



Request for Proposal

The Timber Mesa Fire and Medical District (TMFMD) is seeking proposals for one NFPA compliant custom cab pumper that includes but not limited to the following specifications:

- Dimensions not to exceed:
 - 32' in length
 - 11' in height
 - 101" wide excluding mirrors offset mirrors
 - 180" wheelbase
- Pump and tank:
 - Minimum of a 1500 GPM mid-mount centrifugal type fire pump, single stage. It shall be designed to mount within the pump enclosure and shall be split shaft driven. The pump shall be driven by a driveline from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable the pump to meet and exceed its rated performance. Hale preferred but Waterous is acceptable.
 - Automatic intake relief valve.
 - Primer shall be a Waterous oil-less primer with push button control style. Controls located on driver side pump operator's panel.
 - 6" intake on both officer and driver side.
 - One TFT intake valve model NX-RC. Intake will be located on officer side and controls for valve shall be located on operator pump panel.
 - 2½" intake located on both officer and driver side.
 - Minimum 750-gallon poly water tank. 1000-gallon is preferred.
 - Class A Foam Pro 2000 series or higher with max 20-gallon tank.
 - Side panel with controls on driver side.
 - Handles shall be lever style and color coded (colors selected during pre-construction).
 - Panel shall be black Line-X.
 - Two 1¾" pre-connected slide-out speedlays located above pump or adjacent to panel closest to the cab both having foam capabilities.
 - One 2½" discharge located on driver side.
 - One 2½" discharge located on officer side.
 - One 4" discharge located on officer side with controls on the driver side with minimum 3" plumbing.



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- Two 2½” discharges plumbed in the hose bed with foam capabilities.
- One 1¾” discharge in the bumper with foam capabilities with 2” plumbing. Connection shall be inside the compartment in the bumper.
- One deck gun with 3-4” plumbing, Apollo style 3433 with stackable tips: 1 3/8”, 1 ½”, 1 ¾”, and 2”.
- All valves shall be Akron.
- Powertrain
 - Minimum of a 450-horsepower diesel engine, L9 Cummins preferred.
 - Engine compression brake with three settings: low, medium, and high.
 - High idle control.
 - Diesel Exhaust Fluid tank shall be a minimum of five gallons.
 - Automatic Allison Transmission 6 speed 3000 EVS.
 - All wheels shall be aluminum wheels and tires shall be all terrain.
 - On-spot chains for the rear tires.
- Electrical
 - Shall be a 12-volt starting system.
 - Minimum 270-amp alternator.
 - Wiring shall be multiplex.
 - Vista display screen on both officer and driver sides.
 - Warning lights shall be LED, see further below.
 - All cab lights shall be LED.
 - Compartments lights shall be strip LED.
 - All DOT lights shall be LED.
 - One Q2 mechanical siren with controls to be mounted in cab. Controls on both driver and officer side with a siren brake.
 - One electric siren with electric air horn, wail, yelp, and hyper yelp. Speaker shall be in front bumper.
 - Steering wheel controls with electric siren, Q2, and airhorn.
 - Airhorn control on driver and officer side.
 - Kussmaul Autocharge located on driver side.
 - 10 KW generator located in crow’s nest. Provide pricing option for an auxiliary power unit. We want a timer to be set, when the truck is at idle for more than ten minutes, to have the generator take over and shut down the engine of the apparatus (to save on idle time). Allow this system to have an auto function to take over all electrical functions and environmental controls.
 - 200’ cord reel with 12/3 wire located in rear compartment on officer side.



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- Wiring for TIC, radios, flashlights, and radio chargers. Mobile computer terminal (MCT) to be hot with shoreline and ignition. Layout to be discussed in pre-construction.
- Back up camera wired into Vista display.

