



## ***THE REFURB LEADER!***

Unit 26787 - 2001 E-One 100' Aerial - Change Order #1 (v.2)  
Change Order Proposal

January 27, 2025

**Prepared For:**

Lake Havasu City Fire Dept. - AZ  
2330 McCulloch Blvd N  
Lake Havasu City, Arizona 86403

**Prepared By:**

FIRETRUCKS UNLIMITED  
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Henderson, NV 89074  
(702) 558-3352  
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Contract Item	Approve?	Price
<p><b>01.10 Break Down Apparatus</b>  Photographs documenting the condition of the pump and known electrical issues shall be taken both before and after work is performed. These photographs will be provided to the customer. This includes the aerial device's electrical issues.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>01.10 Break Down Apparatus</b>  The Streamlight charging bases (2) in the rear step area of the cab along with any associated wiring will be removed and discarded.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>01.10 Break Down Apparatus</b>  The fire extinguisher bracket located near the passenger-side pump panel crosslay will be removed. Old mounting holes will be filled.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>04.05 Detroit Diesel Series 60</b>  The engine's electrical wiring harness shall be replaced. The ECM shall be replaced in accordance with the manufacturer's specifications.</p>	<input checked="" type="checkbox"/>	\$5,027
<p><b>04.09 Exhaust Braking System</b>  The compression release engine brake (Jake Brake) shall be overhauled Parts that are replaced will match OEM specifications.</p>	<input checked="" type="checkbox"/>	\$5,168
<p><b>08.05 Replace Muffler, Wrap, Flex, and Tip</b>  The Plymovent tip will terminate under the passenger side pump panel, where the drain valve was located.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>10.05 Brake Chambers, Shoes, Drums, Slack Adjusters</b>  The apparatus is equipped with disc brakes. All appropriate components shall be replaced.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>13.20 Transmission 4000 Series Remanufactured</b>  The transmission's electrical wiring harness shall be replaced with a new wiring harness. The TCM shall be replaced in accordance with the manufacturer's specifications.</p>	<input checked="" type="checkbox"/>	\$4,882

<p><b>14.05 Alternator</b> The alternator will no longer be replaced.</p>	<input checked="" type="checkbox"/>	(\$2,875)
<p><b>14.07 Kussmaul Battery Charger</b> The Kussmaul Battery Charger will no longer be replaced.</p>	<input checked="" type="checkbox"/>	(\$1,340)
<p><b>14.08 Kussmaul Auto Eject</b> The new auto eject will be 120-volt, 30-amp.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.11 Chassis Wiring Harness</b> The project manager shall provide photographs of any burned or damaged sections of the Chassis wiring harness. An electrical fire may have affected the harness and electrical components.</p> <p>The handheld radio chargers will be relocated to a location to be determined by the Purchaser during the Pre-Construction meeting. 12-volt wiring will be routed accordingly.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.12 Body Wiring Harness</b> The project manager shall provide photographs of any burned or damaged sections of the Body wiring harness. An electrical fire may have affected the harness and electrical components.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.23 Clearance/Marker Lighting</b> The marker and clearance lights on the rear of the apparatus shall be upgraded to those used on the Pierce fire apparatus, rubber-style lights.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.26 Flashlight(s)</b> New customer-provided flashlight bases shall be installed. The existing flashlight holder located on the rear of the doghouse shall remain in its current position.</p>	<input checked="" type="checkbox"/>	\$135

<p><b>14.28 Ground Lighting (TOMAR)</b> The ground lights on the front bumper shall also be replaced.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.29 Compartment Lighting - Strip Lighting</b> All existing lights will be secured using screws or bolts in addition to adhesive to ensure proper installation. Any lights removed from the compartments will have their mounting holes covered as necessary, and old wiring will be properly terminated.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.37 Scene Lighting - 12 volt Pole Lights (TOMAR)</b> The new Pole Lights shall be 12-volt, not 110-volt. The poles will be new and mounted behind the cab in the same position. Scene lights will be wired to match the White-Out feature, similar to the previous refurbishment (Unit 2848).</p>	<input checked="" type="checkbox"/>	\$815
<p><b>14.38 Scene Lighting - 12 volt Pedestal Lights (TOMAR)</b> Scene lights will be wired to match the White-Out feature, similar to the previous refurbishment (Unit 2848).</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.39 Scene Lighting - 12-volt Brow (TOMAR)</b> Scene lights will be wired to match the White-Out feature, similar to the previous refurbishment (Unit 2848).</p>	<input checked="" type="checkbox"/>	\$0
<p><b>14.41 Auxiliary USB Charger</b> The new outlets will be positioned as follows: One (1) near the shifter on the driver's side. One (1) on the opposite captain's side, in the best position available. Two (2) at the rear of the map box, adjacent to each rear-facing seat. All the newly added USB outlets shall be dual-port, consisting of one (1) USB-A port and one (1) USB-C port. Total Quantity: 4</p>	<input checked="" type="checkbox"/>	\$0
<p><b>15.10 Generator</b> Unused generator components, including but not limited to circuit breakers, mounting brackets, and hardware, shall be completely removed.</p>	<input checked="" type="checkbox"/>	\$0

