

IT IS AGREED BY THE UNDERSIGNED RESPONDENT THAT THE SIGNING AND DELIVERY OF THIS RESPONSE REPRESENTS THE RESPONDENT'S ACCEPTANCE OF THE TERMS AND CONDITIONS OF THE FOREGOING SPECIFICATIONS AND PROVISIONS, AND IF AWARDED THE CONTRACT BY THIS AGENCY, WILL REPRESENT THE AGREEMENT BETWEEN THE PARTIES.

Sign in ink in the space provided below. UNSIGNED bids will be considered incomplete and will be subject to rejection.

Name of Firm: Southeastern Specialty Vehicles

Signed (in ink): [Signature]
(Signature of Officer of Company)

Title: Regional Sales Manager Date Signed: 11/21/22

Street Address: 911 Martin Creek Rd.

Mailing Address: 911 Martin Creek Rd.

City: Henderson State: NC Zip Code: 27357

Phone Numbers: Phone: 252-908-2501 Fax: N/A

Email Address: frej.doughtridge@ssvsales.com

Trailer Manufacturer: CET

Model Year: 2023 Model Designation: 500 Gallon Attack Foam

Delivery will be made within 180 days of receipt of the purchase order by the Dealer and/or Manufacturer

Unit Bid Price: Unit (Each) \$ 118,744.⁰⁰
Total (2 Units) \$ 237,488.⁰⁰



ACCEPT ONLY THE BEST

**CET 500 Gallons Foam Trailer
For Rowan County, NC
Revised November 15th 2022**

Trailer

Unit is to be installed on a double axels trailer:

- Heavy Duty Steel trailer w/steel floor
- Trailer to be CET Red
- Plate form trailer dimension to be 192" long x 60" between the two fenders
- Rear tandem axles: 14,000 lbs.
- Electric brakes
- 36" cable with 7-Pins trailer plug
- Wheels shall be galvanised steel and rated at 3520 lbs.
- Sealed DOT lights
- 2-5/16" ball attachment
- LED license plate light and bracket on the left (driver) fender.
- Front jack w/7,000 lbs. capacity w/ safety chains w/12,000 lbs. capacity
- Two (2) rear 5 000 lbs. swivel downrigger stabilizers
- Two (2) Steps, one (1) each side, located on the front of each fender

Stripping and lettering

Side, Front and Rear DOT stripping shall be applied on each side of the trailer. DOT stripping will be red and white reflective stripes.

Striping and Lettering shall match the Department's apparatus including 4" White Reflective Lettering with black shadow with 4" lettering saying, "ROWAN COUNTY FIRE RESCUE".

Rear Chevron

6" reflective red & yellow chevron stripes shall be applied on the rear of the foam tank.

Color Coded Arrows

All piping will be labeled with color coded arrows showing the direction of flow in the pipe.

Work Platforms

There shall be an aluminum diamond plate on front A-frame of trailer and under the transfer pump area.

Foam Tank

The water tank shall be constructed of 1/2" thick polypropylene sheet. The material shall be of a certified, high quality, non-corrosive, stress relieved thermos plastic, black in colour with a textured finish, and UV stabilized for maximum protection. The skid type booster tank shall be of a standard configuration and shall be so designed to have complete modular slide in capability. All joints and seams are to be fully nitrogen welded and electronically tested for maximum strength. The unit shall incorporate transverse partitions manufactured for 1/2" polypropylene which shall interlock with a series of longitudinal partitions constructed of 1/2" polypropylene. All swash partitions shall be so designed to allow for maximum water and air flow between compartments and are fully welded to each other as well as to the inside of the tank.

Front and rear walls of the tank shall have a standard built in sight gauge 2" in width, and 70% transparent.

Tank will be baffles in accordance with NFPA bulletin 1906 requirements, latest version.

