

FSA20-VEF14.02 Fire Rescue Vehicles & Other Equipment

SPECIFICATION GROUP 7: PUMPER LEVEL 1 CUSTOM - MEDIUM 4 DOOR

FSA AWARDED VENDOR: TEN 8 FIRE EQUIPMENT INC. (EFFECTIVE 1/4/2021, COMPANY NAME CHANGED TO TEN-8 FIRE & SAFETY, LLC.)

FSA Bid Item #	MANUFACTURER	CHASSIS MAKE / MODEL	LADDER TYPE	ADJUSTED FSA CONTRACT AWARD PRICE (EFFECTIVE 8/1/2021)*	% Discount Off MSRP	BUILD SHEET
103	Pierce Manufacturing Inc.	Saber	N/A	\$ 397,252	6%	Build Sheet
104	Pierce Manufacturing Inc.	Enforcer	N/A	\$ 413,505	6%	Build Sheet
105	Pierce Manufacturing Inc.	Impel	N/A	\$ 442,256	6%	Build Sheet

* Price Adjustments Authorized Pursuant To FSA Contract Terms & Conditions, Sections 3.04 & 3.06.

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION,
& FLORIDA ASSOCIATION OF COUNTIES
FSA 20-VEF14.02 FIRE RESCUE VEHICLES & OTHER EQUIPMENT

SPECIFICATION #7 – PUMPER - LEVEL I CUSTOM MEDIUM 4 DOOR CUSTOM CHASSIS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: All bids shall meet the manufacturer's base vehicle standard equipment and the minimum specifications of the base vehicle bid.

In all areas of this specification, bidders must comply with currently established NFPA 1901 (current edition), FMVSS (applicable areas), and NHTSA standards. When requested by the purchaser, vendors must submit detailed specifications for the item and options offered.

The purchaser will contract directly and individually with the vendor of their choice for any and all vehicles offered on this contract and any options required to meet their individual needs. Purchasers shall choose from options furnished to them by the vendor in accordance with the FSA Contract Terms and Conditions.

Vehicle delivery shall be accomplished by manufacturer or vendor delivery to a purchaser's designated location as specified in the FSA Contract Terms and Conditions. Purchasers may reserve the right to pick up vehicles from the manufacturer or the vendor.

Bidders are advised that the Bid Bond and Performance Bond documentation required under FSA Contract Terms and Conditions is required with the bid submission. A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the purchaser upon award of this bid and at the request of a purchaser.

Vendors must provide warranty information to purchasers that meet the terms and conditions of the contract and any additional warranties provided in this specification bid document.

The manufacturer or vendor for vehicles under this specification group:

- A. Shall carry not less than fifteen million dollars (\$15,000,000) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- B. Shall employ full-time parts personnel with toll-free access number.
- C. Shall employ a full-time electrical troubleshooter with toll-free access number.
- D. Shall employ a full-time warranty representative with toll-free access number.

1. DOCUMENTATION

- a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure in submitted specifications. Vendor must specify single or dual axle.
- b. Approval of drawings provided prior to construction commencement
- c. Two (2) sets of operator and service manuals
- d. Delivery to be F.O.B. customer's location
- e. Pump test certification by independent third party
- f. Water tank capacity certification
- g. 12 volt and, if applicable, 110 volt testing by independent third party
- h. Vehicle weight, as measured by certified scales

2. CHASSIS

- a. 110,000 psi heat treated steel frame rail system
- b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield
- c. Tow hooks or eyes front and rear attached to the frame
- d. Minimum front and rear axle, suspension, tubeless radial tires, steel disc wheels to meet the designed apparatus GVWR including NFPA loose equipment allowance.
- e. Front and rear mud flaps
- f. NFPA 1901 top speed rating requirement
- g. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters
- h. Manufacturer's standard compressor
- i. Minimum 4200 cubic inch air reservoir capacity
- j. Air dryer, color coded air lines, turn drain valves on reservoirs
- k. ABS brakes
- l. Power steering with tilt/telescopic wheel
- m. Vehicle data recorder (VDR) in compliance with NFPA 1901 Chapter 4.11 with required software meeting 4.11.8
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2
- p. Tire pressure monitoring system with NFPA 1901 Chapter 4.13.4

