



**DEERFIELD TOWNSHIP FIRE RESCUE  
2026 Fire Engine/Pumper Purchase**

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## **LEGAL AD**

### **Deerfield Township Fire Rescue 2026 Fire Engine/Pumper Purchase**

Notice is hereby given that sealed bids will be received at the administration office of Deerfield Township, 4900 Parkway Drive, Suite 150, Mason, Ohio 45040, until May 27, 2026, at 10:00 a.m. At said time, bids will be opened and reviewed for:

#### **Deerfield Township 2026 Fire Engine/Pumper Purchase**

This will be according to specifications within the bid document and on file at Deerfield Township Administration Building and Fire Department Station 57. Information and specifications are available at Deerfield Township Fire Rescue Station 57, 3435 US Route 22, Loveland, Ohio 45040.

The Deerfield Township Fire Rescue Department reserves the right to accept or reject any or all bids and/or waive informalities or irregularities in the bidding process. All applicable federal, state, and local laws, regulations, and ordinances shall apply, and Deerfield Township Fire Rescue reserves the right to award the contract in the best interest of the Township.

By order of the Board of Trustees of Deerfield Township, Warren County, Ohio.

Eric Reiners, Administrator  
Deerfield Township

To be published on the Deerfield Township website and social media page on April 22, 2026.

# **BID PROPOSAL**

## **FOR**

### **Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase**

## **DEERFIELD TOWNSHIP WARREN COUNTY, OHIO**

### **BID OPENING INFORMATION**

Sealed bids shall be received at the Township of Deerfield until 10:00 a.m. local time, on May 27, 2026, at which time they will be opened and reviewed.

4900 Parkway Drive  
Suite 150  
Mason, Ohio 45040

All proposals shall be labeled:

***“Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase”***

## BID REQUIREMENTS

All bids shall be sealed and marked, ***Deerfield Township Fire Rescue 2026 Engine/Pumper***, and mailed or delivered to the Deerfield Township Administrative Office, 4900 Parkway Drive, Suite 150, Mason, Ohio 45040, **on or before May 22, 2026, at 10:00 a.m.** at which time they will be opened and reviewed. All the sealed bids will be reviewed to determine compliance with specifications, overall cost, delivery timeline, service support, and overall best value to Deerfield Township Fire Rescue. Deerfield Township Fire Rescue reserves the right to request clarification or additional information from bidders as needed.

All the sealed bids will be reviewed to determine compliance with specifications, overall cost, delivery timeline, service support, and overall best value to Deerfield Township Fire Rescue. Deerfield Township Fire Rescue reserves the right to request clarification or additional information from bidders as needed.

This bid document and bid specifications will be on file at Deerfield Township Administration Building and Fire Department Station 57. Information and specifications are available at Deerfield Township Fire Rescue Station 57, 3435 US Route 22, Loveland, Ohio 45040, as listed later in this document.

The Deerfield Township Fire Rescue Department reserves the right to accept or reject any or all bids and/or waive informalities or irregularities in the bidding process. All applicable federal, state, and local laws, regulations, and ordinances shall apply, and Deerfield Township Fire Rescue reserves the right to award the contract in the best interest of the Township.

## INFORMATION REGARDING BIDS

Bidders may bid on the ***Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase***. Bids will be accepted only on forms available from the Deerfield Township.

Late submissions may not be considered, and all bids shall remain valid for a minimum of 90 days and include a completed and notarized Non-Collusion Affidavit. All bids shall also clearly identify any exceptions or deviations from the specifications provided.

Information and specifications are available from Deputy Chief Marc Brinker at the Deerfield Township Fire Rescue Department, 3435 US Route 22, Loveland, Ohio 45140. Main phone number: 513-583-4795, email: mbrin@deerfieldtwp.com.

Deerfield Township reserves the right to accept or reject any or all bids or to waive any formality or technicality in any bid, and/or to accept any alternate or alternates of any bid in the interest of the Township.

**GENERAL SPECIFICATIONS  
FOR  
Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase  
DEERFIELD TOWNSHIP, WARREN COUNTY, OHIO**

**GENERAL:**

The Deerfield Township, Ohio Fire Rescue Department (DTFR) is accepting bids for one engine/pumper. The apparatus shall have a maximum travel length of 33', a maximum travel height of 9' 10" (to include the stowed height of the deck gun), cab width not to exceed 96", body width not to exceed 102", and wheelbase not to exceed 192". The apparatus shall have no less than an 11.3° (degree) angle of approach and no less than an 11.6° (degree) departure angle. The apparatus shall have a cramp angle of no less than 43° (degrees). The apparatus shall also have a 1500 GPM mid-ship mounted pump and a 500-gallon water tank as outlined by these specifications. The apparatus body shall be constructed of extruded aluminum. The truck color shall be red with a white over red cab (exact color to be determined at pre-construction). The bid price must remain valid for a period of 90 days from the date of bid opening.

It is the responsibility of the manufacturer to point out sections of our specifications that could be done safer, easier or less costly to DTFR and their personnel that will be operating on this piece of apparatus. Notification of any conflicting procedures or contradictions that may occur prior or during construction must be submitted immediately to DTFR. No changes to these specifications will be acceptable without written consent from the Fire Chief of DTFR.

**INTENT:**

It is the intent of these specifications to describe the essential minimum requirements for construction and performance of the apparatus and associated equipment. Items not described in this specification for construction or performance, or in NFPA Standard 1901-2000, may be accepted as the standard of the bidder who shall be solely responsible for the design, construction, and performance of the apparatus and equipment. The apparatus shall comply with all Federal, State, I.C.C. and D.O.T regulations, standards and laws relating to commercial vehicles as well as to fire apparatus.

**MANDATORY & OPTIONAL WORK:**

All items listed in the specifications are to be considered mandatory, except those listed as "optional" in which case the price shall be listed. Any person bidding on this project must agree to price and perform all work, and furnish all equipment listed in both mandatory and optional sections of the specifications. It is understood that the purchaser may select or delete items listed and options as necessary when accepting the bid.

**ACCEPTANCE:**

Acceptance of the delivered apparatus and equipment will be made at completion of all required tests and receipt of all specified equipment. Equipment and/or items not delivered at time of tests or construction not in conformance with contractor's proposal will be cause for liquidated damage and have monetary penalties to the manufacturer of \$1000 per day until delivery is complete and acceptable.

The manufacturer must provide, in writing, a third party pump test as required by NFPA 1901-2000.

**SINGLE MANUFACTUER:**

The apparatus cab, body, and chassis are to be designed, assembled, manufactured and warranted by one single builder to ensure compatibility, serviceability, and eliminate divided responsibilities.

A full description including grade and thickness of the proposed material for the body and cab must be contained in the contractor's specifications.

**BUILT IN THE USA:**

All major components must be built and assembled in the continental United States (engine, cab, chassis, body, pump and generator).

**BRAND NAMES:**

Whenever a brand or manufacture's name is utilized in these specifications, the item must be bid and supplied unless permission from DTFR is obtained.

**EVALUATION & EXCEPTIONS:**

In order to properly evaluate all bids, the bid check list indicating compliance or lack thereof, for each item of the specification must be completed and returned with the bid.

Any exception or variation in construction, performance, test or items of equipment between this (Purchaser's Specification and Bidders Proposal) shall be detailed and submitted on sheets provided along with the Bidders Proposal. Bidders must explain in typewritten detail, and with full supporting data, how the proposed deviation meets or exceeds the specifications.

The purchaser reserves the right to determine which (if any) deviations are acceptable.