Fill tower and tank cover

The tank shall be equipped with a fill tower with a 2 vent and manual fill tower cover. The fill tower shall be 25" x 13" rectangular drop-on type cover. The cover shall be fastened to the tower with a tether to prevent loss. The tower shall be located in the right (passenger) rear corner of the tank.

The tank cover shall be constructed of 1/2" thick polypropylene, black in color, UV stabilized.

Tank Capacity

The tank shall have a capacity of 500 U.S. gallons. The tank shall be covered by the *ALL OUT* No-Fault Life Time Warranty.

Sump

There shall be one (1) sump as standard per tank. The sump shall be integral to the tank floor and be a minimum of 1/2" deep recessed into the floor. The sump shall not be visible from or protrude through the bottom of the tank.

1-1/2" Tank Drain

One (1) 1-1/2" tank drain valve shall be installed and finished with 1-1/2" NH-F with a plug and chain. The outlet shall be terminated ahead of the wheels on the right (passenger) side of the trailer.

Tank Mounting Blocks

The cover shall incorporate two (2) mounting blocks that shall be to accommodate two (2) each sliding nut fasteners. These mounting blocks shall be welded at the front of the tank cover.

Skid Base

There shall be a full width skid base manufactured of 3/4" polypropylene welded to the tank.

Mounting

The foam tank shall not be welded or otherwise permanently secured to other components, except the top storage compartments.

6" Water Manifold

All piping shall be stainless steel piping, painted red. The water inlet piping shall consist of a 6" manifold tube. The piping is secured at the rear of the platform of the trailer.

The inlet overboards shall have two (2) 6" NPSH-M to 5" NH-M (NST-M) chrome adaptor, one (1) on each end of the manifold.

The inlet overboards shall have two (2) 5" NH Rocker Female Swivel Thread Gated valve with a 25° Elbow with 5" Storz with 5" Storz chrome cap and chain, one (1) on each end of the manifold.

One (1) 4-1/2" pressure gauge (0-300 psi) shall be tapped into the manifold tube and shall be easily readable from ground.

Two (2) brass drains shall be installed under the manifold.

Remote Jet Ratio Controller with Pickup Assembly Discharge Connection

A matched 1-3% pre-plumbed matched jet-ratio controller shall be mount piped off the 6" water manifold with a 1.5" valve and a chrome cap. The discharge shall have a 2.5" liquid filled 0-300 psi pressure gauge.

Trailer Mounted Monitor

One (1) Akron Apollo Single Inlet Portable and Deck Monitor, 5" Storz Ground Base and Truck mounting flange, model #3416, shall be supplied and installed centered of the water manifold. The monitor shall be supplied with a 5" Storz Ground Baseground base. The ground base shall be secured in the storage compartment.

The monitor shall be provided with handwheel control and manual friction brake operation and be able to travel 360° horizontal and vertical travel from 90° above to 15° below horizontal, with built-in 35° safety stop. The full 3" waterway delivers efficient flows up to 1250 gpm.

One (1) Akron Akrofoam self-educting nozzle, model #4475, designed for educting foam at flow rates up to 1000 gpm shall be provided and installed on the monitor. The nozzle shall have spring loaded baffle that allow flow setting selection of 350, 500, 750 or 1000 gpm with a simple push and turn of the baffle head. The nozzle shall have an adjustable metering head with pick up rates 1% & 3% plus 6% for 350 & 500 gpm and 1% & 3% for 750 & 1000 gpm.

The monitor shall be gated with a 3" Akron fire type quarter turn swing-out valve off the water manifold with 3" stainless steel piping painted red.

Two (2) Pre-connect Poly Cross Lays for 1-3/4" Hoses

Two (2) pre-connect poly cross lays made from polypropylene sheet shall be supplied and installed on top of the rear of the foam tank.

Each cross lay shall be 59" wide x 10" long x 10" high (internal dimensions) and be capable to hold 200' of 1-3/4" jacket fire hoses.

