FIRE ATTACK EQUIPMENT

1. **Preconnect Foam Handlines**
   Provide two valved 0-1-3% 120 gpm balance pressure eductors piped from the main water manifold. Each eductor shall be controlled by a 1.5" bronze body 1/4 turn valve and shall terminate with NSTM hose threads. One educator each shall be piped to each side of the trailer. Each outlet shall be labeled with permanent engraved label.
   "ATTACK CROSSLAY 1" and "ATTACK CROSSLAY 2"
   The eductor valve controls and metering knobs shall be in reach of the operator while standing on the front work platform.
   Each valve shall be color coded to the hosebed labels.

2. **Foam Monitor:**
   Provide a pre-piped 500-gpm foam monitor equipped with a constant gallonage variable pattern 1% -3% Hydro-foam nozzle. A 3" riser and valve riser shall be provided for the gun from the driver's side of the manifold.

3. **Large Capacity Foam Discharge:**
   A TFT UE-350-NJ 350 GPM 150 psi foam eductor shall be provided. The eductor shall be plumbed off the 6" manifold with 3" piping and shall have an Akron 8830 bronze body 1/4 turn valve with chrome handle. The foam concentrate line shall connect directly to the foam tank. A built in check valve in this line shall be provided. The discharge outlet threads shall be 2-1/2" NST male with a cap and chain. This discharge shall have a blue engraved placard that reads " 350 GPM DISCHARGE". The 3" Akron valve shall be painted blue.

4. **Rear Hosebed for 3" Hose:**
   Provide one (1) rear mounted hose bed with a capacity for 300 ft of 3" double jacket fire hose and its nozzle. Turtle Tile modular rubber flooring tiles, black in color, shall be installed in the hose bed to allow air to circulate around the hose in the bed. This bed shall hold the hose used to supply the 500 GPM demountable monitor. An blue engraved placard that reads " PORTABLE MONITOR SUPPLY HOSE. 3" X 300 FT"

5. **Portable Foam Monitor:**
   A light weight demountable TFT XXC-32 Blitz-Fire monitor with a 2.5" NST inlet and a 500 GPM TFT automatic nozzle shall be provided. The nozzle shall have a 100 psi standard setting and a 55 psi emergency setting. The monitor base shall be mounted to the trailer using a TFT Blitz-Fire ground base bracket.

1. **5" Manifold:**
   A 5" manifold shall be provided and shall terminate in a 5" chrome NST adapter. The manifold shall be equipped with two 5" gated storz inlet valves with 5" to 2.5" reducing caps. The caps shall have a 2.5" NSTFS

inlet with a plug and chain. The manifold shall have a 4” liquid filled pressure gauge and (2) .75” brass bleeder valves.

7. Hosebed covers:

A hinged aluminum diamond plate cover with black vinyl sides shall be provided for the cross lay hose beds and the rear hose bed.

A. COMPARTMENTS

1. Top Storage Areas:

A covered storage compartment for storage of the loose equipment shall be provided on top of the tank. Compartment walls shall be integrally welded to foam tank. A gasketed hinged aluminum diamond plate cover with a latch shall be provided.

A 16" x 33" storage compartment for storage of the suction hoses and loose equipment shall be provided on top of the tank. Compartment walls shall be integrally welded to foam tank.

A 16" x 33" rear facing hose bed for storage of approximately 500 of 5” LDH hose shall be provided on top of the tank. Compartment walls shall be integrally welded to foam tank. The rear shall be open to permit the hose to be deployed off the rear of the trailer.

E. PUMP

1. Pump

There shall be a 100 GPM self–priming gasoline driven pump for on loading and off loading the foam concentrate. Pump to be cast iron with foam resistant internal components. Pump is to have an electric start with recoil back-up, fuel tank and battery. A battery box shall be fabricated from ¼” co-polymer polypropylene sheet stock to hose battery. This box shall have a removable cover and shall have 5” x 5” vented side panel. The pump shall be mounted at front on the “A” frame portion of the trailer frame. A plastic isolator shall be installed under pump to eliminate contact of dissimilar metals. Provisions to manually fill the pump initially shall be provided. The key shall be attached to a lanyard on the pump.

Within the battery box there shall be a 120 - 12 volt automatic battery charger wired to an external weatherproof 120 plug. The battery shall supply power to the pump, jacks and electric brakes.

This shall be labeled “FILL TO PRIME”. A yellow warning label shall be placed near the pump starter controls which reads. “DO NOT RUN ENGINE WITH PUMP DRY OR THE PUMP SEAL WILL BE DAMAGED. FILL PRIME PORT PRIOR TO STARTING”.

2. Pump Connections and Piping

The permanently mounted pump shall be capable of pumping foam concentrate from the foam tank, totes, 55 gallon drums or 5 gallon foam pails and supplying it to a remote location such as other foam consuming apparatus.

NOTE: All pipes shall feature easy maintenance and/or replacement using grooved pipe couplings or flexible hoses. All concentrate piping shall be brass, stainless steel, plastic or rubber. All valves to be 2" full flow. All piping will be labeled with arrows showing the direction of flow in the pipe.

Provide one (1) 2" suction pipe from the tank to the pump with a quarter turn tank isolation valve mounted at the tank.

Provide two (2) 1.5" NST inlets on main tank to pump to provide connections for a suction hose on the curb side of the trailer. Provide cap and chain with a tethers for the 1.5" inlets.

Provide (2) 2" piped outlets from pump. One shall be plumbed to a valved 1.5" NST outlet discharging off the street side and shall be furnished with a cap with chain. The second discharge is to serve as a tank refill line from the pump. The pipe is to extend into and towards the tank bottom to limit foam agitation while filling. Each discharge shall have a 2" quarter turn on/off valve capable of convenient and rapid activation from the operator's area.

3. Accessories

Provide the following accessories for use with the foam resupply trailer.

a. Two each approximately 120" inch long PVC 1-1/2" NSTF swivel suction lines with a 40" pick up tube for pumping concentrate from 55 gallon barrels shall be provided. A cam-lock to 1.5NSTM" adapter shall be provided.
b. One (1) each PVC 1.5 foam fill tube approximately 48" long with shut off valve. Inlet connection on fill tubes to be 1 ½" NSTF swivel type.
c. Provide technical manuals, parts manuals, and repair manual for all installed equipment and accessories.