



# Fairbanks Fire Department

1101 Cushman Street, Fairbanks, AK. 99701-4620  
(907) 450-6600 Fax (907) 450-6666  
fire@ci.fairbanks.ak.us



**Jim Styers, Fire Chief**

---

## **ITB-19-03** **100' Aerial Quint Fire Apparatus**

### **ADDENDUM #1**

#### ***Response to Questions and Clarifications:***

- 1. #1. 1. NFPA General Requirements – F. Arctic Engineering - #1. – Documentation for all arctic grade components must be provided.... Spartan installs the highest quality components and fluid as per the components manufacturer's recommendation and we can supply documentation of the manufacturer's recommendation, will this comply with the documentation request?**

Reply: This section regards proof that all specified arctic grade components (airlines, brake lines, fuel lines, coolant/heater hoses, belts, etc.) are rated to the required specification. The bidder must provide literature for the specific required components showing they meet the temperature rating. For example; produce documentation that the provided airlines are rated to -50F. If no such literature exists, the bidder must be willing to warranty those parts. This has been produced by bidders in the past for the majority of components from suppliers.

The manufacturers recommendation referenced in the question seems to apply to fluids such as power steering, coolant, oil, etc. For these items the manufacturers recommendation will be supplied as required and be sufficient. We will trust that the fluids actually installed meet the recommendations of the manufacturer and the specification.

- 2. 2.6 Breathing Apparatus: - B. – All Five (5) of the SCBA's shall be mounted in Bostrom seats.... The Driver's seat is later specified with a high back seat style. Is it acceptable for only four (4) seats to have the SCBA's mounted in them?**

Reply: This was a typographical error in the specification. The 4 seats (Captain and 3 x FF) are required to be the specified SCBA seats. The driver seat is to be the high back style seat with no SCBA installed.

- 3. 3.3 Cooling System: - G. – An oil cooler shall be incorporated as specified. Is this referring to the transmission oil cooler or another desired oil cooler?**

Reply: This is referring to the transmission oil cooler typically integrated into the main radiator.

4. **3.4 Cold Weather Package: - N. Hydraulic Fluid Heaters - #1. – It is stated that the heaters shall be controlled via a labeled switch in the driver’s area, however later in the specification (Page #72) it is stated that the heaters shall be controlled at the pump operator’s panel. Are either location acceptable?**

Reply: We will honor either location as specified, Purchaser prefers the specified hydraulic heaters to be switched on the pump operators panel with the other winterization items.

5. **3.5 Exhaust: - A. & B. – A vertical exhaust is specified...Will the FD consider accepting a horizontal exhaust system?**

Reply: The purchaser requires the vertical exhaust specified. Any manufacturer may take exception and propose an alternative, but your bid may be ruled non-responsive in that area. All areas where exceptions are taken that do not exceed the intent of the specification may count against the bidder when scoring proposals for award.

6. **Cab Interior Layout – Due to the roof trench, the Spartan provided air conditioning unit must be provided on the engine tunnel, therefore the desired engine tunnel storage & map box won’t be exactly as requested but a custom designed solution will be provided with the final design being approved at the pre-construction conference.**

Reply: If design and construction features of the cab prohibit the storage cabinets as specified an exception may be taken and an alternative proposed. As long as the final design is approved by the purchaser and the cost is included in the bid price, variances will be considered and allowed.

- 6b. **Also, due to the roof trench, the rear wall center seating location must be relocated to behind the driver’s seat, therefore the EMS cabinet specified behind the driver’s seat would be relocated to the rear wall centered between the two (2) outboard forward-facing rear wall seats. Would these cab interior layout alternatives be acceptable to the FD?**

Reply: This reconfiguration may be bid as an exception and would not be considered non-responsive by the purchaser.

7. **Would the FD please provide the dimensions of the two (2) Survivair Water Vacuums, the SuperVac PPV Fan, the two (2) power saws, chainsaw and the rotary saw?**

Reply: Requested dimensions are as follows;

- a. Survivair Water Vacuums: EACH: 24.5”h x 17.5”w x 11.5” deep. Wands are 55” long with removeable heads. Pics available online.
- b. SuperVac AC PPV Fan: 22”h x 22.5” w x 19” deep.
- c. K950 Partner Rotary Saw: 31” long, 15.5” h x 8” deep.
- d. Husqvarna Chainsaw: 33” long, 12” h x 9” deep.

8. **8.1 Fire Pump: A Waterous single stage pump shall be provided and rated to at least 2,000 GPM. The pump is also specified to have Monarch electric intake valves. However the pump can only be rated to 1,750 GPM with two (2) Monarch valves, if one (1) of the Monarch valves can be deleted, the pump can be rated to the specified 2,000 GPM. Would the FD accept the 1,750 GPM rating with two (2) Monarch valves or delete one (1) Monarch valve and rate the pump to 2,000 GPM?**

Reply: FFD is contacting Waterous for confirmation. We believe the specified configuration is available. FFD currently uses Waterous two stage fire pumps set up with this exact configuration and are rated at 2000 gpm. Based on our research we do not believe the switch to a single stage 2000 gpm pump will affect the availability or flow. The specification requires each of the two 6” intake (steamer) ports to be equipped with the Waterous Monarch intake valve. There is no indication that the specified intake valves on the steamer ports reduce the pump flow rating of 2000 gpm.

Please provide a source for this information so we are able to confirm it and seek clarification. At this time, we remain with the pump configuration as specified. If we find this is not available, we will release a clarification to all bidders as soon as possible.

End of reply.