Two (2) 1-1/2" lines shall be piped from the 5" water manifold to cross lays. Each line shall have one (1) 1-1/2" Akron fire type quarter turn swing out valve, one (1) 1-1/2" Akron foam eductor #3125 125 gpm and shall be connected to one (1) cross lay by 1-1/2" high pressure flexible plumbing.

Each cross lay shall have a 1-1/2" NH-M pre-connect 90° swivel elbow.

The cross lays shall have one (1) unique black vinyl snap canvas cover and one (1) unique side nets for all hose tray.

Each area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed and bolted on the floor

One (1) Pre-connect Poly Cross Lay for 2-1/2" Hoses

One (1) pre-connect poly cross lay made from polypropylene sheet shall be supplied and installed ahead of the 1-3/4" cross lays on top of the foam tank.

The cross lay shall be 59" wide x 12" long x 10" high (internal dimensions) and be capable to hold 200' of 2-1/2" jacket fire hoses.

One (1) 2-1/2" line shall be piped from the 5" water manifold to the cross lay. The line shall have one (1) 2-1/2" Akron fire type quarter turn swing out valve, one (1) 2-1/2" Akron foam eductor #3250 250 gpm and shall be connected to the cross lay by 2-1/2" high pressure flexible plumbing.

The cross lay shall have a 2-1/2" NH-M pre-connect 90° swivel elbow.

The cross lays shall have one (1) unique black vinyl snap canvas cover and one (1) unique side nets for all hose tray.

Each area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed and bolted on the floor

One (1) Dry Poly Cross Lay for 5" LDP Hoses

One (1) Dry poly cross lay made from polypropylene sheet shall be supplied and installed ahead of the 2-1/2" cross lays on top of the foam tank.

The cross lay shall be 59" wide x 9" long x 10" high (internal dimensions) and be capable to hold 50' of 5" LDP hose.

The cross lays shall have one (1) unique black vinyl snap canvas cover and one (1) unique side nets for all hose tray.

Each area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed and bolted on the floor

Open Storage Compartment

One (1) open storage compartment made from polypropylene, internal dimensions 57" wide x 25" long x 10" high, for the storage of ten five-gallon foam pails, shall be installed ahead of the Dry poly cross lay and behind Storage compartment on the top of the foam tank. Black Turtle Tiles shall be installed and bolted on the floor

Storage Compartment

One (1) poly storage compartment, internal dimensions 57" wide x 35" long x 16" high, shall be installed ahead of the open storage compartment on the top of the foam tank. The compartment shall have an aluminum diamond plate cover with piano hinged and latch. A weather resistant seal shall be provided on the cover. Black Turtle Tiles to be installed and bolted on the floor

Transfer Pump, 11hp Honda Rotary Gear Gorman Rupp Pump

The pump shall be a CET 11hp Honda rotary gear Gorman pump and shall be permanently mounted on that rear of the trailer. The pump shall be capable of flowing 50 GPM at 50 PSI.

Transfer Pump Engine

The pump shall be driven by a single cylinder, gasoline engine powered, 11 horsepower at 3600 rpm. The engine shall be air cooled, 12-volt electric start and recoil rope starter as a back-up system.

The engine shall be fuel from a 6-quart (6.5 liter) integrated gas tank.

The engine shall have his own battery. The battery shall have a box with battery conditioner and weatherproof shoreline plug receptacle.

Transfer Pump Controls

A control panel shall be the standard Honda control panel supplied and installed on the pump at the front of the trailer.

Stainless Steel Transfer Pump Suction Piping

All piping on the suction side shall be made of stainless steel (welded joints) painted red. The suction piping, the pump and the discharge shall be tested to 400 PSI.

The suction piping shall consist of a 2-1/2" tank to pump line with a 2-1/2" flexible rubber hump hose to minimize flex and vibration between the pump and the tank.

Between the tank and the pump there shall be a 2-1/2" Akron fire type swing-out valve. This valve shall remain open to pump from the tank.

This pipe shall have a tee into the suction side of the pump and shall continue to the rear of the truck for overboard suction where there shall be an additional 2-1/2" Akron fire type swing-out valve.