A complete set of contractor's specifications of the proposed apparatus must be submitted with the bid, in order. "Yes" answers on the bid evaluation sheets do not relieve the bidder of the requirements to submit an accurate proposal. General layout drawings shall be provided with

the bid. They shall include front, rear, left, right, and top views. A detailed turning radius diagram and shoring rack storage diagram shall also be provided.

Discrepancies found in the contractor's specifications will be considered non-compliance.

The purchaser's specifications shall, in all cases, govern the construction of the apparatus, unless a properly documented exception or deviation is approved. This is not an RFP (request for proposal). Any bid indicating that the manufacturer's proposal shall supersede the purchaser's specifications will be immediately rejected.

**FAILURE TO LIST EXCEPTIONS:**

The finished apparatus will be inspected upon completion for compliance with specifications and previously authorized exceptions. Deviations will not be tolerated and will be cause for rejection of apparatus unless they were originally listed in the bidder's proposal. Failure to comply with specifications will result in monetary penalties of \$1000 per day to the manufacturer, beginning the day after delivery, until the apparatus meets the final specifications. If after 30 days the apparatus is not brought to compliance, the bidder may be considered in default of the contract and procedures to institute the provisions of the performance bond may be started.

**RIGHT TO REJECT BIDS:**

DTFR reserves the right to reject any and all bids received, and accept any bid which, in their judgment, best serves the interest of the Township.

**PRODUCT LIABILITY INSURANCE:**

Product liability insurance of not less than \$10,000,000.00 shall be supplied by the bidder. The bidder shall provide documentation of the amount of product liability carried by the manufacturer and the name of the insurance carrier at the time of bid submission. General liability of umbrella policies is unacceptable. The successful bidder shall defend any and all suits and assume liability for the use of patent devices or articles forming a part of the apparatus furnished under the contract. Failure to supply a copy of the Certificate of Insurance with the bid will be cause for immediate rejection of the bid. No exception to this requirement will be allowed. Additionally, the bidder shall provide documented proof that all accessories and options are protected through product liability insurance.

**MANUFACTURER'S SOLVENCY:**

The solvency of the manufacturer is a prime concern of DTFR. Each bid must include a financial statement from Dunn and Bradstreet or another nationally recognized accounting firm. Additionally, a financial statement shall be provided for the proceeding year. Failure to comply will be cause for immediate rejection.

**DELIVERY TERMS:**

The apparatus shall be delivered by the bidder, under its own power, within 730 calendar days or 24 months from the date of signed contract / notice of award, with all equipment specified to the DTFR Station 57 located at 3435 State Route 22, Loveland, Ohio 45140.

Responsibilities for the apparatus shall not pass to DTFR until its final acceptance by the Fire Chief and the apparatus committee.

The bidder must submit a firm delivery time (number of calendar days) of said apparatus with the bid. Quoting the number of days after receipt of all components is unacceptable. Monetary penalties in the amount of \$1000 per day to the manufacturer will also apply if the apparatus is delivered and rejected, until the apparatus is returned meeting specifications.

**PRE-DELIVERY SERVICE:**

After transportation from the factory and immediately prior to delivery, the apparatus shall receive a pre-delivery service consisting of: engine oil & filter change, chassis lubrication, fuel filter (s) changed, adjustment of engine to manufacturers specifications, complete inspection including all electrical and mechanical devices, for operation and correction of leaks or obvious problems.

**FACTORY INSPECTION TRIPS:**

All inspections trips shall be at the expense of the manufacturer and shall be included in the proposal price for four members of DTFR.

The total number of factory trips shall be three (3) and shall include:

- (1) Pre-Construction
- (2) Mid-Point (when chassis is complete and just prior to setting the body on the frame)
- (3) Final Inspection

The apparatus must be in finished condition and ready for shipment when the final inspection is scheduled.

A road performance test and pump test shall be performed during the final inspection trip.

In addition, the purchaser reserves the right to visit the manufacturer's facility at any time, at no cost to the bidder, to monitor the construction of the apparatus. Advanced notice of these visits will be made prior to arrival.

DTFR reserves the right at any time to deal directly with factory representatives as opposed to local sales representatives.

### **APPROVAL DRAWINGS:**

Final drawings for approval and blueprints with all details thereon must be furnished after the pre-construction conference and before the apparatus construction begins for the review of the apparatus committee.

### **APPARATUS WARRANTIES:**

The bidder shall warrant the apparatus and effective materials and workmanship bumper to bumper for a period of not less than two (2) years from the date the apparatus is delivered. The bidder shall list any exceptions to this warranty at time of bid.

A ten (10) year / 100,000 mile structural cab and body warranty shall be provided. Compartment doors shall also be covered in this warranty.

A ten (10) year paint warranty shall be provided.

A twenty (20) year / unlimited mileage frame rail warranty shall apply.

A five (5) year / 50,000 mile engine and transmission warranty shall be provided.

A complete list of warranties shall be provided with the bidder's bid.

### **SERVICE MANUALS, PRINTS, & SCHEMATICS:**

Two (2) operator manuals or USB drives with appropriate information in digital format for the specified apparatus are to be provided.

Two (2) chassis maintenance manuals or USB drives with appropriate information in digital format containing parts and service information on major chassis components are to be provided.

Two (2) illustrated parts manuals or USB drives with appropriate information in digital format covering both the body and chassis shall be provided. The parts description shall be of the expanded drawings type, showing all component parts.

All service manuals, prints, and electrical schematics are to be specified "AS BUILT" for this apparatus.

### **CHASSIS MECHANICAL SYSTEMS:**

#### **ENGINE:**

A Cummins L9 (if available) or X10 450 HP engine that complies to current US emissions shall be installed. The following ratings shall apply.

- 450 HP
- Minimum 1250 ft/lbs of torque
- Top speed shall be 68 MPH in 5<sup>th</sup> gear

The daily engine fluid checks shall be able to be completed without tilting the cab. Access locations must be submitted with the manufacturers' bid proposals.

An EPQ certification shall be supplied with the bid, attesting to the suitability of the engine installation.

*Engine warranty:*

There shall be a Five (5) year warranty provided by the engine manufacturer.

COOLING SYSTEM:

Appropriate size radiator shall be installed and high-grade silicone hoses with appropriate clamps shall be used throughout. A radiator skid plate shall be installed below the radiator for protection.

TRANSMISSION:

An Allison 3000 EVS, five (5) speed automatic transmission shall be installed. The transmission selector shall be a push button shift control. Fifth gear shall be locked out for normal driving. A "Mode" button shall be supplied in which fifth gear shall only be available after engaging the "Mode" button.

*Transmission Shifter:*

The transmission shall be controlled by an Allison push button type shift control. It shall be internally illuminated for night operation. It shall be mounted to the right of the steering column on the driver's dash console.

ENGINE BRAKE:

A Jacob's engine brake shall be installed to aid in slowing and controlling the vehicle when descending long grades. An on / off and low / med / high control switch shall be mounted in the cab.

The Jake Brake shall retard the engine, when activated it shall alter the operation of the exhaust valves, so the engine works as a power-absorbing air compressor. The Jake Brake shall have an override switch that automatically deactivates the brake whenever the accelerator is depressed.

### AXELS:

Both front and rear axles shall be manufactured by Meritor. The appropriate weights shall be determined by the manufacturer.

Stemco oil seals shall be provided for the front axle and Stemco oil hubs for the front wheels.

The apparatus shall have a Sheppard steering system.

The apparatus shall have a parabolic front suspension of appropriate size in relation to the vehicle.

### TIRES & RIMS:

The tires shall be manufactured by Michelin. The appropriate size and weights shall be determined by the manufacturer. The tires shall be 12 ply.