<p><b>15.25 Cord Reel</b> The aerial electric cord reel and cord on the driver side of the aerial device will be removed and replaced with a new cord reel, matching the color, shape, and size.</p>	<input checked="" type="checkbox"/>	\$12,668
<p><b>16.10 Wireless Communications System</b> Only four (4) new Fire Communication SetCom LiberatorMax transmittable wireless headsets will be provided and installed.</p>	<input checked="" type="checkbox"/>	(\$1,025)
<p><b>16.15 Radios / Antennas</b> The customer shall supply the radios, and charging bases as well as any required antennas to be installed.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.05 Fuel Gauge</b> The Fuel Level gauge on the instrument cluster will be replaced with new.</p>	<input checked="" type="checkbox"/>	\$454
<p><b>17.11 Windshield Washing System</b> Both wiper arms shall be replaced with new.</p>	<input checked="" type="checkbox"/>	\$772
<p><b>17.13 Window Tint</b> The window tinting will be performed in Lake Havasu by the customer's designated provider. FTU will cover the cost of this service.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.15 Steering Wheel</b> The steering wheel and horn switch shall be replaced with new, matching the OEM Steering Wheel.</p>	<input checked="" type="checkbox"/>	\$1,841
<p><b>17.15 Steering Wheel</b> The turn signal arm assembly on the steering column will be replaced.</p>	<input checked="" type="checkbox"/>	\$1,188

<p><b>17.22 Upholstery</b> The upholstery will be dark gray vinyl material, to match the previous refurbishment.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.23 Seats</b> The forward-facing bench seat including, seatbelts, hardware, and the associated pedestal shall be removed and discarded. Only the two (2) rear-facing seats, one (1) driver seat, and one (1) passenger seat will be reinstalled. The driver, officer, and both rear-facing seats will be reupholstered in Black Durawear.</p>	<input checked="" type="checkbox"/>	(\$1,255)
<p><b>17.25 Cab Plastics</b> Broken and cracked cab plastics will be repaired. Interior cab plastics can not be replaced due to availability.</p> <p>The driver door panel will also be repaired, fabricating a new door pocket to replace the old one that is missing. A new door panel can not be provided due to availability.</p>	<input checked="" type="checkbox"/>	\$4,142
<p><b>17.27 Seat Belt(s)</b> Only four (4) seatbelts will be installed.</p>	<input checked="" type="checkbox"/>	(\$510)
<p><b>17.40 Cab Lift Cylinder(s)</b> The cab lift cylinders shall be replaced with new ones, pending availability. If new parts are not available, the existing cylinder will be repaired.</p>	<input checked="" type="checkbox"/>	\$7,209
<p><b>17.46 Warning Stickers</b> All safety labels inside the cab and around the exterior of the apparatus will be replaced.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.47 Rear View Camera System</b> The camera system will remain on at all times, running constant-on while in operation.</p>	<input checked="" type="checkbox"/>	\$0

<p><b>17.49 Cab Hardware</b>  The existing SCBA brackets mounted on the rear wall shall be reinstalled upon re-assembly of the interior.  The lockbox mounted on the front passenger side of the cab shall be removed and discarded.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.51 Air Conditioning</b>  Before and After photos of the air conditioning system will be provided to the customer.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>17.53 Cab Door</b>  The four (4) cab door panels will be cleaned, prepped, and have black vortex coating applied. The lower portion of the door will have reflective Red and reflective Yellow chevrons applied. Chevrons will match the previous refurbishment.</p>	<input checked="" type="checkbox"/>	\$2,560
<p><b>17.53 Cab Door</b>  All exterior cab door handles will be replaced.</p>	<input checked="" type="checkbox"/>	\$2,619
<p><b>18.05 Front Bumper</b>  The front bumper straps in the hose tray will be replaced with new nylon straps with Seatbelt-Style metal buckles.</p>	<input checked="" type="checkbox"/>	\$367
<p><b>18.13 D Ring adjustments</b>  Broken or inoperable D Ring Handles shall be replaced.</p>	<input checked="" type="checkbox"/>	\$394
<p><b>18.16 Roll Up Compartment Doors</b>  A new aluminum protective shroud (drip plate) shall be installed above all side-facing compartment doors. This shroud will provide additional protection for the roll-up doors.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>18.20 Rear Fold-down Steps</b>  The rear fold-down steps at the rear of the apparatus will be repaired.</p>	<input checked="" type="checkbox"/>	\$810