The overboard suction connection shall have a 2.5" NST male adapter to a 1-1/2" NH-M inlets Chrome adaptor with 1-1/2" NH Chrome cap with retaining cable.

To draft, the tank to pump valve shall be closed, a suction hose connected to the overboard suction connection and placed in a static water supply, and the primer activated.

Stainless Steel Transfer Pump Discharge Manifold

All piping shall be stainless steel piping or high-pressure flexible hose. A 2.5" X 2.5" square stainless-steel manifold shall be piped directly to the discharge outlet of the pump. Attached to this discharge manifold, by means of welded stainless-steel pipe nipples, shall be all the discharge valves. All piping shall be painted red.

There shall be a 1-1/2" valve piped from the transfer pump discharge manifold to the tank fill inlet. The valve shall be an Akron fire type quarter turn swing out valve with a handle and shall be connected to the tank by 1-1/2" high pressure flexible hose.

The shall be a second tank fill isolation 1-1/2" industrial brass valve piped on the tank to tank fill line. That will be use to isolate the tank fill line from the tank.

The discharge shall be designed to refill tank in the most efficient manner without foam agitation.

There shall be one (1) 1-1/2" valve piped from the transfer pump discharge manifold to the rear of the trailer. The valve shall be an Akron fire type quarter turn swing-out valve with 1-1/2" NST threads. The valve shall be furnished with a 1-1/2" NST Chrome cap and chain.

There shall be one (1) 1-1/2" valve piped from the transfer pump discharge manifold to the pre-connected hose tray. The valve shall be an Akron fire type quarter turn swing-out valve with a handle and be connected to the pre-connected hose tray by high-pressure flexible plumbing.

Warning Lights

Mounted on the side wall of the apparatus, Four (4) Whelen M7 series Linear Super LED, two (2) each side, red with clear lens with a chrome flange.

Mounted in the rear of the apparatus, Two (2) Whelen M7 series Linear Super LED, one (1) each side, red with clear lens with a chrome flange.

These lights shall be powered from the vehicle emergency light circuit (on the 7-pin) and with a switch install on the control panel in the pump panel at the front of the trailer

Two (2) Front LED Scene Lights

Two (2) 1,100 lumens TecNiq swivel LED scene flood lights, model #P04-WBFP-1 shall be installed at the front of the foam tank and connected to electrical circuit of the trailer supply by the 7-pin connector and shall be controlled by a a switch in the pump panel at the front of the trailer

Two (2) Rear LED Scene Lights

Two (2) 1,100 lumens TecNiq swivel LED scene flood lights, model #P04-WBFP-1 shall be installed at the rear of the foam tank and connected to electrical circuit of the trailer supply by the 7-pin connector and shall be controlled by a switch in the pump panel at the front of the trailer

Two (2) Wheel Chocks

Two (2) Medium Kochek Wheel Chocks with storage brackets shall be provided and mounted on driver's side fender.

Shipped loose equipments

- Two (2) 1-1/2" clear PVC suction hose, 120" inch long with 1-1/2" NST end fittings.
- Two each, 18" and a 40" stinger with 90-degree elbow pumping concentrate from 5- and 55-gallon barrels shall be provided. This stinger shall be #80 PVC pipe. The elbow shall have a 1-1/2" NSTF connection and a 1-1/2" ball valve to control the flow of foam at the stinger.
- Two (2) each PVC 1.5 foam fill tube approximately 48" long with shut off valve. Inlet connection on fill tubes to be 1 1/2" NSTF swivel type.
- Two (2) foam pail wrenches
- One (1) Set-Triple Holder (1) K05 Hydrant Wrench & (2) K01 Spanner Wrenches
- Two (2) 120 gpm low expansion nozzle with NST connection and ball valve. Nozzle to be Harrington model HHFN-S4-15NH.
- Two (2) 120 gpm medium expansion nozzle with NST connection and ball valve. Nozzle to be Harrington model HMFN-M4-15NH.
- Eight (8) 50-foot lengths of Mercedes Textiles Kraken EXO Permatek Color treated 1-3/4" fire hose with 1-1/2" NH couplings.
- Two (2) 50-foot length of Mercedes Textiles MegaFlow Breather DJ 5" LDH hose with Storz couplings.
- Eight (8) 50-foot lengths of Mercedes Textiles Kraken EXO Permatek Color treated 2-1/2" fire hose with 2-1/2" NH couplings or equivalent.
- One (1) operational and technical manuals for all equipment and accessories provided.