ALCOA aluminum rims shall be supplied with the apparatus. The center hubs shall be painted job color to match the apparatus. Chrome lug covers shall be provided for each lug.

### BRAKES:

The vehicle shall be equipped with a Wabco anti-lock brake system.

A combination control valve for emergency / parking brakes and emergency engine return to idle, shall be installed in such a location that it can be easily reached by either the driver or officer seat while seated and belted

Both front and rear brakes shall be Meritor disc brakes of the appropriate size in relation to the vehicle.

### *Air brake system:*

The air brake system shall meet the requirements of FMVSS-121. The system shall consist of three (3) reservoirs with a total capacity of 5214 cubic inches. The system shall be of dual circuit and quick build up design powered by an engine mounted gear driven air compressor. The system shall be protected by a heated air dryer and shall have a heated automatic moisture ejector on the wet tank. Quarter turn brass drain valves shall be installed on the other tanks.

The system shall be plumbed using color-coded nylon air lines with brass push lock fittings.

Air dryer:

The air system shall include a Wabco air dryer with integral 12-volt heated moisture ejector. The air dryer shall have a spin on desiccant cartridge and incorporate an integral turbo cutoff valve. The turbo cutoff allows the air dryer to purge water and contaminants without any loss of turbo boost or engine horsepower.

WABCO 4 Channel ABS System:

A WABCO, 4-channel Anti-Lock Braking System shall be installed. The system shall include four (4) wheel sensors and four (4) modulators to control and compensate braking force at each wheel

An ABS warning light shall be installed on the driver's dash. The light shall remain illuminated until the vehicle is moving at least four (4) miles per hour. A labeled diagnostic switch shall be mounted on the Diagnostic Information panel and will cause the ABS light to blink to indicate system failures.

HIGH IDLE:

A high idle switch shall be installed on the apparatus. The high idle shall include interlocks to prevent its activation when the apparatus is in road gear, the PTO is engaged, or if the parking brake is not engaged.

BATTERIES:

Six (6) single start-group 31, 1000CCA each shall be installed.

Battery accessories:

A Kussmaul battery charger with air compressor shall be installed. A Kussmaul auto eject 20-amp receptacle with bar graph display shall also be installed just inside the driver side door of the apparatus.

Battery jumper studs shall be provided with location to be finalized at pre-construction.

A battery master load disconnect shall be provided with location to be finalized at pre-construction.

Battery Access:

The rear cab steps shall include hinged diamond plate doors that provide access to the batteries. The batteries shall be secured in stainless battery boxes.

### ALTERNATOR:

A 430 amp alternator shall be supplied. The largest size possible which is compatible with the apparatus shall be determined by the manufacture and installed.

### FUEL TANK:

A 65 gallon stainless steel fuel tank shall be installed. The straps and hardware shall also be constructed of stainless steel.

A "DIESEL FUEL ONLY" plate shall be located above the fuel fill.

A manual fuel shut-off valve shall be installed and located before the fuel/water separator and accessible if needed.

A secondary fuel filter shall also be installed.

### Braided wire reinforced fuel lines:

The fuel lines shall be wire braid reinforced fuel hose with brass reusable fittings and shall be carefully routed along the inside of the frame rails, protected against chaffing by non-conductive frame mounted standoff fasteners.

### Hose and wire harness routing:

Any wiring harness or hydraulic /air hose that must pass to the outside of the frame shall not run over or under the frame flanges. Hydraulic and airlines shall pass through the frame using bulkhead fittings. All battery cables shall also utilize bulkhead fittings. Wiring harness shall pass through the frame within a protective rubber boot. For ease of maintenance the hydraulic / air hoses and electrical wiring harness shall be run separately down each side of the frame rails. The hydraulic / air hoses shall run down the right side of the frame rails, and the electrical wiring shall run down the left side of the frame rails.

### DEISEL EXHAUST FLUID (DEF):

A 10 gallon DEF tank shall be installed and accessible by a hinged door on the driver side rear, lower side of cab.

### AUTOMATIC LUBRICATION SYSTEM:

A Vogel Automatic Lubrication System shall be provided. The lubrication shall be supplied while the vehicle is in motion to allow a uniform application of grease to the locations listed. The electronic control unit that forms part of the system shall activate the pump after an adjustable interval time. The unit shall control and monitor pump operation and report any

faults via an indicator light on the driver's dashboard of the cab. The location of the grease reservoir shall be determined at the pre-construction meeting.

**DRIVE LINE LOOPS:**

A minimum of two (2) drive line loops shall be provided. One shall be mounted prior to and one after the pump module.

**FRAME RAILS:**

Double frame rails shall be installed and be either galvanized or protected.

**FIRE PUMP and ACCESSORIES:**

**PUMP:**

A Waterous single stage, 1500 GPM fire pump shall be supplied. The outer pump bearing kit shall have a zerk kit.

**Packing:**

Mechanical seals shall be provided.

**Pump accessories:**

A Thermal Relief Valve shall be provided.

All plumbing shall be made from stainless steel.

The pump panel shall not exceed 45" in width.

The pump transfer switch shall be air activated. Pump shift will be mounted in the cab on the driver's side.

A pump anode system shall be provided (discharge and suction)

An FRC Pump Boss Pressure Governor/ Engine Throttle shall be installed.

A "Pump Hour" meter shall be installed on the pump panel.

A "Pump Overheat" alarm and light shall be installed on the pump panel.

An "Air horn" control and 12v scene light switches shall be installed on the pump panel

A service air outlet shall be supplied on the pump panel.

Engine and pump cooler lines controlled by ¼" turn valves shall be installed and controlled on the driver's side pump panel. The engine cooler lines shall be 1/2" and the pump cooler lines shall be 3/8".

A Waterous VPO oil less primer shall be provided.

LED lighting shall be installed on the driver and officer side pump panel.

Both driver and officer side pump panel shall be black anodized aluminum. Both pump panels shall be either fully removable or hinged for pump access.

There shall be a front pump access panel to allow access to pump while cab is tilted.

There shall be a switch controlled LED light in the pump area for maintenance purposes.

A pump drain shall be installed to the lowest part of the pump. The manual valve shall be accessible on the driver side on or under the pump panel.

#### WATER TANK:

A 500 gallon poly booster tank with sump drain and top fill tower shall be supplied.

An FRC TANK VISION gauge shall be installed for the water tank.

Larger LED tank level lights shall be installed on the cab, one on the driver side and one on the officer side.

A 1.5" tank drain shall be supplied and connected to the lowest part of the water tank.

A 3" tank-to-pump valve with push/pull control shall be supplied.

A 2" tank fill valve with push/pull valve shall be supplied.

A .5" recirculation valve shall be supplied.

#### VALVES/GAUGES:

All valves shall be AKRON swing-out style.

All valves larger than 3" shall be equipped with Akron 4" hand wheels with optional positional indicators.

The suction and pressure gauges shall be 4 ½" metal bezel gauges.

The pressure gauges for all discharges shall be 2 ½" metal bezels that range from zero (0) to four hundred (400) psi and shall have color bezel covers that will coincide with appropriate discharges. Colors will be finalized at pre-construction.

### INTAKES:

Two (2) 6" side intakes shall be provided. The intakes shall be equipped with a Task Force Tips Legacy Master Intake Valves (MIV). The MIV shall be manually operated.

One (1) 5" rear intake shall be provided. The rear intake shall have a relief valve and a drain (drain shall be installed on the discharge side of the valve); and shall be controlled by a manual valve on the driver's side pump panel.

One (1) 2.5" auxiliary intakes shall be provided. This inlet will be on the driver's side pump panel and shall be controlled with a swing control and have a drain.

