Roswell community. Currently we are sponsoring 5 employees in the paramedic program, 2 who will graduate this fall and 1 attending Advanced EMT. To date we have trained nearly 20 employees in successfully advancing their licensure level.

We continue to partner with our local hospitals as active members of the Chest Pain / Stroke Committee and Multidisciplinary Trauma Committee and were recognized by the American College of Cardiology as an **EMS Partner in Care** with ENMMC. We continue to host teams from RFD and Chaves County EMS with joint training to aid in the development of a better EMS System in Roswell and Chaves County.

Ongoing support with community events with the schools for career days as well as providing standby service when needed.

AMR is dedicated to the community that we serve in and wants this committee to know that we are here to serve them.



City of Roswell Monthly Summary

1/1/2025 - 10/31/2025

City of Roswell	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Total
911 Responses	748	650	728	638	711	670	723	698	692	686	6,944
IFT Responses	154	155	169	188	172	159	160	176	132	144	1,609
Total Responses	902	805	897	826	883	829	883	874	824	830	8,553
Total Canceled	64	77	77	86	93	82	87	65	88	70	789
Total Dry Runs	215	184	220	211	201	169	211	205	221	198	2,035
Total Transports	623	544	600	529	589	578	585	604	515	562	5,729
Total Lates	14	12	7	17	9	10	4	9	5	5	92
Total to Lovelace	83	84	60	54	71	83	69	72	75	68	719
Total to Eastern NM Med	402	315	375	306	353	344	368	370	314	353	3,500

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 13.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

RPD monthly report

Attachments

RPD Monthly report

Roswell Police Department

Monthly

October 2025



Submitted by
Chief of Police
Lance Bateman

Roswell Police Department
128 West Second Street
Roswell New Mexico USA 88201
(575) 624-6770 Fax (575) 624-6780

CONTENTS

Department Summary 3

Patrol/Traffic/SWAT 3-5

Professional Standards 6-7

Support Services/Training and Recruiting/Neighborhood Watch/RTCC 8-12

Special Investigations Division 12

Criminal Investigations Division 13-14

Technical Services Unit/Property 15

Peer Support 16-17

Monthly Statistics 18-20

Department summary

- Engineers and HVAC professionals have determined that the PD will need a new AC system that will need to be installed in phases. The building will need new electrical throughout to sustain the new system. This project is expected to take 16-24 months total. All command staff, IA, RTCC and IPRA personnel will have to find a new building to work out of during this time. Possible location to move to is ILEA building at the base. The quote for new AC and rewiring has come in a 13.3 million dollars.
- Five recruits graduated the law enforcement academy and will start FTO training phase.

Patrol/Traffic

MONTH'S ACTIVITIES

Accidents:

The total accidents reported for the month: 78

Adam 12 Baker 14 Charlie 20 Delta 9 Echo 21 Frank 2 Unknown 0

Of the 78 accidents, 10 were with injuries and 14 persons reported injuries and we had 1 fatality as a result for the month.

67 were reported during the day, 0700-1800 hours

9 were reported during the night, 1800-0700 hours

15 were reported as hit-and-run accidents

0 DUI arrest related to accident

Citations related to accidents:

27 for failure to yield/stop

2 for speed

25 for driver inattention

10 improper lane change

10 for moving violations (backing, overtaking etc.)

2 for other non-moving issues (weather, road conditions, hit-and-runs with no other information)

2 for no driver's license

3 for no insurance

0 for no seat belt

Total: 81

CATEGORY	Day shift	Swing shift	Midnight shift	Total
1. Dispatched calls	1351	922	750	3023
2. Incident reports	184	159	105	448
3. Supplement reports	147	101	115	363
4. Self-initiated	254	125	162	541
5. Warrants served	56	35	30	121
6. Probable Cause arrests	35	31	46	112
7. Summons/warrant obtained	18	14	15	47
8. Traffic stops	107	148	201	456
9. Moving/park citations	86	131	120	337
10. Accident reports	48	16	1	65
11. FI cards	1	1	0	2
12. Open doors	27	27	71	125
13. Officer-assist calls	212	373	245	830
14. Total arrests	83	55	66	204
15. Arrest citations	11	8	9	28
16. Total activities	2708	2142	1936	6786

ACCOMPLISHMENTS

- Completed some shoplifting details this month that will continue into November with 12 arrests on two different details and two of the 12 arrests were felony level.
- Almost all of Patrol has completed the Annual training for this month.
- ENMSF was completed with minor issues.
- Some Patrol Officers and Patrol Sergeants have completed RPD Policy on Lexipol.

PLANS FOR NEXT MONTH

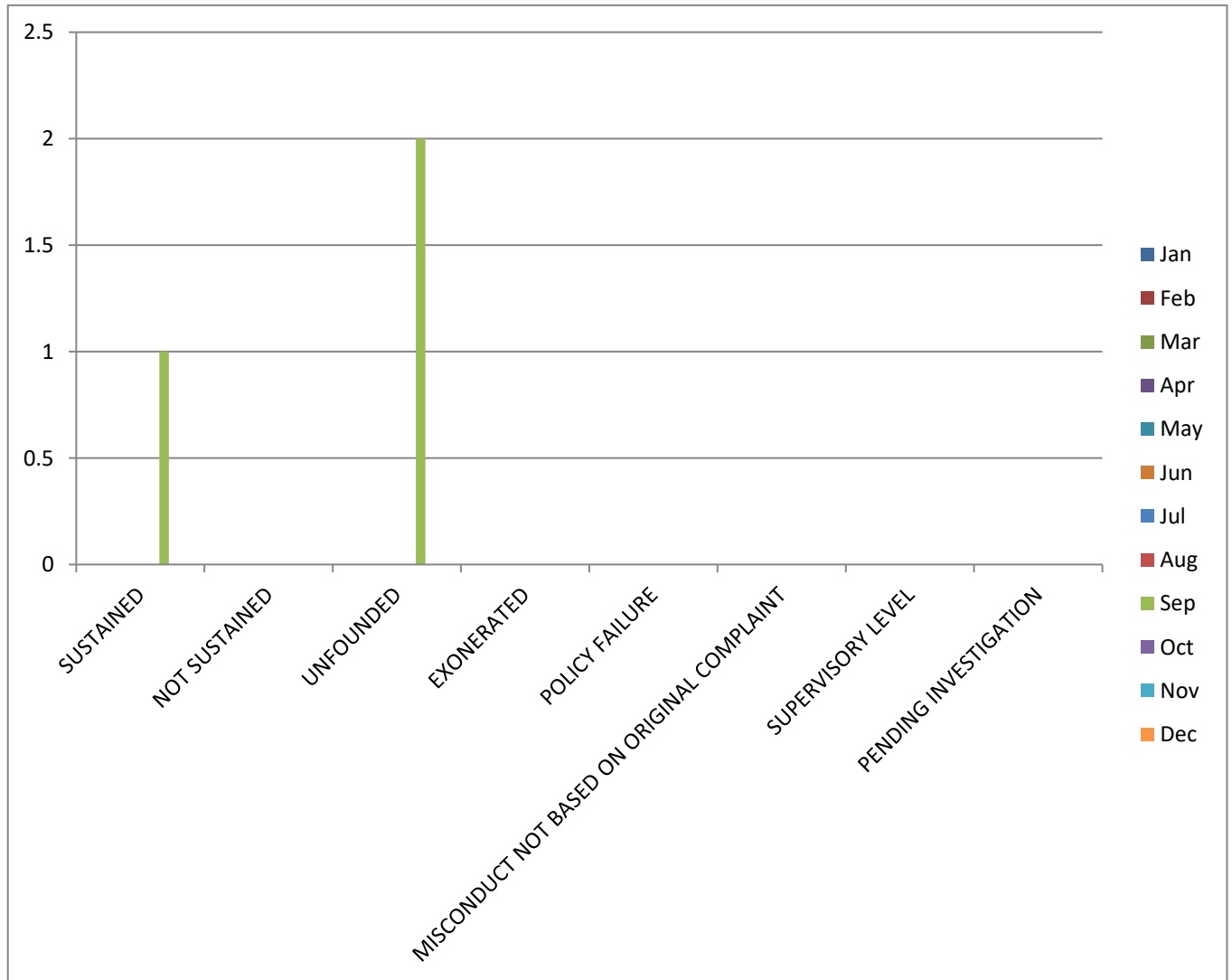
- Getting an advanced Courtroom class for new officers this month or December. This will be held by City Attorney at Roswell Municipal Court.
- Two of the five graduates will complete FTO and be released to their patrol shifts.
- Continue to push Patrol Officers and Patrol Sergeants to complete RPD Policy.
- Send Traffic Officers R. Cardiel and R. De La Cruz to CDR Training.
- Continue to push Patrol Officers and Sergeants to complete Annuals and Bienniums.