Testing

The trailer and all products shall be tested after all its associated piping and equipment have been installed. The tests shall be conducted at the manufacturer's approved facility.

General Warranty

CET warrants to the original purchaser that CET will, at its election, either replace or repair any part of the new equipment sold to the purchaser hereunder which has been given no abnormal use; and which has received proper maintenance; and which is determined by CET to be defective in material or workmanship; and which has, within one (1) year after delivery to the purchaser be returned at the purchaser's expense, with transportation charges prepaid, to CET factory OR which has, within one (1) year after delivery to the purchaser, been pre-approved by CET for a third-party to perform the work. All problems shall be reported to CET in writing and damaged parts shall be returned to CET.

Exclusions from warranty:

1. CET incurs no liability under this warranty or otherwise for parts, accessories or components not manufactured by it, but purchased for assembly into the equipment, but CET will assign to the Purchaser whatever warranty rights are extended by the supplier of such part, accessory or component
2. CET incurs no liability under this warranty or otherwise, for equipment which has been abused, altered or improperly maintained, or for equipment which has been returned for inspection or repair more than ten (10) days after defect complained of has been or should have been discovered by the Purchaser, or Equipment which is operated after the defect has been discovered.
3. CET incurs no liability for alteration or repairs unless the Purchaser first receives CET / written consent or approval. CET will not be responsible for work or repairs made or done by others.
4. CET incurs no liability for design alterations, parts, accessories or components which are not standard but are specified by the Purchaser for incorporation into the equipment.

Interpretation

CET shall not be liable for transportation charges either in shipment to or by it and shall not be liable for loss of use, or consequential damage of any kind in connection with the sales, alteration, repair or replacement of any equipment or part thereof. Liability under this warranty shall be limited to replacement or repair and in any event shall not exceed the purchase price paid. This warranty is not transferable by the Purchaser. CET reserves the right to make changes in design or add any improvements to the Equipment at any time without incurring any obligation to install or modify same on other equipment previously supplied.

There are no other warranties, conditions or representations, expressed or implied, except the above.

CET Water/Foam Tank Warranty Limited Lifetime

CET Fire Pumps, Mfg. warrants each CET water and/or foam tank to be from manufacturing defects in material and workmanship for the service life of the original vehicle. Every CET tank shall be thoroughly inspected and tested for leaks before leaving our facility and must be installed in accordance with the CET Fire Pumps, Mfg. installation guidelines.

CET will repair or, at its option, replace the tank with a new tank. CET will cover customary and reasonable costs to remove and install the tank. This warranty will not cover the tanks that have been improperly installed, misused, or abused. The serial number must not have been altered, defaced or removed. CET will not cover any unauthorized third-party repairs or alterations. Any of these actions may void the warranty.

There are no warranties, expressed or implied, which extend beyond the description of the face, hereof. There is no express or implied warranty of merchantability or a warranty of fitness for a particular purpose. Additionally, this warranty is in lieu of all other obligations or liabilities on the part of CET Fire Pumps, Mfg.

This warranty contains the entire warranty. It is the sole warranty and price agreements or representation, whether oral or written, are either merged herein or expressly canceled. CET Fire Pumps, Mfg. neither authorizes any person supposing to act on its behalf to change, nor assume for it, any warranty or liability concerning its product.