### DISCHARGES:

No discharges shall be provided on the driver's side of the pump panel. No crosslay's or speedlay's will be accepted. All pre-connected hand lines will come off either the front or rear of the apparatus. NO EXCEPTIONS.

All discharges shall be color-coded. A color placard shall be mounted near each gauge, valve handle, and discharge. All placards shall be attached with screws.

A placard shall be made and attached to the pump panel diagramming the apparatus and all discharge locations. Specifics shall be discussed at the pre-construction meeting.

Two (2) front discharges shall be provided and plumbed to the front bumper. One shall be 2" (officer side) and the other 2 ½" (driver side). Each discharge shall have 360 degree swivels. One discharge shall be mounted on the right side (officer side) of the front bumper and the other on the left (driver side), as far outboard as possible. A floating hose tray (not affixed to the bumper) to hold 150' of 1 ¾" hose shall be provided on the right side of the front bumper on the outside of the frame rail. The other hose tray shall be capable of holding 200' of 1 ¾" hose and be mounted between the front frame rails. Each shall have low point drains and be controlled by a push pull control on the driver's side pump panel.

Two (2) LDH discharges shall be mounted on the officer's side pump panel. One (1) discharge shall be 4" and the other 3". The 4" discharge shall be equipped with a 4" NST to 5" stortz elbow and a stortz blind cap. The 3" discharge shall be equipped with a 3" NST to 5" stortz elbow. The 3" discharge shall be above the 4" discharge. Both shall be controlled by a handwheel control on the drivers side pump panel and both shall have low point drains.

Four (4) 2.5" rear discharges shall be provided with 2 ½" plumbing. All discharges shall be at the rear of the hose bed (back of the apparatus). Two discharges shall be mounted on the left

side of the hose bed and the other two on the right. Each shall have low point drains and be controlled by a push pull control on the driver's side pump panel. The exact layout of the discharges shall be determined at the pre-construction meeting.

One (1) 3" Deck gun discharge shall be provided and equipped with an 18" TFT extend-a-gun. This shall be operated by a handwheel control on the drivers side pump panel and shall also have a low point drain. An Elkhart Brass Vulcan 8500 with stream shaper and stack tips shall be provided with the apparatus.

Two (2) 150' 1" booster reel shall be provided. The reel shall be mounted above the pump panel on the left and right side of the apparatus. The reel shall have an electric rewind and guide rollers installed. Exact position will be made at pre-construction.

All discharges and intakes shall be equipped with manual drain valves.

### HOSE BED AND TRAYS:

The hose bed storage shall not be more than 67 ½" wide. A properly supported tread plate hose bed cover shall be provided with the apparatus. The covers shall be equipped with hardware to hold them open, and the doors shall be connected to the door open indicator panel. A cargo net to cover the rear of the hose bed shall be supplied. The cargo net shall be affixed to the truck at the bottom of the truck, and shall be connected with seat belt connectors at the top with a way to release all the connectors while standing on the ground. A standard Little Giant Ladder shall be mounted to the inside of the hose bed cover or in the hose bed.

There shall be at least two (2) flush mounted LED lights on the front (rear) of hose bed, mounted as high as possible. This will assist in lighting in low light areas with loading hose.

Rear hose bed storage shall be as follows starting on the left:

- 400' 2 ½" (Dead load to connect to first rear discharge)
- 400' 2" (Dead load to connect to the second rear discharge)
- 600' 3" (Dead load)
- 1050' 5" LDH
- 200' 1 ¾" (pre-connected to third rear discharge)
- 200' 2 ½" (pre-connected to the fourth rear discharge)

The bottom of the rear hose bed shall not exceed 60" from the ground.

Five (5) hose bed dividers shall be provided between each pre-connect, LDH, and dead-load hose lines. The dividers shall be reinforced. The dividers shall be secured in the bottom, front wall and rear bar in a minimum of three locations. These dividers shall have the ability to move left and right if needed to accommodate any future hose additions.

Two (2) 5" hose trays shall be supplied, one (1) on either side of the pump. The trays shall be capable of holding 25' of 5" supply hose. The ends of the trays shall be beveled.

The front and side hose wells / trays shall be “free floating”. Hose wells / trays that are attached to the vehicle will not be accepted.

**CAB:**

**CAB GENERAL:**

A five (5) person enclosed cab with an 8” raised roof shall be provided. Included in the cab shall be a storage area located in the rear of the cab. Cab width shall be no wider than 96”, and cab length shall be no longer than 142”. The front windshield shall be a two-piece windshield (officer side and driver side separate window). All interior coverings shall be aluminum, stainless steel or diamond plate and shall not be made of any plastic or vinyl material. All interior metal including floors, walls, ceiling, cab engine tunnel, shelves, cabinets, etc. shall be protected with Rhino lining, Line X or similar protectant. The doors, walls, ceiling and interior engine tunnel shall be smooth protectant covering while the floor shall be non-slip protectant covering as detailed above.

**Headliner Space:**

There shall be adequate space in the front headliner space from far left to far right to have the ability to mount mobile radios, Opticom, arrow stick controller, FireCom controller and other electrical equipment.

**Engine Tunnel Mounting Plate:**

There shall be an engine tunnel mounting plate that covers the cab engine tunnel. There shall also be a compartment on the engine tunnel that will have a hinged lid and be able to securely hold an EMS glove box.

**Exterior Cab Tool Mounting:**

Four (4) 6’ NY Hooks shall be provided and mounting hardware installed on the back side of the cab, two (2) on the driver side and two (2) on the officer side. There shall be a metal plate mounted to the cab at the top of the tool that will provide protection from the tool and the cab.

**Cab doors:**

The cab doors shall be barrier style doors with concealed door hinges. There shall be interior handles provided on the inside of the doors to grab and assist in shutting the door. The two (2) rear cab doors shall have a bar that spans the length of the door as a grab handle. The interior of the cab doors shall be metal and be protected with Rhino lining, Line X, or similar protectant.

**Window Regulators:**

All cab door windows shall have electric window regulators. Each door shall have its own control for the window on the associated cab door, and the driver shall have controls for all

windows. The windows shall automatically roll up to the closed position when the truck is placed into pump to eliminate smoke from entering the cab.

Front Grill:

The front grill shall be a custom grill with a backlit "DEERFIELD".

Fenderettes:

There shall be polished fenderettes on all wheel wells.

Cab Tilt:

An electric cab tilt with full cab tilt lock shall be provided. The controller shall be able to be disconnected and stored when not in use.

Grab handles:

One (1) grab handle shall be provided on the front of cab. The handle shall be mounted horizontally in the center just below the windshield.

One (1) grab handle shall be mounted vertically near each entrance door. The handles shall be a style in which have flat ends, rounded ends that terminate in the body of the apparatus will not be accepted. Molded rubber gaskets shall be mounted between the grab handle stanchions and the body in order to prevent corrosion due to dissimilar metals being in contact.

Mirrors:

The right side (officer side) mirror shall be a front (cowl) mount RAMCO remote controlled with a top convex mirror.

The left side (driver side) mirror shall be a door mount RAMCO remote controlled with top convex mirror.

The mirrors shall be heated remote full face flat glass and heated manual top convex.

There shall be one "eyeball" mirror on the front officer side mounted to the roof of the cab with the ability to show the full front bumper.

FRONT BUMPER:

The vehicle shall be equipped with a one-piece 10" high, 21" extended, painted reinforced steel bumper with angled (sweptback) ends/corners. The front bumper shall be painted job color.

Rubber "dock bumpers" shall be provided on the front bumper, and shall protrude further than the Q siren and tow eyes.