ISSUES AND CONCERNS

- Vehicles are becoming an issue again in reference to two issues, 1) 3 units which are out of service due to mechanical issues and waiting for parts that have been placed on hold by Dodge, (2 Dodge SUVs and 1 Ford Exp.) 2) Two are crashed vehicles waiting for insurance to pay. The Dodge Durangos are having issues with radiator hoses, oil coolers and fuel pumps. The Ford Exp. has been at the Ford house for three weeks and they still do not know what is wrong with it.
- CID lost another Detective, Detective Ness (6½-yr officer) to Roswell Fire Department due to higher salary. This means that Patrol will be losing another officer to CID and we are losing another officer to SID in December replacing Mark Fuentes who left RPD to an oil and gas company for higher pay. Two SID Detectives have their applications out to HSI. We had two laterals from local agencies interested, but they did not pass the RPD application process.

Professional Standards (Internal Investigations)

Internal Investigations Monthly Report – October 2025



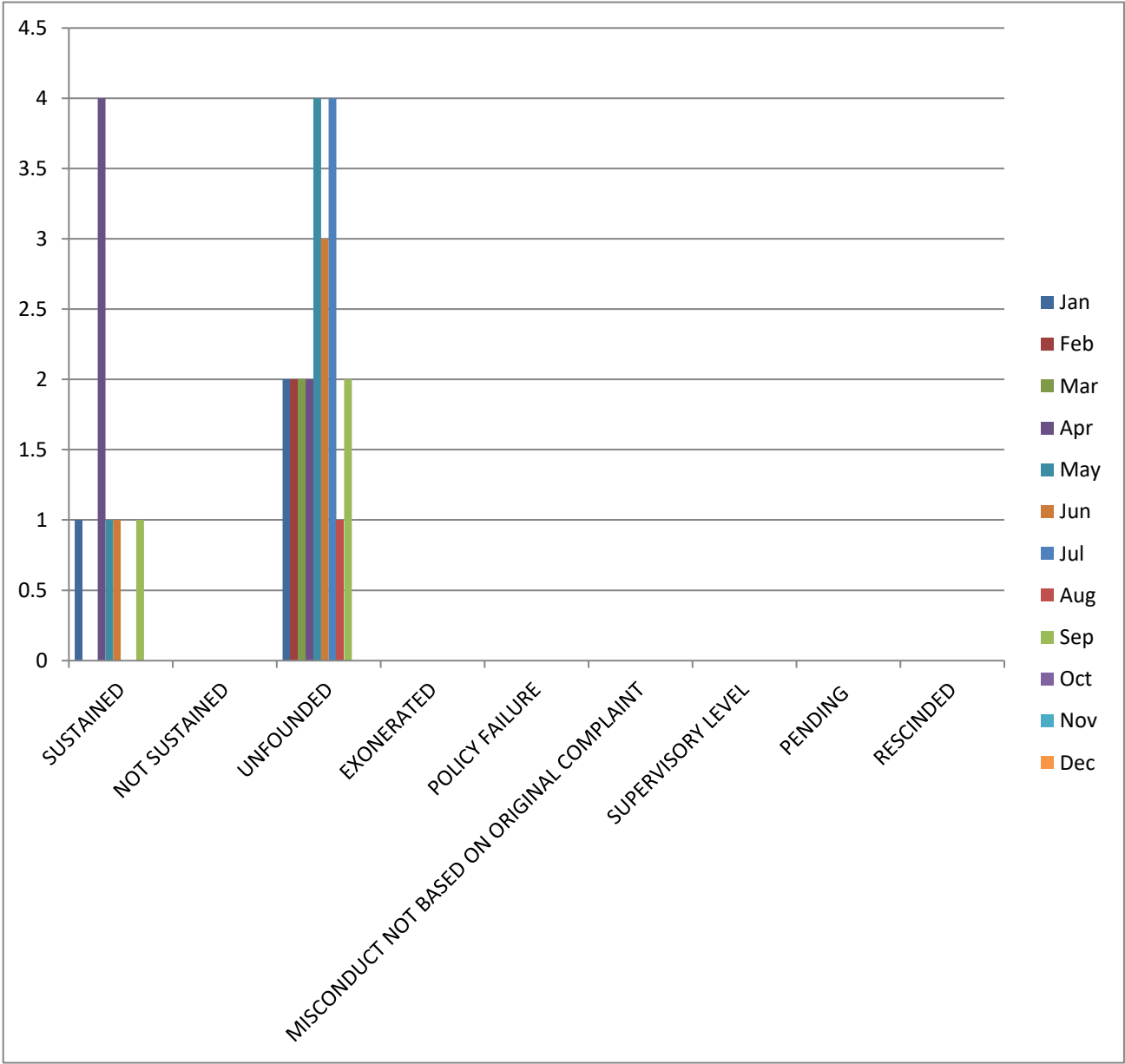
Total Complaints Received: 3

Pending Investigations: 0

Internally Generated: 0

Citizen generated: 3

**Internal Investigations
Monthly Report – Year to Date 2025**

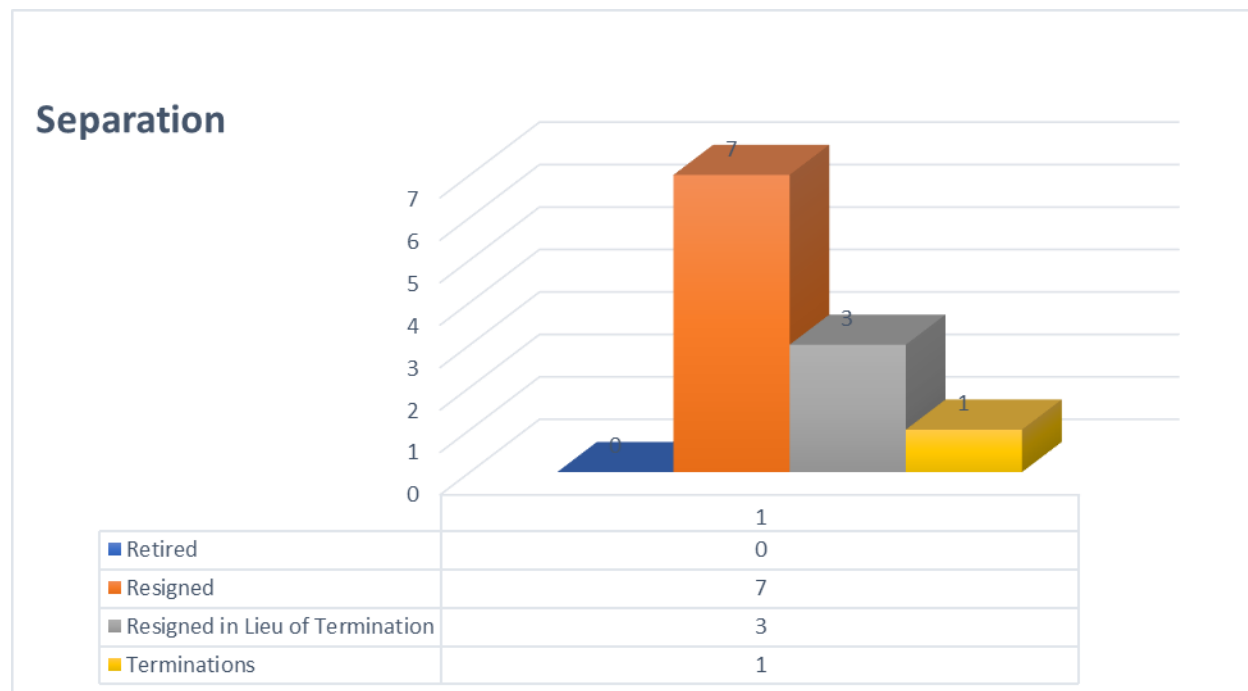
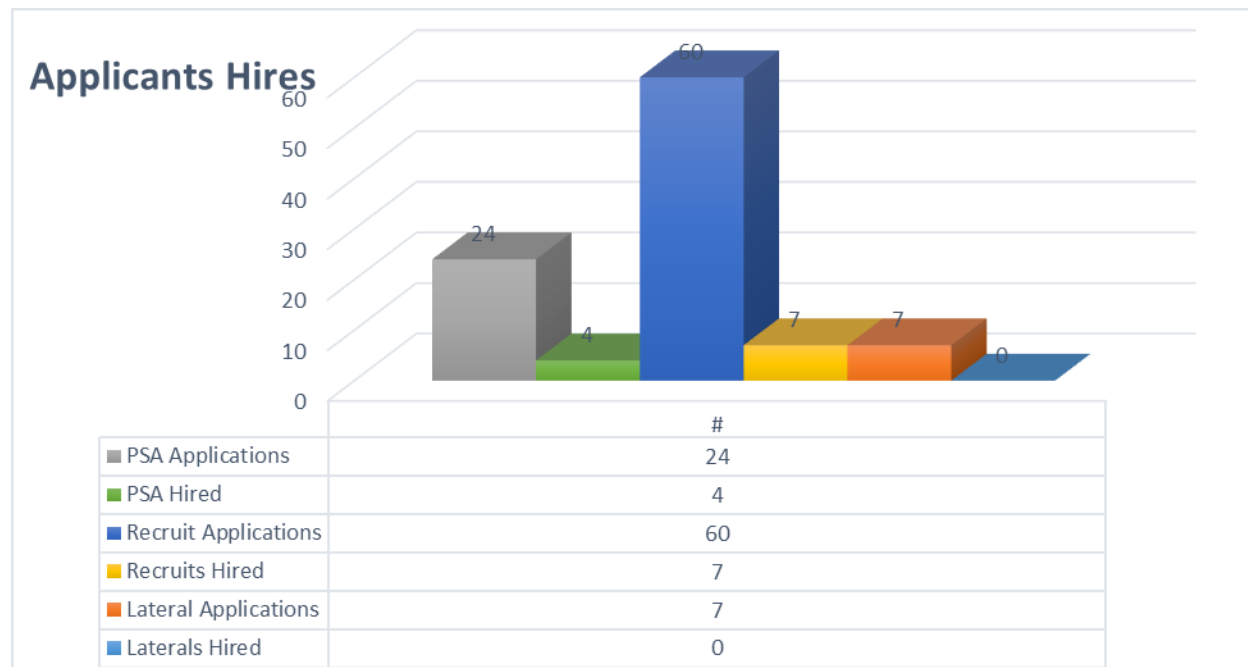


Total complaints received: 30
Pending Investigations: 0
Internally Generated: 5
Externally Generated: 25

Support Services/Training and Recruiting/ Neighborhood Watch/Real-Time Crime Center

RECRUITING