3. POWERTRAIN

- a. Minimum 350 horsepower turbocharged diesel engine emergency vehicle service rated
- b. Engine exhaust at front of right rear wheels
- c. Secondary engine braking
- d. Engine manufacturer's statement of engine installation approval with approved cooling system
- e. Drivelines to meet engine torque rating
- f. Silicone coolant hoses with constant torque clamps

- g. Automatic transmission emergency vehicle service rated
- h. 50 gallon minimum fuel tank
- i. OEM oil, fuel, transmission filters

4. CAB

- a. Manufacturer's standard medium length tilt aluminum cab meeting NFPA 1901
- b. Seating for four, three in SCBA seats with SCBA brackets
- c. Air ride driver seat, all others fixed position
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14
- e. Electric over hydraulic cab tilt with manual back-up
- f. Single tone cab paint finish with 10 year paint warranty pro-rated
- g. Air conditioning and heating
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections
- i. DOT compliant headlights
- j. Forward facing turn and warning lights
- k. Cornering turn and warning lights
- l. Minimum four (4) dome lights with red and clear bulbs
- m. Minimum four (4) under cab step lights
- n. Cab and compartment door ajar light and buzzer
- o. One (1) engine compartment light
- p. Color coded and function coded wiring
- q. Alternator sized according to amp draw report
- r. Minimum four (4) 750 CCA batteries
- s. Load manager with automatic high idle function
- t. Dual air horns with dual in-cab controls

5. LIGHTS AND SIRENS

- a. NFPA compliant upper and lower level warning light package
- b. Electronic 100 watt siren, minimum
- c. 100 watt siren speaker, minimum
- d. Two rear deck lights
- e. All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED.

6. BODY

- a. Bidders to bid on each of their offered construction types:
 - Extruded aluminum
 - Formed aluminum
 - Formed galvanized steel
 - Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction
- c. Minimum of 3 compartments driver side of body, full height compartments (2 shelves per compartment)
- d. Minimum of 2 low side compartments right side of body (1 shelf per compartment)
- e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5
- f. One (1) full height, full depth compartment rear of body (1 shelf per compartment)
- g. Back up alarm
- h. Right side brackets for 24' 2-section, 14' roof, 10' attic ladders and 2 pike poles, ladders to be included

- i. Hose bed with hose restraints to be NFPA compliant; including one (1) adjustable divider
- j. Steps and handrails for climbing from ground to hose bed – bidders to state exact design
- k. Lights at each step
- l. Stop/turn/back up lights
- m. DOT clearance and marker lights
- n. License plate light
- o. Two (2) rear deck lights
- p. Rub rail along each side of body and rear of body
- q. No less than four Self-Contained Breathing Apparatus (SCBA) Bottle Storage compartments
- r. Running boards at each pump panel
- s. Brushed stainless steel or black non-glare aluminum pump panels
- t. Hose bed lighting must be provided per NFPA 1901 Chapter 13.10.2
- u. Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901

7. PUMP

- a. 1250 gpm drive shaft pump per NFPA 1901
- b. One 3" deck gun discharge
- c. Four 2.5" discharge outlets (includes one (1) rear 2-1/2" discharge)
- d. One 2.5" suction inlet on left pump panel
- e. Two 6" steamer inlets with caps
- f. Discharge relief valve or electronic pressure governor.
- g. inlet pressure relief valves
- h. Two 1.5" crosslays with 2" piping
- i. One 3" tank to pump line
- j. One 1.5" tank fill line
- k. 30 degrees turn downs
- l. Anti-vibration gauges
- m. Color coded pump panel tags
- n. Stainless steel plumbing with 10-year warranty
- o. Side mount pump panel with all pump controls, instruments, and gauges located on the drivers side pump panel (not in a compartment)
- p. 15 ft. of soft suction hose sized for capacity of fire pump

8. WATER TANK

- a. 750-gallon T-type tank poly.
- b. NFPA compliant fill tower

9. COMPARTMENTS

- a. Manufacturer will submit cubic feet and size of compartments with bid.

10. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone (excludes stainless steel not painted)
- b. Wheels painted to match the cab and body
- c. NFPA 1901 required reflective striping.

11. WARRANTY

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items
- b. 10 year cab and body structural
- c. 10 year paint pro-rated
- d. 5 year corrosion perforation on cab and body
- e. Lifetime frame
- f. 2 year axle
- g. 5 year engine
- h. 5 year transmission
- i. 5 year fire pump warranty
- j. Lifetime booster tank