<p><b>18.31 Pump Panel Step</b> The Driver Side pull-out step will be coated in black Vortex, excluding slides. The slides on the slide-out steps shall be replaced with new (the slide will not be painted).</p>	<input checked="" type="checkbox"/>	\$3,116
<p><b>18.40 Shelving</b> The slide-out drawer in the engineer's compartment shall be removed and discarded. The remaining two (2) slide-out drawers shall have their slide mechanisms replaced. The slides shall not be painted.</p>	<input checked="" type="checkbox"/>	\$1,960
<p><b>18.42 Dry Deck</b> No new Dry Deck shall be installed; the existing tiles removed and discarded.</p>	<input checked="" type="checkbox"/>	(\$1,340)
<p><b>18.50 Wheel Chocks</b> The two (2) wheel chock holders under the front bumper will be replaced with new holders.</p>	<input checked="" type="checkbox"/>	\$697
<p><b>18.80 Fire Extinguishers Holders</b> The two (2) exterior-mounted fire extinguisher holders at the rear of the apparatus shall be removed and replaced with new holders. The fire extinguisher bracket located near the passenger-side pump panel crosslay will be removed. Old mounting holes will be filled.</p>	<input checked="" type="checkbox"/>	\$572
<p><b>18.91 Diamond Plate Cleaning &amp; Polishing (Aerials)</b> The rear-facing diamondplate wall panel between the rear steps shall be removed and replaced with a smooth aluminum panel. The two (2) compartment doors for ladder storage will be remade with smooth aluminum. The panel and doors will have red &amp; safety lime green chevrons applied.</p>	<input checked="" type="checkbox"/>	\$3,829
<p><b>19.05 Steam Cleaning Pre-Paint</b> The aerial device assembly shall be degreased and cleaned.</p>	<input checked="" type="checkbox"/>	\$1,620
<p><b>19.20 Interior</b> All painted surfaces inside the cab will be refinished and painted with grey zolatone.</p>	<input checked="" type="checkbox"/>	\$0

<p><b>19.25 Frame Rail</b>  The frame rail shall be inspected and surface rust shall be treated. The frame shall be refinished with a heavy-duty black frame rail paint or existing color.</p>	<input checked="" type="checkbox"/>	\$10,066
<p><b>19.30 Compartments</b>  Minor cracks and old designated mounting holes inside the exterior compartments shall be re-welded, ground, and sealed as necessary. The department has marked the areas inside each compartment (L-5, R-5, R-4) that are to be filled. Any items taped inside the compartments will be sealed.</p>	<input checked="" type="checkbox"/>	\$3,780
<p><b>19.45 Cab and Body Paint and Polishing</b>  The inner cab door jambs will be painted white to match the exterior color.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>19.47 Black Trim Package</b>  Black Vortex protective coating shall be applied to the following areas:  *Interior plastics of all four (4) cab doors.  *Driver-side slide-out step in the pump panel area (slides will not be painted).  *Front bumper, covering only diamondplate surfaces and the top lip.  *Hose tray and step on the passenger side pump panel.  *The bottom floor of each side-facing exterior compartment, totaling twelve (12).  *Both driver and passenger side pump panels.  *Outer front fender well panels near all four cab steps.</p>	<input checked="" type="checkbox"/>	\$13,489
<p><b>19.50 Aerial Platform Surface</b>  The stepping surfaces on the aerial platform shall have Matson Paint Floor-Grip Alkyd Non-Skid coating applied. The coating will provide a non-slip surface to improve traction and protect against environmental elements. Before application, all surfaces will be thoroughly cleaned and prepped to ensure proper adhesion.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>19.75 Chevrons</b>  The outer, rear-facing vertical painted surfaces shall be covered with alternating stripes of red and safety lime yellow reflective material. This includes the new chevrons on the outer painted edges and the new rear center wall.  The rear-facing and forward-facing sides of the stabilizer arms will have new chevrons installed.  The fascia of the front bumper shall also have chevrons applied. The lower portion of the cab doors will have chevrons installed as well.</p>	<input checked="" type="checkbox"/>	\$2,338