Currently the department has 88 sworn personnel and 104 total allotted positions for sworn personnel. We have 12 vacant positions with 3 applicants in the hiring process for recruit officers. The recruiting division is currently holding recruit testing every first and third Thursday of the month.



RECRUIT TESTING:

Thursday, October 2: 2 applicants attended the testing. 1 applicant is currently in the hiring process for Police Recruit.

Thursday, October 16: 4 applicants attending testing. 3 Police Recruit applicants are currently in the hiring process.

OCTOBER HIRES: (3)

NAME	STATUS
Greg De Los Santos (PSA)	Hired on October 24th
Michael Payne (PSA)	Hired on October 24th
Gabriel Carrillo (PSA)	Hired on October 24th

LATERAL/RECRUIT APPLICANTS CURRENTLY IN PROCESS: (2)

NAME	STATUS
Carlos Acosta	Hire date pending – paperwork submitted to City Hall
Bryce Sanchez	Pending Chief's Interview

PSA APPLICANTS CURRENTLY IN PROCESS: (2)

NAME	STATUS
Antonio Balbino	Hire date pending – paperwork submitted to City Hall
Vincent Gomez	Backgrounds (H. Gonzales)

PROJECTED HIRE DATES OR RELEASED FROM HIRING PROCESS: (2)

NAME	STATUS
Abdul Dieng (Officer)	Removed from hiring process
Ramona Woody (Officer)	Removed from hiring process

OCTOBER LOSSES: (1)

Officers resigned/terminated or retired

NAME	REASON
Erik Castillo	Resigned – Hired at another agency (ICE)

Community Outreach & Neighborhood Watch:

October 10

Officer Morales and Officer Gonzalez attended a recruiting event in El Paso, Texas. The event specifically targeted first-responder personnel, with the majority of attendees being military veterans or active-duty members of the armed forces.