- Cab:
 - Minimum of 5 seat positions. Four seats (including officer seat) shall have SCBA locking system adjustable to all MSA G1 SCBA. Driver and officer seat shall be air suspension seats. There shall be a storage compartment under both officer and driver seat.
 - Rear three forward facing seats with the two outside seats having flip up SCBA seats. Storage compartment underneath the seats with access on both sides.
 - Two interior compartments in center portion of cab. The center windows of cab will be removed and replaced with hinged doors, on the officer and driver side, with access from the inside. The interior access doors shall be roll-up style doors. Compartments shall be sealed and vented to the exterior of the cab. Dimensions no less than: 24" wide by 24" deep and extend to the ceiling. Allowance should be given for one shelf and mounts to be discussed at pre-construction. The interior shall be lit with red LED lights.
 - Three wired and two wireless headsets shall be installed with an intercom system. One wired and one wireless headset will have the ability to transmit over the radio. Rugged brand RRP800 dual radio intercom preferred.
 - Windows shall be electric controlled on all doors with master switch on driver door that controls all four windows.
 - Cab noise level shall not be over mid 70s decibels at 65 mph.
 - Wiring installed to allow for two VHF radio 30 AMP each.
 - 20 AMP wired to the rear of the cab, another 20 AMP near the metal plate on the doghouse. Both locations will have a switched power and constant power.
 - Center doghouse shall have a metal plate on top to mount chargers, etc. allowing the wiring to be run underneath. The finish shall be non-slip textured paint.
 - Wiring and docking station installed for MCT with sliding capability.



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- Four (4) 12-volt and USB points shall be provided. Location to be discussed during pre-construction.
- One AM/FM radio with Bluetooth capability and four overhead speakers.
- Four cup holders. Location to be discussed during pre-construction.
- HVAC to properly heat and cool entire cab including defroster. There shall be controls for the heater and A/C in the rear of the cab for rear seats (fan and temp).
- Cab shall be full-tilt style hydraulic system. The cab tilt angle shall be no less than that to facilitate engine maintenance and possible removal. The mechanical stay arm shall be on the same side as the lift controls.
- Air ride cab.
- Cab paint shall be two-tone white over red. Striping ½” x 4”x ½” straight. Exact location will be discussed in pre-construction. Front cab will be three-tone with large black “bandit” look. Rear body shall have continued straight striping from front of rear body to the rear of the rear body module. (1/2” x 4” x ½”). Website decal shall be in this striping on the rear side compartment doors. This stripe shall be laminated reflective material.
- Allowance for lettering/decals. High side coffin lettering, the engine number (13) (location can be discussed at pre con), door decals (officer, operator and rear door) and our website on each side. Font shall be Optima Pro Black. All lettering, decals and striping shall be a laminated reflective material.
- Cab raise shall be 10”-12”.
- Two GO LED lights on the top front corners of the cab.
- Apparatus lights:
 - 72” LED light bar assorted with blue, red, and white with clear lens.
 - Allowance for 6 M6 (or comparable) LED Blue.
 - Allowance for 4 M6 (or comparable) LED Amber.
 - Allowance for 4 M9 (or comparable) Blue.
 - Allowance for 3 M9 (or comparable) Red.
 - Allowance for 2 M7 (or comparable) Red.
 - Allowance for 2 M7 (or comparable) Blue.
 - Four (4) M9 (or comparable) LED scene lights located on both sides of body module. Specific location to be determined at pre-construction.
 - LED arrow stick on the rear.
 - Two (2) LED scene lights on the rear.