Tow eyes:

Two (2) heavy duty tow eyes shall be provided at the front and rear of the apparatus. The eyes shall be rounded with no sharp edges as to allow for rope anchor points at the front and rear of the apparatus. These tow eyes will project out from the front bumper, and project out far enough from the rear that they are easily accessible and painted job color.

Siren Speakers:

Two (2) 100W Whelen speakers shall be provided and mounted in the bumper, outboard on both sides.

Air Horn:

One (1) Grover Stutter tone air horn shall be provided. This shall be mounted through the bumper on the officer side between the siren and tow eye. Activation as detailed in this spec at the pump panel via momentary switch, and pull cord in the cab.

Q2B Siren:

There shall be one (1) Q2B siren provided. The siren shall be mounted through the bumper on the driver side between the speaker and tow eye.

SEATING:

All seats shall be covered in DURAWEAR material. The seats shall be gray in color.

Drivers Seat:

The driver's seat shall be a Bostrom Sierra high-back air suspension seat. The seat shall have 4-way adjustability by the driver in accordance with SAE J1517.

The seat shall be equipped with a 3-point seat belt. The seat belt shall be RED in color.

### Officers Seat:

The officer's seat shall be a BOSTROM Tanker 450 non-suspension seat with IMMI SmartDock SCBA bracket. Depending on the location, the officer seat might need to be adjusted with a riser and moved as far back as possible.

The seat shall be equipped with a 3-point seat belt. The seat belt shall be RED in color.

There shall be a storage compartment under the officer seat with a door.

### Forward Facing Crew Seats:

The rear cab area shall contain three (3) high back fixed forward facing seats. They shall be spaced evenly and mounted against the rear wall. The two outboard seats shall be BOSTROM Tanker flip up, non-suspension seats with IMMI SmartDock SCBA bracket. The one middle inboard seat shall be BOSTROM Tanker 450 non-suspension seat with IMMI SmartDock SCBA bracket.

These seats shall be equipped with a 3-point seat belt. The seat belts shall be RED in color.

The center seat shall have a fixed seat bottom. The outer two seats shall have spring loaded hinged fold up seat bottoms to aid in exiting the vehicle.

### CAB COMPARTMENTS:

There shall be two (2) rear facing EMS/equipment compartments in the cab, installed outboard on the driver's side and officers' side above the front wheel well. Both shall have roll up interior doors and shall be accessible from the outside via an exterior open swinging, vertically hinged door. The driver's side compartment shall span from floor to ceiling and the officer's side compartment shall not exceed the height of the top of the officer's seat on the officer's side. Both shall have two (2) adjustable shelves, and one (1) 120v shoreline powered outlet and one (1) 12V double USB outlet.

An exterior compartment on the rear, lower officer's side of the cab shall be provided, large enough to fit a standard pressurized water extinguisher.

### SUN VISORS:

Tinted sun visors shall be provided. The tint shall be light enough to allow the driver to see through them. There shall be one on the driver side, one on the officer side, and one in the middle.

### CAB TINT:

The side rear windows shall be tinted.

### AUXILARY 12 VOLT OUTLETS:

There shall be two (1) automotive type 12 volt auxiliary electrical outlets with covers mounted on the central dash area, as well as 12 volt USB outlets. There shall also be two (2) sets of 12 volt USB outlets on the back wall of the cab, one (1) on either side of the fixed rear forward facing seat. There shall also be a 12 volt USB outlet on the driver side, location to be determined at pre-construction.

### FUSE BLOCK:

A 12 Volt DC power distribution strip (fuse block) shall be supplied. Its location shall be determined at the pre-construction meeting.

### MULTIPLE DOOR AND SAFETY WARNING LIGHT PANEL:

There shall be an LED door(s) ajar and safety warning light panel mounted in the headliner of the cab between the officer and the driver. These lights shall illuminate showing the approximate cab or compartment door(s) that are open. The panel shall also indicate when an occupant does not have their seat belt fastened. This light panel shall operate only with the ignition on and the parking brake released.

### 360 DEGREE SAFETY SYSTEM:

A 360 degree camera safety system shall be provided. This system shall have the ability to show the right, left, front, and rear of the vehicle and be able to toggle through views and rear camera must come on when truck is in reverse; and have the ability to record incidents if needed. The image shall be able to be displayed on a monitor in the cab on the drivers side.

### BACK-UP ALARM:

A back up alarm of the appropriate decibel shall be installed and activate in reverse.

### VEHICLE DATA RECORDER:

There shall be a vehicle data recorder that will record diagnostics of the truck and store this info. It shall also have the ability to record from 360 view cameras and begin recording prior to and during an accident. This info shall be able to be uploaded and transferred if needed.

### TOTAL SYSTEM MANAGER - CLASS 1

The apparatus shall be equipped with a Class 1 Total System Manager (TSM) with high idle for performing electrical load management. The TSM shall have two (2) modes of operation, a "Calling Right of Way" mode and a "Blocking Right of Way" mode. The "Blocking Right of Way" mode is activated only when the park brake is set. Load shedding may occur "only" in the "Blocking Right of Way" mode and when the battery voltage level reaches your programmed shed level. There shall also be a manual high idle switch in the cab, drivers side.

Outputs 1-12 shall be independently programmable to sequence on with the ignition or master warning switch. Outputs 1-12 shall also be programmable to be activated during the "Calling Right of Way" mode and or the "Blocking Right of Way" mode. Output 13 is user configurable output and shall be programmable for activating between 10.5 and 15 volts. Output 14 shall provide a low voltage warning for an isolated battery. Output 15 shall be designated to activate a fast idle system. Output 16 shall provide a low voltage alarm that activates at the NFPA required 11.8 volts.

The Total System Manager shall have a digital display to indicate system voltage in normal operation mode and also indicate the output configuration during programmable mode.

The Total System Manager shall be protected against reverse polarity and shorted outputs, and be enclosed in a metal enclosure to enhance EMR/RFI protection.

#### AIR HORN:

The air horn shall be activated by a pull cord that will be attached to the ceiling of the front of the cab. The pull cord will split at the air valve, one cord going towards the officer side, and one towards the driver side which will allow the driver and officer the ability to use.

#### ELECTRIC HORN:

An electric air horn shall be provided that is activated by the push button on the steering wheel. This shall be active when the batteries are on and in response and non-response mode.

#### Q-SIREN SWITCHES:

There shall be two switches to operate the Q-Siren. The switches shall be mounted one (1) on the drivers side in the cab ON THE FLOOR (outboard) and one (1) mounted on the officer side in the cab- BUTTON TYPE ON THE DASH.

#### FRONT MUD FLAPS:

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the front cab fenders.

#### AUXILIARY AIR INLET:

An auxiliary air inlet shall be provided to remotely fill the apparatus air tanks. The location of the fill valve will be determined at the pre-construction meeting.

### 12-VOLT BATTERY CHARGING RECEPTICLE:

There shall be a Kussmaul 12-volt, male power inlet receptacle wired to the 12-volt chassis batteries. The receptacle shall be configured to allow a remote 12-volt DC power source to charge the batteries.

### AIR COMPRESSOR

The small on-board air compressor shall be mounted on the vehicle to maintain the air pressure in the air brake system while the vehicle is not in use. A pressure switch will sense the system pressure and operate the compressor whenever the pressure drops below a predetermined level. This shall be a WABCO air compressor and air dryer of the appropriate size.

### BATTERY CHARGER

The on-board automatic battery charger shall be mounted in the vehicle to maintain the chassis electrical system.

This battery charger senses the batteries in the vehicle and recharges exactly as much as required. When the batteries are fully charged, all charging stops. The state of charge is indicated on a remotely located bar graph display whenever power is applied to the vehicle. The battery charger shall be a Kussmaul battery charger of the appropriate size and application.