October 21

Officer Morales, Officer Gonzales, Officer Fontanez and new recruits partnered with Starbucks for a **Coffee with a Cop** community engagement event. Officers worked behind the counter to serve customers their drinks while engaging in friendly conversations with members of the community.



October 22

Officer Morales and Officer Gonzalez conducted a presentation for a Criminal Justice class at Eastern New Mexico University – Roswell. The officers discussed career opportunities in law enforcement, the hiring process, training requirements, and shared personal experiences from the field. The presentation aimed to encourage students pursuing careers in criminal justice and provide insight into the realities of law enforcement work.



October 25

Officer Morales participated in the National Prescription Drug Take Back event hosted at Walgreens, located at 1200 S. Main St. The event provided the community with a safe and responsible way to dispose of unused or expired medications, helping to prevent prescription drug misuse and protect the environment.

October 29

Sgt. Nguyen, Officer Morales and Officer Gonzalez participated in Target's Happy Halloween community event. Officers distributed candy to children visiting the store and interacted with community members throughout the event. The activity promoted positive community relations and provided an opportunity for families to engage with local law enforcement in a fun, family friendly environment.



October 30

Officer Morales, Officer Gonzales and Officer Fontanez attended the Fall Bash event hosted by the City of Roswell. The officers represented the department and interacted with community members throughout the event.

Training:**October 10-14**

Sgt. Nguyen and Sgt. Bailey attended the International Association of Chiefs of Police (IACP) Conference in Denver, Colo. The conference brought together law enforcement leaders from across the country to share best practices, discuss emerging trends, and attend training sessions focused on leadership, technology, community engagement and officer wellness.

Academy:

Five of the Roswell Police Department's newest officers were among the officers who graduated Oct. 29 from the New Mexico Law Enforcement Academy in Santa Fe. The graduates, who are seen left to right in the center of the photo holding certificates, are officers Gabriella Contreras, Melecio Flores, Alexander Vargas, Gregory Brady and Starrett Huntsman. Other members of RPD joining the graduates at the graduation ceremony, left to right in photo, were Training Officer Daniel Fontanez, Officer Hugo Gonzalez, Sgt. Trong Nguyen, Deputy Chief Alberto Aldana, Chief Lance Bateman and Deputy Chief Mike Taylor.



REAL-TIME CRIME CENTER HIGHLIGHTS

October 16 – Sgt. Wrenn deployed the drone on a shoplifting in progress at Home Depot. The suspect vehicles (2) were located leaving the parking lot. Their location was relayed to Patrol, who located both vehicles and numerous subjects in the Allsup's parking lot at Country Club and Main. One arrest was made for the shoplifting and an active warrant.

October 21 – At 0130 hours, Nova Cunningham flew the drone on a burglary in progress at Xcel on East Bland. She located two subjects outside the fence of the property. They began to run away as officers arrived. She tracked the males and relayed their locations to Patrol. The males were located shortly after, hiding from officers. They were both arrested.

DRONE STATISTICS

FLIGHTS: 249

FLIGHT TIME: 45:18 flight hours

DISTANCE TRAVELED: 444.3 miles

REPORTS: 169

CALLS FOR SERVICE: 159

REQUESTED ASSISTANCE: 0

ARRESTS: 4

CLEARED CALLS: 8

DIRECTED PATROL: 2

ADDITIONAL

Special Investigations Div./Chaves County Metro Narcotics Task Force

New Activities – 54 new activities were generated this month. Agents executed 6 search warrants, made 5 controlled buys of narcotics, seized 8 firearms, made 35 arrests and had 8 activities that were classified as "Other."

Agents seized more than \$35,000 of illegal narcotics this month (street value)

Criminal Investigations Division

Tuesday 10-7-2025

Det. Shannon obtained a DNA search warrant for Rodolfo Gordillo-Diaz as part of sexual assault investigation.

Det. Ness obtained a search warrant for T-Mobile for a larceny investigation.

Wednesday 10-8-2025

Det. Ness obtained a search warrant for AT&T for a larceny case.

Saturday 10-11-2025

Det. Shannon was called out to 310 S. Richardson for an aggravated battery. A female had been strangled and was transported to the hospital with life threatening injuries. She was flown out and did end up surviving. Det. Shannon obtained an arrest warrant for Daniel Andazola for Aggravated Battery Against a Household Member.

Monday 10-13-2025

Det. Barrientos obtained a search warrant for Tracy Harris as part of a child solicitation investigation.

Tuesday 10-14-2025

Det. Basile obtained an arrest warrant for Matthew Trujillo for Felon in Possession and Tampering with Evidence.

Det. Barrientos obtained two search warrants, one for Wells Fargo and one of a purse that had been booked in, for two separate property crimes cases.

Thursday 10-16-25

Det. Shannon obtained an arrest warrant for Luis Angel Marmolejo for two counts of Child Solicitation by Electronic Device, four counts of Criminal Sexual Contact of a Minor, and two counts of Criminal Sexual Penetration.

Det. Ness obtained a search warrant for a vehicle that had been towed and secured for a larceny investigation.

Friday 10-17-2025

Det. Basile obtained two DNA search warrants for two subjects involved in a 2021 homicide. The search warrants were executed in Albuquerque on Monday, 10/20/25 with the assistance of NMSP.

Monday 10-20-2025

Det. Ness obtained an arrest warrant and arrested Carlos Renteria for two counts of Criminal Damage over \$1,000, Conspiracy to Commit Criminal Damage over \$1,000, Possession of Burglary Tools, and Larceny over \$250. Det. Ness also obtained search warrants for Mr. Renteria's person, vehicle, and cell phone.

Tuesday 10-21-2025

Det. Ness obtained an arrest warrant for Rickey Jimenez for two counts of Criminal Damage over \$1,000, two counts of Larceny over \$500, two counts of Receiving Stolen Property over \$1,000, and Possession of Burglary Tools.

Det. Franklin obtained an arrest warrant for a juvenile for Criminal Sexual Penetration and Criminal Sexual Contact of a Minor.

Det. Ness obtained a search warrant for 305 W. Forest for a burglary case. While executing the search warrant, detectives located items from another burglary which occurred at a skate shop downtown. Det. Barrientos obtained a separate search warrant so those items could be seized.

Det. Franklin obtained a DNA search warrant for a juvenile as part of a sexual assault investigation.