<p><b>20.12 Pump Packing - Hale</b>  A mechanical pump seal shall be installed on the pump. The existing configuration shall be converted to a mechanical shaft seal.</p>	<input checked="" type="checkbox"/>	\$3,397
<p><b>20.33 Drain valves</b>  The passenger-side drain valve located near the exhaust tip shall be relocated to a new position on the passenger-side pump panel. The new exhaust will terminate where the previous valve was located.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>20.35 Discharge Pressure Gauges</b>  The new pressure gauges will be Class-1 gauges, matching the existing size and measurements. The rear waterway gauge will also be replaced.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>20.50 Pump Panels</b>  The Old Water Level Sight tube will be removed and discarded. Any remaining holes will be covered.  Both Pump Panels shall be recoated in a black vortex protective coating.</p>	<input checked="" type="checkbox"/>	\$362
<p><b>20.51 Color Coded Tags - Pump Panel</b>  To address issues with new labels peeling and detaching, a bonding primer and high-temperature contact adhesive will be applied to the color-coated tags.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.03 Torque Box, Rotation Gear Reduction Box Mounting to Frame</b>  Before and After photos of the aerial torque box system will be provided to the customer.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.05 Platform Safety Railing</b>  The two (2) safety chains on the platform railing shall be removed and replaced with two (2) new FRC Mansaver Safety Bars.</p>	<input checked="" type="checkbox"/>	\$2,938
<p><b>23.09 Hydraulic Lines and Hoses - Turntable</b>  All (rubber) hydraulic Lines and hoses in the turntable area shall be replaced with new ones.</p>	<input checked="" type="checkbox"/>	\$0

<p><b>23.24 Communication System</b> A quantity of two (2) speakers shall be replaced.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.41 Aerial Cradle</b> The aerial cradle shall undergo inspection prior to the third-party inspection. Any potential adjustments shall be discussed during the Pre-Construction meeting. Any additional work required as a result of these adjustments will incur an additional cost</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.44 Hydraulic Lines and Hoses - Stabilizer System</b> All (rubber) hydraulic Lines and hoses on the stabilizer system shall be replaced with new ones.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.46 Stabilizer/Outrigger Warning Device</b> The new lights on the stabilizers shall be LED-style. Chevrons will be applied to both the rear-facing and forward-facing sides of the stabilizer arms.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.47 Stabilizer/Outrigger Extension Cylinder - Pins &amp; Hinges</b> This is a scissor-style stabilizer system.</p>	<input checked="" type="checkbox"/>	\$0
<p><b>23.51 Levelling Indicator</b> The Aerial Hydraulic Oil Level Indicator gauge on the pump panel shall be replaced with a new gauge.</p>	<input checked="" type="checkbox"/>	\$664
<p><b>23.51 Levelling Indicator</b> Both stabilizer leveling indicators at the rear of the apparatus shall be replaced with new ones.</p>	<input checked="" type="checkbox"/>	\$956
<p><b>23.52 Leveling Controls</b> The leveling jack control panel at the rear of the apparatus shall be replaced. This includes related switches. The panel will have new label overlay installed.</p>	<input checked="" type="checkbox"/>	\$2,862

<p><b>23.54 Stabilizer/Outrigger Jack Pads</b> The jack plate on the rear driver side will be modified to include a handle matching the style of the other three jack pad handles.</p>	<input checked="" type="checkbox"/>	<p>\$335</p>
<p><b>24.05 Hydraulic, Pneumatic and Electrical Lines</b> All (rubber) hydraulic lines will be replaced.</p>	<input checked="" type="checkbox"/>	<p>\$8,991</p>
<p><b>24.13 Extension Sheaves &amp; Cable Separation Guide</b> The sheaves and cables shall be replaced with new ones, pending availability.</p>	<input checked="" type="checkbox"/>	<p>\$21,600</p>
<p><b>24.25 Ladder Illumination</b> The new FRC Spectra spot/flood lights at the tip of the ladder shall be 120 VAC. The two (2) spotlights at the lower base of the ladder shall be replaced with TOMAR 3-inch TRX Series LED Light Pod, one (1) per side. (Model: TRX-03W-S)</p>	<input checked="" type="checkbox"/>	<p>\$977</p>
<p><b>24.62 Aerial Waterway Discharge</b> Waterway seals will be replaced and not repaired.</p>	<input checked="" type="checkbox"/>	<p>\$4,055</p>

**Terms & Conditions:**

Quote Valid for 30 Days

Payment Terms: 100% upon Final Inspection

**Accept & Sign:**

Signature: 

Date: 27-Jan-2025