Indicators:

Power - indicates input power applied

Battery Saver - indicates battery saver load exceeds 3 amps

Bar Graph - remotely located, indicates state of charge of batteries.

### EXTERIOR LIGHTING:

All DOT lighting shall be LED.

The headlights shall be Fire Tech FT-4X6-4KIT LED, with "daytime" running lights. The "halo" light shall be the daytime running lights.

Four (4) underbody LED lights shall be installed on the cab of the apparatus. One (1) shall be located at each cab door.

Two (2) underbody LED lights shall be installed under the front bumper below the tow hooks.

### INTERIOR LIGHTING:

Interior cab lighting shall be provided at the following locations:

- One (1) clear and one (1) red lens light shall be provided above each seated position. The clear lens lights shall automatically come on when a door is open.
- Lighting shall be located near each interior step-well into the cab. These shall all automatically come on when a door is open.
- One (1) LED directional light shall be affixed on the interior of each cab door and shall turn on when the individual door is open, as to alert traffic of a cab door being open. The light shall be mounted in the upper outside corner of each door. The flasher assembly shall be weather proof.

#### INTERIOR VENTILATION:

Air conditioning and heating units shall be provided for the front and rear of the cab to include defog and defrost. The appropriate size shall be determined by the manufacturer and approved by the fire department before the bid is awarded. The air conditioner lines shall be secured with mechanical crimps to prevent leaks.

Two (2) variable speed fans shall be provided in the front of the cab. The fans shall be mounted to the headliner in the cab and not on the dash.

#### INTERIOR DOOR COVERINGS:

All door panels shall be covered in either aluminum or stainless steel to resist wear. Standard size "STOP" signs shall be mounted on the lower half of the door panel. The entire cab shall be sprayed with bed liner coating colored gray or black.

#### INTERCOM SYSTEM - FIVE POSITION

A wired FIRECOM 5100D digital intercom single radio communication system, or other FIRECOM equivalent that meets NFPA standards shall be provided and installed on the apparatus. The system shall be able to support at least six (6) headsets (5 riding positions, and one exterior position). This system will only need to support a single mobile radio input. This system should also have a control box that is accessible and installed in the headliner in the front of the cab and be powered by a 12v supply.

#### Five Seated Positions

##### Headset – FIRECOM – UH-51 – Driver Position

There shall be a model UH-51 headset provided for the driver's position. The headset shall provide a single plug under helmet radio transmit headset. It shall have a Red (PTT) Push to Talk located on the dome. The headset shall come with an adjustable volume, noise cancelling electret microphone, adjustable head strap, flexible style boom for rotation of right or left dress. The headset shall provide high clarity speakers.

### Headset - FIRECOM – UH-51 – Officer Position

There shall be a model UH-51 headset provided for the officer's position. The headset shall provide a single plug under helmet radio transmit headset. It shall have a Red (PTT) Push to Talk located on the dome. The headset shall come with an adjustable volume, noise cancelling electret microphone, adjustable head strap, flexible style boom for rotation of right or left dress. The headset shall provide high clarity speakers.

### Headset - FIRECOM – UH-52 – Crew Position - Three (3)

There shall be a model UH-52 headset provided for a crew seated position. The headset shall provide a single plug under helmet intercom transmit headset. It shall have a Black (PTT) Push to Talk located on the dome. The headset shall come with an adjustable volume, noise cancelling electret microphone, adjustable head strap, flexible style boom for rotation of right or left dress. The headset shall provide high clarity speakers.

### Headset Plug-In

There shall be a headset plug in module provided and installed in the apparatus for each seated position. These modules are used to connect the intercom via the module RJ-14 jack. Location of these plug-ins will be determined at pre-construction.

### Five (5) Headset Hangers

There shall be a headset hanger for each headset provided with the apparatus. This hanger shall be a rubber coated steel hook which shall be used for mounting the headset.

### ANTENNA INSTALLATION:

There shall be a total of four (4) antennas supplied by the customer and installed by the apparatus body builder. These antennas are for the mobile radio, AVL, Opticom, and Wi-Fi cradle point. Location will be determined at pre-construction.

### OPTICOM INSTALLATION

The Opticom system will be provided by the fire department and installed. The location will be in the headlining of the front cab.

### RADIO INSTALLATION:

The radio supplied by the Fire Department shall be installed as directed by the apparatus body builder. The radio brains shall be mounted behind the officer seat, and the radio head shall be mounted in the headlining of the front cab and two (2) supplied speakers provided by the Fire Department shall be installed.

**KNOX BOX INSTALLATION:**

The KNOX BOX shall be installed as directed by the fire department. The system will be supplied by the fire department.

**BOX LIGHTS:**

Five (5) Stream Light LED light-boxes, orange in color shall be supplied. Chargers shall be included and charge off the shore line and apparatus batteries. Their mounting location shall be determined at the pre-construction meeting.

**APPLICABLE SIGNAGE AND WARNINGS:**

A sign shall be installed in the cab near the gauge panel indicating the overall height, width, length, and weight of the vehicle. All applicable NFPA and other safety signage/warnings shall be provided and placed on the truck.

**WHEEL CHOCKS:**

Four (4) Ziamatic #SAC-44 folding wheel chocks with underbody mounting brackets shall be provided.

Two (2) chocks shall be mounted per side of the apparatus.

**OFFICERS SIDE DIGITAL SPEEDOMETER:**

An officer's side digital speedometer shall be installed in the apparatus.

**BODY:**

**BODY GENERAL**

An extruded aluminum body shall be constructed.

The body shall have a flat back end (mini beavertail).

Seven (7) flip down steps shall be installed on the body. Two (2) shall be mounted forward facing on the drivers side pump panel (to the right of the pump driver side panel); three (3) shall be mounted forward facing on the officers side pump panel (to the left of the officer side pump panel); two (2) shall be mounted in the rear on the body just outboard of the two rear compartments. All of these steps shall be provided with illumination.

**Exterior Lighting:**

All DOT lighting shall be LED.

Four (4) underbody LED lights shall be installed on the body of the apparatus. Two shall be on the driver side and two on the officer side (One (1) located below the front compartment and one (1) located below the rear compartment on both sides)

Two (2) underbody LED lights shall be installed under the rear tailboard to the outboard side of the tow hooks on both sides.

Lighting shall be provided at the rear axel to illuminate the wheels during tight maneuvering at night time operations. This shall be done utilizing the Whelen M6 V-Series Warning/Scene combination light and will be mounted above each rear wheel well.

#### Grab Handles:

Two (2) vertical grab handles shall be installed in the rear of the truck just outboard of the outsides of the hose bed. Horizontal grab handles shall also be installed in appropriate locations with flip down steps to facilitate safety. The handles shall be a style in which have flat ends, rounded ends that terminate in the body of the apparatus will not be accepted. Molded rubber gaskets shall be mounted between the grab handle stanchions and the body in order to prevent corrosion due to dissimilar metals being in contact.

#### Fenderettes:

There shall be polished fenderettes on all wheel wells.

#### Rear Mud Flaps:

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the rear body fenders.

#### COMPARTMENTS:

All floors, trays and shelves shall be covered with black dry decking or protected with Rhino lining, Line X or similar protectant.

All compartments shall have interior LED lighting that illuminates when the compartment door is opened.

One (1) Double wheel well SCBA cylinder and one (1) single wheel well SCBA storage shall be provided on each side of the truck. The double SCBA storage shall be towards the front of the wheel well, and the single SCBA bottle storage shall be towards the rear of the wheel well. A total of three (3) cylinders shall be stored on each side of the apparatus. The storage shall accommodate Drager 4500 PSI cylinders.