Wednesday 10-22-2025

Det. Ness obtained an arrest warrant for Vinancio Ramirez for Burglary, Larceny over \$1,000, and Receiving Stolen Property.

Thursday 10-23-2025

Det. Shannon obtained three search warrants for DNA and phones on various cases.

Tuesday 10-28-2028

Det. Barrientos obtained a search warrant for 3414 S. Union for a burglary case.

Det. Franklin obtained a search warrant for Wells Fargo Bank Records as part of a fraud investigation.

Technical Services Unit/Property

The division highlights for October:

TSU highlights

- TSU helped with the execution of **20** search warrants.
- TSU responded to **16** callouts.
- TSU processed **23** items.
- TSU constructed **1** photo array for CID and Patrol.
- TSU conducted **3** trainings for Patrol and itself.
- TSU conducted **6** phone extractions.
- TSU conducted **1** video enhancements.
- TSU assisted with **35** calls for service.
-

Property Highlights

Property booked in the following: total items, including **468** drug items, and **33** firearms.

- **89** items sent to lab.
- **0** Cash deposited
- **0** Items transferred to outside agencies (ATF/HSI/FBI).
- **61** Items returned to owner/other.
- **0** Destruction Orders obtained and executed. **0** items were destroyed based on these Destruction Orders. There are **8** Destruction Orders in progress.
- **0** firearms destroyed per destruction order.

	YTD	September
Items booked in	4338	468
Guns	288	33
Drugs	1004	107
Sent to lab	608	89
Cash Deposits	2	0
Money deposited	\$50,384.88	0
Transferred	48	0
RTOW/RETO	395	49
D.O.'s Executed	1	0
Total Items Dest.	442	0
Firearms Dest.	0	0

Peer Support

The highlights for October:

Wellness Highlights

- Monthly meeting took place virtually on October 2 for the Roswell Police Department, Roswell Fire Department, Dispatch Center and Police Chaplain teams.
- Roswell Police Department is hosting the Advanced Peer Support Training November 11-14 through PSPG with Dr. Rogers at New Mexico Game and Fish.

K9 Highlights

- K9s conducted **11** visits
- K9s provided Victim Support on **1** case
- K9s responded for **0** Critical Incident Calls
- K9s participated in **0** Community Events

Police Chaplain Highlights

- Police Chaplains did **4** Ride-Alongs
- Police Chaplains responded for **2** Critical Incident Calls
- Central Nazarene Church donated muffins

Peer Support		
Member	Status	Availability
Adam Rhodes	Active	24/7
Randy Rodriguez	Active	24/7
Pat Silvas	Active	24/7
Shady Nguyen	Active	24/7
Ashley Hunter	Active	24/7
*Peer Support Team Members are available on a 24/7 basis and can be reached in person or over the phone.		

K9s				
	Visits	Victim Assistance	Critical Incidents	Community Events
Beaumont	6			
Kiki	5	1		
Chevy		1		
*K9s are available on a 24/7 basis and work a regularly scheduled shift on Wednesdays. *Facility K9s Coordinator is Gina Yeager (575-626-2422).				

Police Chaplains		
Chaplain	Ride-Alongs	Critical Incidents
Donovan Fulkerson	1	1
Joel Wood	1	1
Sean Reeves		
Jett Davis	2	
*Police Chaplains are on an on-call rotation and one is available 24/7. They may be utilized for personnel or the public affected by Critical Incident Calls. Critical Incident calls can vary from Traffic Collisions, Shootings and Deaths to calls involving Children and anything in between.		

ROSWELL POLICE DEPARTMENT
MONTHLY REPORT – OCTOBER 2025

	THIS MONTH	THIS MONTH LAST YEAR	YEAR TO DATE	LAST YEAR TO DATE	% Change (+/-)
CRIMES AGAINST PERSONS					
<i>Murder*</i>	0	1	8	7	14.29%
<i>Justifiable Homicide</i>	0	0	0	0	0.00%
<i>Criminal Sexual Penetration</i>	2	4	20	17	17.65%
<i>Robbery</i>	2	0	14	21	-33.33%
<i>Aggravated Assault/Battery</i>	21	18	229	288	-20.49%
<i>Minors-Sexual Penetration</i>	3	0	18	13	38.46%
<i>Minors-Sexual Contact</i>	4	2	22	28	-21.43%
<i>Child Abuse</i>	5	7	39	50	-22.00%
Crimes Against Persons (Non-Violent)*	222	177	1931	2016	-4.22%

CRIMES AGAINST HOUSEHOLD MEMBER					
<i>Domestic Violence-Physical Contact</i>	52	42	449	473	-5.07%
<i>Domestic Violence-Verbal</i>	33	40	317	329	-3.65%

PROPERTY CRIMES					
<i>Burglary</i>	9	19	155	147	5.44%
<i>Larceny</i>	78	88	734	720	1.94%
<i>Motor Vehicle Theft</i>	7	5	78	70	11.43%
<i>Criminal Damage</i>	55	63	533	535	-0.37%
<i>Graffiti</i>	0	0	4	6	-33.33%
<i>All Other Crimes Against Property</i>	14	23	222	249	-10.84%

DWI	7	8	101	114	-11.40%
------------	----------	----------	------------	------------	----------------

PERSONS ARRESTED	369	316	3453	3662	-5.71%
-------------------------	------------	------------	-------------	-------------	---------------

TRAFFIC REPORT					
<i>Fatal Accidents</i>	0	1	2	8	-75.00%
<i>Injury Accidents</i>	10	18	160	184	-13.04%
<i>Property Damage Only</i>	66	44	601	543	10.68%
<i>Traffic Citations</i>	416	497	5,090	5,244	-2.94%

TOTAL ACTIVITIES					
<i>Officer Initiated</i>	2,423	2,084	19,346	20,294	-4.67%
<i>Calls for Service</i>	2,347	2,972	24,133	27,298	-11.59%

*Less Justifiable Homicide i.e.: self-defense, officer-involved shootings, etc.