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- LED brow light for the front of the cab.
- LED headlights.
- Body Module
 - All compartments shall be grey Line-X finish. Compartment lighting shall be LED. All floors, trays, and shelves shall include turtle tile. All compartments shall be designed to optimized available cubic inches. All compartments shall be designed in detail during pre-construction.
 - L1
 - Roll up door.
 - Pump display with valve handles (lever style) and all gauges.
 - One slide out tray.
 - One adjustable shelf.
 - L2
 - Roll up door.
 - Allowance for two swingout aluminum tool boards.
 - L3
 - Roll up door.
 - Allowance for one adjustable shelf and two rollout trays.
 - R1
 - Roll up door.
 - Allowance for two slide out trays.
 - Climate control medical cabinet: MK 20 SS-R, CLIMATE CONTROLLED, COMPRESSOR REAR, HINGE RIGHT, STD LOCK with adjustable shelf.
 - Lock for drug box: COMPX ELOCK EL-KP-CAB KEYPAD CABINET LOCK.
 - Power strip 120-volt constantly energized.
 - R2
 - Roll up door.
 - Adjustable shelf.
 - Power strip 120-volt constantly energized.
 - R3
 - Roll up door.
 - Allowance for two out and down and one rollout tray.
 - 200' cord reel will drop down into compartment, but reel shall be in the coffin space above the compartment.
 - T1



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- Roll up door.
- Allowance for one rollout tray.
- Allowance for one adjustable shelf.
- Top hatch compartments, one on each side of the apparatus.
 - Two door diamond plate hinged to the outside with lock open hardware. No center bulkhead uni-strut for dividers. LED lights in the storage space.
 - Ladder mounted on the rear of apparatus for access to the top of the apparatus.
- Internal ladder storage with NFPA compliant ladders supplied by manufacturer:
 - One 24' aluminum two section extension ladder.
 - One 14' aluminum roof ladder.
 - One 10' aluminum folding ladder.
 - Three (3) pike pole tubes with NFPA compliant pike poles supplied by manufacturer. Exact location to be determined during pre-construction.
- Storage compartment above pump intake, in between the cab and body, with access from both sides of the apparatus:
 - One back board storage.
 - Allowance for trash hook, broom, and shovel storage.
- Hose bed shall be divided into three sections with a bi-fold diamond plate cover with lock open hardware. LED lights inside the hose bed.
 - Able to hold 1000' of 5" LDH supply hose.
 - Two 2½" hose beds able to hold 200' of hose that are pre-plumbed and include foam capabilities.
- Must include two 6"x10' section of hard suction hose. Hard suction must be enclosed and accessible from rear of apparatus. Hard suction doors shall be painted to match chevron.
- SCBA air bottle compartments on officer side in rear wheel well compartments in front and behind rear wheel. Each compartment shall hold three SCBA bottles.
- SCBA compartment on driver side in rear wheel well compartment in front of rear wheel. Compartment shall hold one full SCBA pack.
- Dry chemical extinguisher and pressurized water extinguisher compartment on the driver side in rear wheel well compartment behind the rear wheel.



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- Chevron on rear of truck shall be laminated reflective material. Design of chevron shall be in a diagonal slant from center to side. Width of striping shall be 6” and alternate in color of red and yellow.
- Two wheel chocks shall be mounted on driver side. Shall not hang lower than body.
- Front Bumper
 - Severe Duty bumper wrapped with chevron to match rear of apparatus.
 - Compartment in bumper shall be able to hold 100’ of pre-connected 1¾” hose.
 - Hose compartment door shall be aluminum tread plate hinged to the rear of compartment.
 - One 1¾” discharge in the bumper with foam capabilities with 2” plumbing. Connection shall be inside the compartment in the bumper.

Submittal shall include two sets of: price (including pre-payment option), build time frame, complete apparatus specifications, component list, drawings, and warranty information.

Submittals will be accepted until **3:00pm, October 8th, 2020** and shall be transmitted in a sealed package addressed to Timber Mesa Fire and Medical District, Attention RFP – E13 Pumper, 3561 E. Deuce of Clubs Show Low, AZ 85901. Any submittal received after the deadline will not be considered.

This RFP is not a binding agreement to purchase goods or services. TMFMD reserves the right not to select any vendor or to reject any or all submittals.

Questions concerning the RFP should be directed to:

Randy Chevalier, Deputy Chief or
Billy Rova, Captain
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