Two anchor points shall be installed on the body, one on the driver and officer side, behind the rear wheels below the single SCBA bottle compartment

### Officer (Right) Side Compartments

Three (3) high side and two (2) lower compartments shall be installed on the officer's side of the apparatus. These compartments are to be as large and deep as possible, and shall have vertically hinged doors.

The two (2) rear high side compartments shall each have an adjustable shelf. The front low side compartment shall also have an adjustable shelf. The front high side compartment shall have a Pac Trac Tool Board installed on the back wall of the compartment. The rear lower compartment shall be transverse and shall have one (1) adjustable shelf, with a divider and 120V shoreline powered outlet for a battery powered fan. Dimensions of this will be discussed and finalized at pre-construction.

The upper and lower officer side compartment shall be 44"-46" wide. The upper compartments shall have a depth of 14"-16". The lower compartments shall be full depth.

### Driver (Left) Side Compartments

Three Quarter type rescue style compartments shall be provided on the left side of the apparatus. These compartments are to be as large and deep as possible. The front and rear compartments shall be vertically hinged, and the middle compartment above the wheel well shall be hinged at the bottom so the door opens down.

The front compartment shall have a permanent shelf, and a pull-out shelf on the bottom with a mounting bracket on the back side of the pull-out tray. Location of shelf will be discussed and finalized at pre-construction.

The rear compartment shall be transverse with one (1) permanent shelf, one (1) adjustable shelf, and one pull out tray on the bottom. Location of shelves will be discussed and finalized at pre-construction.

### Rear Compartments

Two (2) rear-facing compartments shall be provided. The rear compartment doors shall be vertically hinged and constructed out of tread plate. The compartments shall be as deep as possible. The rear intake shall divide these two compartments with a door below the intake that will be hinged at the bottom.

### Top Dunnage Compartments

Two (2) compartments with diamond plate lift up doors on struts shall be installed on the top officer side. These dunnage compartments shall be waterproof with drains and be of equal length and width. These compartments shall be 17 ½" deep.

### Ladder Rack:

A Zico Quick Lift drop down ladder rack shall be installed above the three-quarter high rescue style compartments on the driver's side. The electric control shall be mounted on the pump panel. The mounted ladder racks shall not protrude past the height of the body.

### Ground ladders:

The following ground ladders shall be provided with the apparatus. The ground ladders shall be manufactured by Duo-Safety.

- One (1) 28' two section extension ladder
- One (1) 16' roof ladder
- One (1) 10' folding ladder

### NY Hook Storage:

NY Hook storage shall be provided either through the body from the rear, or in the hose bed for the following:

- 6' NY Hook
- 8' NY hook with gas shut off
- 10' NY Hook hook with standard end

### SCENE LIGHTS:

The following scene lights shall be provided with the apparatus. All scene lights shall be 12 volt and be operated from switches in the cab and on the pump panel.

- One (1) 72" brow light with integrated DOT lights shall be provided and mounted on the top front, middle of the cab.
- Two (2) scene lights shall be provided and installed, one (1) on both sides of the cab on the high side in between the front and rear door. This shall be a Whelen 900 EZ scene light or equivalent.
- Four (4) scene lights shall be provided and installed, two (2) on both sides of the body on the high side, as far forward and rearward as possible. This shall be a Whelen 900 EZ scene light or equivalent.
- Two (2) scene lights shall be provided and installed on the rear of the apparatus, one (1) outboard on both sides and shall be of equal height. This shall be a Whelen 900 EZ scene light or equivalent.

## EMERGENCY WARNING EQUIPMENT:

The following emergency lights shall be in addition to requirements set fourth by NFPA 1901 lighting specifications.

- One (1) Whelen Freedom IV LED 72" light bar with 8 additional LED's shall be provided. The light bar shall have all clear lens, LED light colors will be finalized at pre-construction
- Two (2) Whelen M6R LED flashers (with red lenses) shall be mounted to the front bumper, inboard of the dock bumpers.
- Four (4) Whelen M6 LED flashers shall be mounted on the cab. Two (2) mounted above the front wheels on both sides of cab (M6A with amber lenses); two (2) mounted rear high side of cab both sides of cab (M6R with red lenses).
- Four (4) Whelen M6R LED flashers (with red lenses) shall be provided and mounted two (2) per side of the apparatus. One shall be recessed/pocket mounted in each side of the front bumper, and the other mounted as far to the rear as possible, as low as possible.
- There shall be two (2) Whelen M6V2RC Warning/Scene combination lights. These shall be mounted above each rear wheel well.
- Four (4) Whelen TIR6 LED flashers shall be provided and mounted to the rear of the apparatus as high as possible (two per side). The left lower flasher shall be amber (TIR6A) and the rest shall be red (TIR6R).
- Four (4) Whelen LINZ6R LED flashers shall be provided and mounted. Two (2) will be mounted to both sides as far rearward and as high as possible on the body.
  
- One (1) rear mounted LED arrow stick shall be provided. The location of the arrow stick shall be determined at the pre-construction meeting. This can be done with a stick, or with multiple amber LED flashers that will accomplish the same outcome. The control box shall be mounted in the headliner in the cab. Exact location shall be determined at pre-construction.
- The apparatus shall have headlight flashers.
- A Powercall UDX-7 siren shall be installed in the headliner of the cab.
- One (1) Federal Signal Q2B siren shall be supplied with the apparatus as explained earlier.
- A Grover Stutter-tone air horn shall be provided and recessed into the bumper and activated as explained earlier.

**NON-COLLUSION AFFIDAVIT**

STATE OF \_\_\_\_\_

SS:

COUNTY OF \_\_\_\_\_

\_\_\_\_\_, being first and duly sworn,

deposes and says he is \_\_\_\_\_  
(sole owner, partner, president, sec., etc.)

of \_\_\_\_\_, the party making the foregoing proposal or bid; that such bid is genuine and not collusive of sham; that said bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other person shall refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, of to secure any advantage against \_\_\_\_\_ or person or persons interested in the proposed contract; and that all statements contained in said proposal or bid are true; and further, that such bidder has not, directly or indirectly, submitted this bid, or the contents thereof, or divulged information or data relative thereto any association or to any member of agent thereof.

\_\_\_\_\_  
Affiant

Sworn to and subscribed before me this \_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Notary Public in and for  
\_\_\_\_\_ County, Ohio

My commission expires:

\_\_\_\_\_

## EXPERIENCE STATEMENT

The Bidder is required to state in detail in the space provided below, what work he/she has done of a character similar to that included in the proposed contract, to give references and such other detailed information as will enable the Owner to judge of his/her responsibility, experience, skill and financial standing. Among other things, this statement shall include the following:

A record of similar work performed and evidence to the effect:

- (1) That the Bidder maintains a permanent place of business;
- (2) Has adequate facilities and equipment available for the work under the proposed contract.
- (3) That the Bidder has suitable financial means to meet obligations incidental to the work;
- (4) That the Bidder has appropriate technical experience and possesses sufficient skill and experience.

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## CONTRACT

**THIS AGREEMENT**, made this \_\_\_\_\_, with the Deerfield Township Trustees, 4900 Parkway Dr. Suite 150 Mason, Ohio 45040, hereinafter called Owner and \_\_\_\_\_ doing business as a corporation hereinafter called Manufacturer.