PART I CRIMES	THIS MONTH	THIS MONTH LAST YEAR	YEAR TO DATE	LAST YEAR TO DATE	% Change (+/-)
CRIMINAL HOMICIDE TOTAL	0	1	8	7	14.29%
<i>Murder/Nonnegligent Homicide</i>	0	1	6	6	0.00%
<i>Manslaughter By Negligence</i>	0	0	2	1	100.00%
FORCIBLE RAPE TOTAL	5	4	38	30	26.67%
<i>Rape By Force</i>	5	4	37	30	23.33%
<i>Attempts to Commit Forcible Rape</i>	0	0	1	0	NA
ROBBERY TOTAL	2	0	14	19	-26.32%
<i>Firearm</i>	0	0	3	7	-57.14%
<i>Knife or Cutting Instrument</i>	0	0	2	2	0.00%
<i>Other Dangerous Weapon</i>	2	0	3	4	-25.00%
<i>Strong-Arm (Hands, Fists, Feet, Etc.)</i>	0	0	6	6	0.00%
ASSAULT TOTAL	131	104	1212	1348	-10.09%
<i>Firearm</i>	10	4	113	130	-13.08%
<i>Knife or Cutting Instrument</i>	5	6	36	44	-18.18%
<i>Other Dangerous Weapon</i>	6	5	47	58	-18.97%
<i>Hands, Fists, Feet, Etc.-Aggravated Injury</i>	0	3	33	56	-41.07%
<i>Other Assaults-Simple, Not Aggravated</i>	110	86	983	1060	-7.26%
BURGLARY TOTAL	19	19	165	147	12.24%
<i>Forcible Entry</i>	16	12	106	105	0.95%
<i>Unlawful Entry-No Force</i>	2	7	44	40	10.00%
<i>Attempted Forcible Entry</i>	1	0	15	2	650.00%
LARCENY THEFT TOTAL	78	88	734	720	1.94%
MOTOR VEHICLE THEFT TOTAL	7	5	78	70	11.43%
<i>Autos</i>	4	4	66	60	10.00%
<i>Trucks and Busses</i>	0	1	1	4	-75.00%
<i>Other Vehicles</i>	3	0	11	6	83.33%
GRAND TOTAL	242	221	2249	2341	-3.93%
CRIMES NOT REPORTED ELSEWHERE					
<i>Arson</i>	1	3	15	22	-31.82%
<i>LEOKA* (Also shown in Part I Assaults)</i>	21	20	209	267	-21.72%

*Law Enforcement Officers Killed or Assaulted

	THIS MONTH	THIS MONTH LAST YEAR	YEAR TO DATE	LAST YEAR TO DATE	% Change (+/-)
PART II CRIMES					
CRIMES AGAINST PERSONS (Non-Violent)					
<i>Weapons Violations</i>	12	7	91	118	-22.88%
<i>Voyeurism Prohibited</i>	0	0	1	3	-66.67%
<i>Indecent Exposure</i>	2	1	15	13	15.38%
<i>Child Solicitation by Electronic Means</i>	1	1	6	5	20.00%
<i>Enticement of a Child</i>	0	0	2	0	NA
<i>Custodial Interference</i>	6	0	28	15	86.67%
<i>Disorderly Conduct</i>	12	11	104	118	-11.86%
<i>Disorderly House</i>	1	0	9	4	125.00%
<i>Criminal Trespass</i>	22	20	183	184	-0.54%
<i>Simple Assault/Simple Battery</i>	110	86	983	1060	-7.26%
<i>Harassment</i>	12	8	85	55	54.55%
<i>Stalking</i>	0	2	22	18	22.22%
<i>Kidnapping</i>	0	1	5	4	25.00%
<i>Threats</i>	10	7	92	70	31.43%
<i>Public Affray</i>	4	4	30	32	-6.25%
<i>Public Nuisance</i>	12	8	77	77	0.00%
<i>Runaway</i>	6	7	81	142	-42.96%
<i>Emergency Removal</i>	6	4	50	37	35.14%
<i>Missing Person</i>	3	5	34	23	47.83%
<i>TRO Violation</i>	3	5	33	38	-13.16%
TOTAL	222	177	1931	2016	-4.22%
CRIMES AGAINST PROPERTY					
<i>Forgery</i>	3	1	21	18	16.67%
<i>Fraud</i>	7	16	109	131	-16.79%
<i>Embezzlement</i>	1	0	20	18	11.11%
<i>Shooting at Unoccupied Dwelling or Veh</i>	2	1	19	21	-9.52%
<i>Stolen Property Possession/Recovery</i>	1	2	18	10	80.00%
<i>Identity Theft</i>	0	3	35	51	-31.37%
TOTAL	14	23	222	249	-10.84%
GRAND TOTAL	236	200	2153	2265	-4.94%

	THIS MONTH	THIS MONTH LAST YEAR	YEAR TO DATE	LAST YEAR TO DATE	% Change (+/-)
IPRA Requests					
<i>IPRAs for Lapel Video</i>	45	55	865	207	317.87%
<i>IPRAs All Other</i>	270	111	1129	407	177.40%
<i>Video Redaction Hours</i>	212	117	2232.47	777.5	187.13%
IPRA Requests Total	315	166	1994	614	224.76%

ROSWELL NEW MEXICO
COMMITTEE AGENDA ITEM ABSTRACT

Monthly Department Reports 14.

Public Safety Committee

Meeting Date: 11/18/2025

COMMITTEE: Public Safety

CONTACT: Mike Mathews

CHAIR: Juliana Halvorson

DEPARTMENT NAME:

Roswell Fire Department

Attachments

Fire

ROSWELL FIRE DEPARTMENT

Monthly Report

October 2025



Roswell Fire Department
200 S. Richardson Ave
Roswell, NM 88203
Ph: (575) 624-6800

Staffing Outlook

Fire Chief –	Steve Chavez –	701
Deputy Chief –	Daniel Fuller -	702
Deputy Chief –	Derek Washichek –	703
Training Chief –	Fernando Garcia –	711
EMS Chief –	Randy Bunch –	712
Fire Marshall-	Jared Olive -	721
Deputy Fire Marshal -	Chris Casey-	722
Deputy Fire Marshal -	Preston Washington	723
A-Shift Battalion Chief –	Jared Jennings –	Bat 1
B-Shift Battalion Chief –	Cory Mealand –	Bat 1
C-Shift Battalion Chief –	Kevin Hernandez –	Bat 1
Sr. Admin Assistant -	Lorena Borunda	
Admin Assistant -	Zoe Thompson	

Lieutenants –	Fully Staffed	Current	Open
	24	24	0
Engineers-	Fully Staffed	Current	Open
	30	22	8
Firefighters-	Fully Staffed	Current	Open
	27	21	6
Recruit Academy-	In Session		Open
	9		5

Department Overview

October 2025 was a high-tempo month for the Roswell Fire Department, marked by significant emergency responses, major community engagement efforts, advanced training initiatives, and important administrative progress. Every division—from frontline crews to administrative staff—continued working together toward the department’s long-term goals, including improved service delivery, enhanced operational readiness, and continued progress toward future ISO 1 accreditation.

This month also brought substantial financial support for RFD, allowing the department to advance critical infrastructure and operational upgrades.

Administrative Highlights

The Roswell Fire Department secured **two major state grants** totaling **\$1,570,000** to support operational improvements, equipment, and infrastructure:

- **\$970,000 State Grant**
- **\$600,000 State Grant**

These awards reflect the department’s strong planning efforts, regional value, and demonstrated need for ongoing investment.

Additionally, the department’s **Water Hydrant Project** has officially begun, supported by **Councilor Cortez**. This project directly advances ISO readiness, improves fire flow reliability, and strengthens citywide fire protection capabilities.