In no event will CET Fire Pumps, Mfg. be liable for an amount in excess of the currently published retail price plus installation and removal cost of the tank, for any loss or damage, whether direct or indirect, incidental, consequential, or otherwise arising out of failure of its product.

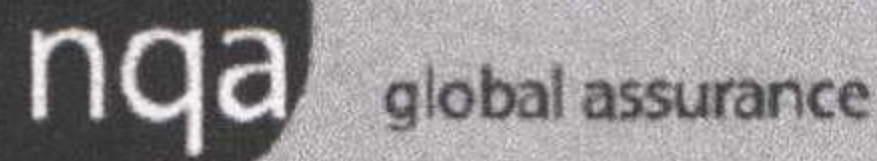
This warranty gives you the specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you. Since some states do not allow limitations on the length of an implied warranty, the above limitation may not apply to you.

The warranty is transferable within the United States and Canada at the discretion of CET Fire Pumps, Mfg. by notifying CET Fire Pumps, Mfg. within thirty (30) days of the vehicle transfer date. At that time, CET will, at its discretion, provide a transfer of ownership form.

Manufacturer's discretion

Materials, parts, or procedures used are subject to change at manufacturer's discretion at any time to provide equal or better products.

Certificate of Registration



This is to certify that the Quality Management System of:

C.E.T. Fire Pumps MFG Limited

75 rue Hector
Pierreville QC J0G 1J0
Canada

(Central function listed above. See appendix for additional locations)

applicable to:

Design and manufacture of fire equipment

has been assessed and approved by
National Quality Assurance, U.S.A., against the provisions of:

ISO 9001:2015

For and on behalf of NQA, USA



Certificate Number: 15849/1
EAC Code: 18
Certified Since: May 11, 2015
Valid Until: May 9, 2024
Reissued: June 4, 2021
Cycle Issued: June 4, 2021

Prior Cycle Exp Date: May 9, 2021

Page 1 of 2

This approval is subject to the company maintaining its system to the required standard, which will be monitored by NQA, USA, 289 Great Road, Suite 105, Acton, MA 01720, an accredited organization under the ANSI National Accreditation Board.



ACCEPT ONLY THE BEST

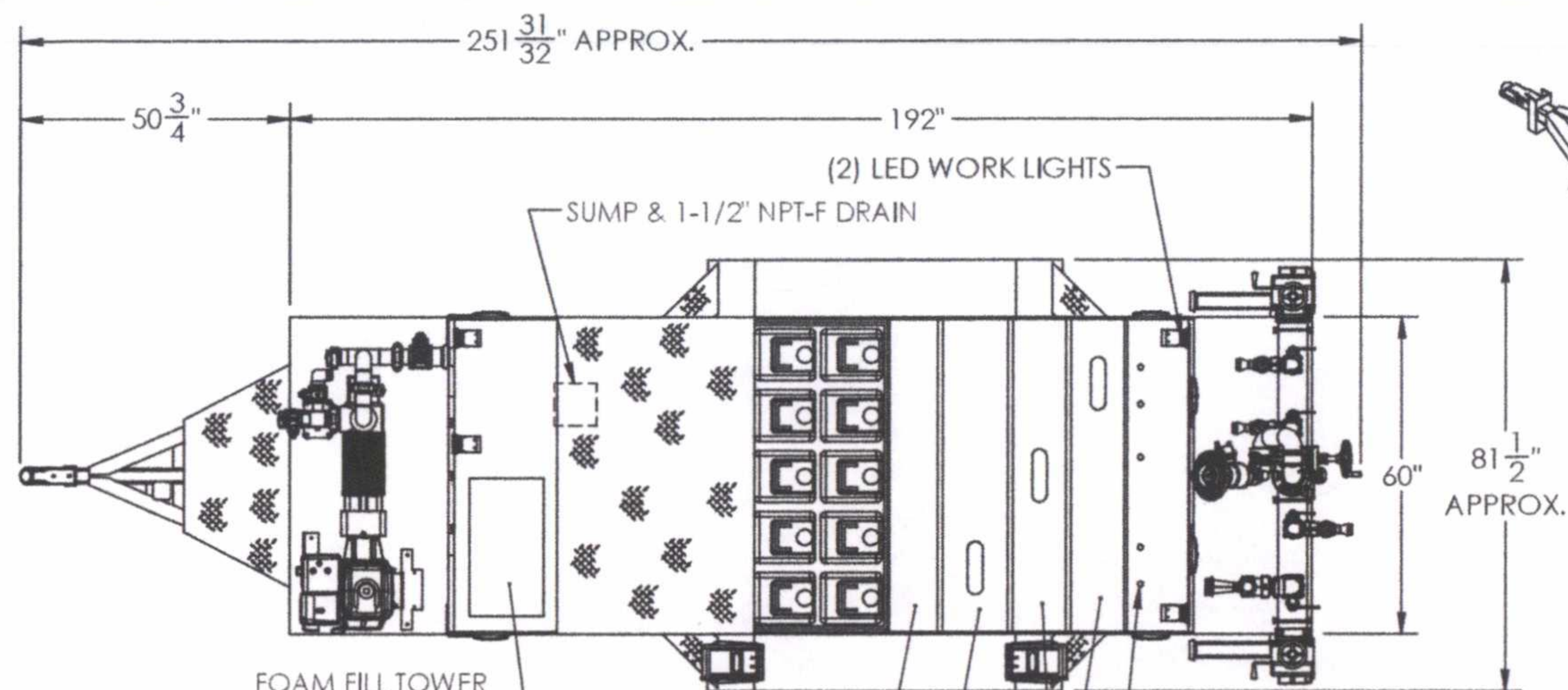
**Trailer Reference List for
For Rowan County, NC**