**WITNESSETH;** that for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Owner, the Manufacturer hereby agrees with the Owner to commence and complete the project described as follows:

### **Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase**

Hereinafter called the project, for the sum of \_\_\_\_\_ and all work in connection therewith, under the terms as stated in the conditions of the Contract; and at its own cost and expense furnish all the materials, supplied, machinery, equipment, tools, labor insurance, and other, accessories and services necessary to complete the said project in accordance with the conditions and prices stated in the Proposal, Conditions of the Contract, the Specifications and Contract Documents. Contract Documents means and includes the following:

- A) Legal AD
- B) Bid Opening Information
- C) General Specifications
- D) Non-Collusion Affidavit
- E) Experience Statement
- F) Contract
- G) Certificate of Law Director and Fiscal Officer
- H) Bidder Information
- I) Bid Proposal

The MANUFACTURER hereby agrees to commence work under this contract on or before a date to be specified in a Written Notice to Proceed of the OWNER and to have the project completed and functioning within 120 consecutive calendar days after the date of the Notice to Proceed.

The Manufacturer also agrees to pay as liquidated damages, the sum of \$1000 per day until delivery is complete and acceptable as outlined in the General Specifications.

This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The nonperforming party shall have fifteen calendar days from the date of the termination notice to cure or to submit a plan for cure acceptable to the other party.

OWNER may terminate or suspend performance of this Agreement for OWNER'S convenience upon written notice to MANUFACTURER. MANUFACTURER shall terminate or suspend performance of the services/work on a schedule acceptable to OWNER.

The MANUFACTURER will indemnify and save the OWNER, their officers and employees, harmless from loss, expenses, costs, reasonable attorneys fees, litigation expenses, suits at law or in equity, causes of action, actions, damages, and obligations arising from (a) negligent, reckless or willful and wanton acts, errors or omissions by MANUFACTURER, its agents, employees, licensees, consultants or subconsultants; (b) the failure of the MANUFACTURER, its agents, employees, licensees, consultants or subconsultants to observe the applicable standard of care providing services pursuant to this agreement; (c) the intentional misconduct of the MANUFACTURER, its agents, employees, licensees, consultants or subconsultants that result in injury to persons or damage to property for which the OWNER may be held legally liable.

The MANUFACTURER does hereby agree to indemnify and hold the OWNER harmless for any and all sums for which the OWNER may be required to pay or for which the OWNER may be held responsible for failure of the MANUFACTURER or any subcontractor to pay the prevailing wage upon this project.

Manufacturer shall bind every subcontractor to, and every subcontractor must agree to be bound by the terms of, this Agreement, as far as applicable to the subcontractor's work particularly pertaining to Prevailing Wages and EEO requirements. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and Owner, nor create any obligations on the part of the Owner to pay or see to the payment of any sums to any subcontractor.

**IN WITNESS WHEREOF**, the parties hereto have executed, or caused to be executed by their duly authorized officials, this agreement in two counterparts, each of which shall be deemed an original on the date first above written.

**THE BOARD OF TOWNSHIP TRUSTEES  
DEERFIELD TOWNSHIP, OHIO**

By: \_\_\_\_\_  
Eric Reiners, Administrator

Date: \_\_\_\_\_

**Manufacturer:**

\_\_\_\_\_  
Name / Title

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address

Sign\_\_\_\_\_

Date\_\_\_\_\_

# CERTIFICATION OF LAW DIRECTOR

This is to certify that I have examined these Contract Documents, for the Improvement of:

## Deerfield Township Fire Rescue 2026 Engine/Pumper Purchase

Including the Information and Instruction to Bidders, the General Conditions and Specifications, Proposal, Contract, Insurance Certificates, and the signatures affixed thereto, and that, to the best of my knowledge and belief, they constitute a valid and legal contract and are in proper legal form.

\_\_\_\_\_  
Township Attorney

\_\_\_\_\_  
Date

# CERTIFICATION OF FISCAL OFFICER

This is to certify that the amounts required to meet the obligations of this Contract has been lawfully approved for the purpose of same and is in the treasury of Deerfield Township, Ohio, or is in the process of collection to the credit of the appropriate fund and is free from any prior encumbrances.

\_\_\_\_\_  
Fiscal Officer

\_\_\_\_\_  
Date

**CERTIFICATE OF COMPLIANCE  
WITH THE EMPLOYMENT PROVISIONS OF THE  
FEDERAL IMMIGRATION AND NATIONALITY ACT AS A REQUIREMENT  
FOR DOING BUSINESS WITH DEERFIELD TOWNSHIP**

**DEERFIELD REQUIREMENTS**

The Trustees of Deerfield Township adopted a resolution on April 17, 2007 requiring that the Township include in all requests for proposal a requirement that any prospective contractor seeking to do business with the Township must certify their compliance with the employment provisions of the Immigration and Nationality Act ("INA"). The INA governs the treatment of aliens in the United States. Under the INA it is unlawful for any person or entity to hire or recruit an alien knowing the alien is unauthorized to work in the United States. Further, it is unlawful under the INA to hire an individual for employment in the United States without complying with employment verification requirements and such requirements include examination of identity documents completion of an I-9 Form for every employee hired. Bids lacking an executed original of this form will not be considered.

**CERTIFICATION OF CONTRACTOR**

Contractor or (name of company) \_\_\_\_\_ by its (title of officer) \_\_\_\_\_ certifies that it has not been convicted of or plead guilty to a violation of the Immigration and Nationality Act where said violation took place in Warren County, Ohio or any adjacent county within four years of the date of the certificate; that it shall comply fully with all terms of the Federal Immigration and Nationality Act during performance of the contract and require its subcontractor(s) to do the same, including, but not limited to, requiring all employees to provide identity documentation and complete an I-9 Form. Contractor acknowledges that if it or any of its subcontractors violate the employment provision of the Immigration and Nationality Act the contract may be terminated by the Township.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Company/Corporation

\_\_\_\_\_  
Date of Certification

## **BIDDER INFORMATION SHEET**

**ATTENTION BIDDER:** Please fill out this form and submit with your bid.  
(Please Print)

**COMPANY NAME:** \_\_\_\_\_

**CHIEF EXECUTIVE OFFICER:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**PHONE NUMBER:** \_\_\_\_\_

**FAX NUMBER:** \_\_\_\_\_

**PROJECT CONTACT PERSON:** \_\_\_\_\_

**PHONE NUMBER:** \_\_\_\_\_



**DEERFIELD TOWNSHIP FIRE RESCUE**  
**2026 Engine/Pumper Purchase**

**THE FOLLOWING PROPOSAL IS HEREBY MADE TO:**

**DEERFIELD TOWNSHIP**  
**4900 PARKWAY DRIVE SUITE 150**  
**MASON, OHIO 45040**

**STIPULATED AMOUNT:** The Undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools and services required for the **DEERFIELD TOWNSHIP FIRE RESCUE 2026 Engine/Pumper Purchase** for Deerfield Township, in accordance with the Plans, Specifications, and all Contract Documents prepared by Deerfield Township and in accordance with the unit prices bid in the proposal.

**KNOWLEDGE OF CONDITIONS AND CONTRACT DOCUMENTS:** The Undersigned has examined the proposed Specifications and all Contract Documents and understands the condition of the work to be performed.

**CONTRACT TIME AND LIQUIDATED DAMAGES:** The Undersigned hereby acknowledges the time to complete the Contract and the subsequent damages thereof in accordance with all Contract Documents.

**Owner's Right Reserved:** The Undersigned understands that the Owner reserves the right to award or reject a Proposal in accordance to the Contract Documents.

**PROPOSAL:** On bid tab sheet(s) as attached hereto.

**THE ABOVE PROPOSAL IS HEREBY RESPECTFULLY SUBMITTED BY:**

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**Contractor**

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<b>BY: Name (Print)</b>	<b>Title</b>
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<b>Signature</b>	<b>Date</b>
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**Business Address**

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<b>City</b>	<b>State</b>	<b>Zip Code</b>
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