Progress also continued on several department-wide administrative and quality improvements:

- **EMS Rx** continued assisting with the department’s QA/QI processes and documentation review.
 - Development of **9th Brain** software remains underway to modernize training, recordkeeping, and compliance tracking.
 - **QA Officers** remained active in improving training documentation, station inspections, and report accuracy.
-

Notable Incidents

Crews responded to a wide array of high-priority incidents throughout October, including:

- **Structure Fires**
 - Structure fire on East 7th Street (10/03)
 - Structure fire at Grand Avenue Plaza involving multiple stations (10/30)
 - Shed fire involving Truck 1, Engine 1, and Battalion 1 (10/23)
- **Major Medicals & Traumas**
 - Multiple **Code Blues** throughout the city
 - Several **MVA Level 1 Trauma Alerts** including multi-vehicle collisions
 - **SUV vs. ATV** accident with multiple patients transported (10/09)
 - **Vehicle vs. Pedestrian** at Ladrones & N. Main with serious injuries (10/15)
 - **Stabbing** incident at Station 3's district (10/12)
- **County & High-Call-Volume Operations**
 - C Shift reported **30 county calls** in addition to regular run volume
 - Multiple overdoses, public assists, and alarm activations
 - Back-to-back toneouts with conflicting information highlighted the need for improved dispatch accuracy

Throughout the month, crews demonstrated excellent coordination, decisive incident command, and strong tactical performance.

Training and Professional Development

Training in October was intensive and department-wide, with a strong focus on ARFF operations, FAO exam preparation, and leadership development.

Fire & Rescue Training

- **ARFF Training** for stations 1, 4, 5, and battalion personnel over multiple full-day sessions.
- **Rope Rescue Instruction** provided for Rookie School by shift personnel.
- **Driver Training** conducted across multiple companies in preparation for FAO testing.
- **Knox Box Training** held on 10/30.

EMS Training

- **EMSRx training** delivered on 10/17 to strengthen documentation and QA performance.
- **Pediatric Assessment Training** (10/15).
- **AEMT study group sessions** on multiple dates to support upcoming testing.

Leadership & Administrative Training

- **Lieutenant Meeting and Leadership Class** held on 10/03 for officer development.
- FAO candidates held **study sessions** on SOPs, Rules & Regulations, and department-wide policies.

The month's training efforts strengthened operational consistency, safety, and preparedness.

Personnel and Staffing

- **FAO Huggins** was promoted to Lieutenant and assumed his new role on B Shift.
- Departmental **station picks** were completed on 10/16.
- Several shifts held monthly **shift dinners** to promote morale and crew cohesion.

Apparatus, Equipment, and Station Maintenance

Apparatus & Equipment

- **New Thread Adapters** placed into service on Engines 1, 3, and 6.
- **Battalion 1** received side steps installed by Roswell Livestock (10/09).
- **L-3** received a new bushing but continues to exhibit mechanical issues (turbo, pump primer, generator performance, pressure gauge, and cab weather stripping).
- **Rescue 4** received full inventory and labeling updates.
- **Brush 3** noted to have multiple mechanical concerns including brakes, turbo, and tires.
- **Pump issues** identified at Station 5 requiring further diagnosis.

Station Projects

- **Station 1:**
 - Water heater replaced (10/27).
 - Ongoing trim/door frame repainting.
 - Ice machine cleaned.
- **Station 2:**
 - Exterior trim repainting and debris removal underway.
 - Tool mounting on E2 in progress.
- **Station 3:**
 - Closet reorganizations and truck room floor rewaxing completed.
- **Station 4:**
 - Caulking replacement project ongoing but delayed due to material concerns.
- **Station 5:**
 - Station signage repainted and repaired.
- **Station 6:**
 - Fence extension completed; asphalt repairs pending.
 - E6 mechanical issues documented and under review.

These projects reflect continuous improvement in station conditions and apparatus readiness.

Community Engagement & Public Relations

The department remained highly active in the community throughout October, participating in numerous events including:

- **Fire Prevention Week** activities at multiple elementary schools across the city.
- **Career Fairs** at Goddard High School and EGP Elementary.
- **Head Start Fire Prevention standby** at 505 E. McGaffey.
- **Trunk-or-Treat** events hosted at HR Block, LaGrone Funeral Home, Pioneer Plaza, and other community locations.
- **Nancy Lopez Elementary First Responder Appreciation Breakfast** (10/20).
- **Bonfire Standbys** at Gateway and Roswell High School.
- **Equipment Rodeo** and multiple apparatus displays for public outreach.
- **737 Aircraft Tour** for University High School.
- Assistance provided to **Facilities Maintenance** in relocating Code Enforcement to their new office.

Public relations and fire prevention efforts remained a major highlight of the month, strengthening community trust and fire safety education.

Summary

October 2025 was a productive and impactful month for the Roswell Fire Department. The department secured over **\$1.5 million** in new grant funding, advanced several major

administrative and infrastructure projects, and executed a significant volume of emergency responses with professionalism and teamwork. Training initiatives, community outreach efforts, and cross-shift cooperation continued to drive the department forward as it works toward long-term strategic goals, including improved readiness, enhanced service delivery, and progress toward ISO 1 certification.

The department remains committed to excellence, community service, and the ongoing development of its personnel, programs, and operational capabilities.

ROSWELL FIRE DEPARTMENT

Fire Marshal's Monthly Report

October 2025



Submitted by
Fire Marshal Jared Olive

Roswell Fire Department
200 S. Richardson Ave
Roswell, NM 88203
Ph: (575) 624-6800

OCTOBER TOTALS

STAFF-

- FIRE MARSHAL JARED OLIVE, 721
- DEPUTY FIRE MARSHAL CHRIS CASEY, 722
- DEPUTY FIRE MARSHAL PRESTON WASHINGTON, 723
- FIRE PREVENTION ADMIN ZOE THOMPSON

TRAINING-

- 10/15/2025 SPRINKLER FINAL 721, 722, 723 (1HR EA) Insp
- 10/16/2025 HYDROSTATIC PRESSURE TEST 721,722,723 (1HR EA) Insp
- 10/20/2025 AGENDA TRAINING 721, ZOE (1HR EA) Admn
- 10/27/2025 FIRE HOUSE SUB AUTO FRYER TRIP TEST 721,722,723, ZOE (2HRS EA) Insp
- 10/30/2025 KNOX BOX TRAINING 721, 722, 723, ZOE (1HR EA) Admin

TOTAL INSPECTOR TRAINING: 14

TOTAL FIRE TRAINING: 0

TOTAL EMS TRAINING: 0

TOTAL INVESTIGATOR TRAINING: 0

TOTAL ADMINISTRATION TRAINING: 6

STAFF TOTAL: 20 hrs.

PLAN REVIEWS-

10/03/2025

4500 N Main St

Walmart

Permit- No

Notes- NFPA standards 25 not lb, fire alarm drawings required, RCU and RTU framing required Hot Works (55)
Smoke detectors tied in to F/A (m3), Fire extinguisher missing (L57) Sprinkler submitted

10/08/2025

2407 N Main St

Church's Texas Chicken

Permit- No

Notes- Fire Alarm plans must be submitted
Ansul System requires permit

PERMITS -

10/07/2025 4500 N Main St

Automatic Sprinkler System

Permit Number- 25-258-1645

Amount- \$300.00

10/25/2025 E 4th St

IFC Places of Assembly

Permit Number- 25-219-1652

Amount- \$50.00

TOTAL PLANS REVIEWED: 4

TOTAL PERMITS: 2

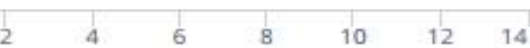
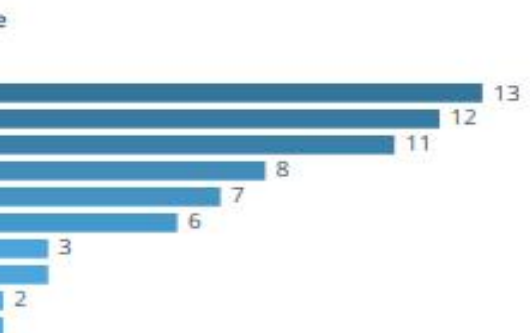
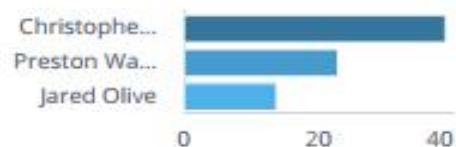
TOTAL AMOUNT: \$350

Inspection Status InProgress, N/A, Locked, Unlocked

Inspections

on Number: 73

Count of Inspections by Status



Property Classification



Filter statement

Filters

Alarm Date Range 10/1/25 to 10/31/25 | Unit Name 721, 722, 723

[1 more...](#)

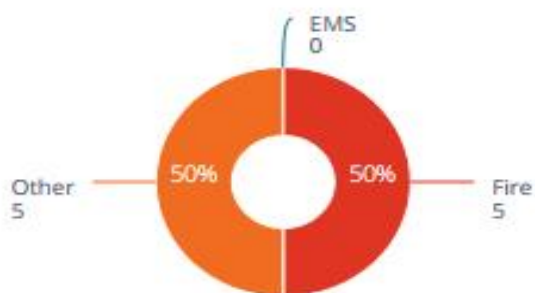
Fire Index - Incident Type

This measure comes from the ESO Fire Index. See national performance at: <https://www.eso.com/resources/fire-index/>

Count of Total Incidents & Exposures

Count of Incidents: **10** | Additional Exposures: 0

EMS/Fire Incident Breakdown



Count of Incidents by Incident Type



Incident Details

Incident Number	Time in Alarm DateTime	Incident Type Group	Incident Type
2025005932	10/03/2025 20:40:28	100 - Fire	Building fire
2025006004	10/06/2025 23:08:39	100 - Fire	Passenger vehicle fire
2025006047	10/09/2025 07:35:25	700 - False Alarm	False alarm or false call, c
2025006111	10/12/2025 08:20:19	100 - Fire	Fire, other
2025006245	10/19/2025 11:38:25	500 - Service Call	Smoke or odor removal
2025006265	10/20/2025 05:41:18	700 - False Alarm	False alarm or false call, c
2025006341	10/23/2025 11:26:36	700 - False Alarm	False alarm or false call, c
2025006343	10/23/2025 15:58:31	100 - Fire	Building fire
2025006457	10/29/2025 08:57:47	700 - False Alarm	False alarm or false call, c
2025006479	10/30/2025 08:01:14	100 - Fire	Building fire

PUBLIC RELATIONS / EDUCATION

- 10/27/2025 RHS BONFIRE INSPECTION 723 (1HR)
- 10/31/2025 FIRE EXTINGUISHER PRESENTATION 722,723 (3HRS EA)
- 10/06/2025-10/13/2025 FIRE PREVENTION WEEK 721, 722, 123 (13HR EA)

PR/ EDUCATION (HRS.): 46

SPECIAL EVENTS / OTHER

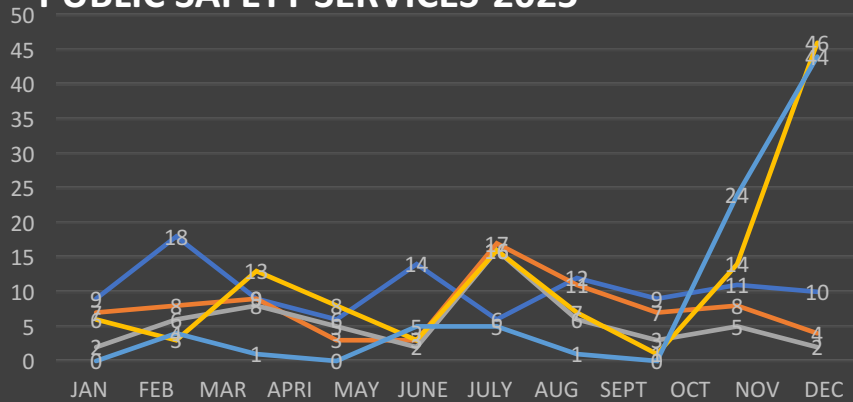
- 10/01-04/25 ENMSF Fire prevention Booth 721 (15hrs),722 ,723 (29 EA)

TOTAL SPECIAL EVENTS: 44

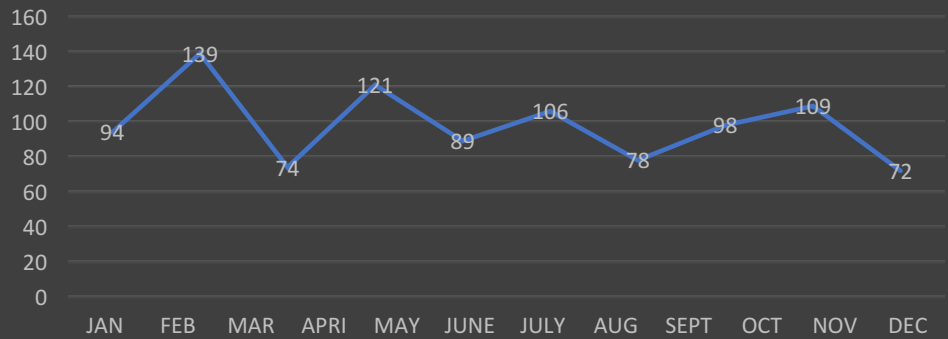
SUMMARY

October was a huge month for Fire Prevention efforts with our annual Fire Prevention week where we go to all the elementary schools in the district and educate the students on numerous fire and safety topics. All of this was of course after our fair week that involved many inspections and running the Fire prevention booth. Other time-consuming events like training and a good amount of fire investigations took the priority over general inspections.

PUBLIC SAFETY SERVICES-2025



TOTAL MONTHLY INSPECTIONS-2025



FIRE PREVENTION BUREAU TRAINING-2025