Revised October 25th 2022

Fire Department	Country	State	Qty
Las Vegas	US	NV	1
Broward Fire Rescue	US	FL	1
Québec	Canada	QC	1
Boston	US	MA	1
Jefferson City	US	MO	1
Cleveland	US	OH	1
Minot	US	ND	1
DynCorp International LLC	US	N/A	1
Fort Smith	US	AR	1
Chimie ParaChem S.E.C	Canada	QC	1
WFR - Wholesale Fire & Rescue Ltd	Canada	AB	1
North Star BlueScope Steel LLC	US	OH	1
Amini Roshandel Group 2x	Foreign	N/A	2
Fort Keyera	Canada	AB	1
Harris Nuclear Plant	US	NC	1
Richmond Airport	Canada	BC	1
Potash Corp Mining	Canada	AB	1
Kevin Garringer Henry County	US	OH	1
Shell Canada	Canada	QC	1
ERAC - Emergency Response Assistance Canada	Canada	N/A	4
Fort Drum	US	NY	1
Vopak - GCM Consultants	Canada	N/A	1
Motion Canada	Canada	BC	1
ERAC - Emergency Response Assistance Canada	Canada	N/A	2
Husky	Canada	AB	1
BGS - Bunker Gear Specialists	US	LA	2
Special Boat Team 22 (SBT-22)	US	CA	1
Langley AFB, Imperial Beach Guns	US	VA	1

Fire Department	Country	State	Qty
Ability With Innovation (AWI)	US	TX	1
Sheppard, TX 82 CES/CER	US	TX	1
Sopfeu - Société De Protection Des Forêts Contre Le Feu	Canada	QC	1
Whitehand Group	Foreign	N/A	1
Formation incendie Bergeron	Canada	QC	1
Vale - K&D Pratt	Canada	NL	1
BGS - Bunker Gear Specialists	US	LA	2
US Air Force	US	CA	1
Alcom Medikal LTD	Foreign	N/A	1
American Ert	US	TN	1
Finley Fire Equipment	US	OH	1
Manitoba Hydro	Canada	MB	3
US Air Force	US	CA	1
US Air Force	US	MD	2
DeForest-Windsor FD	US	WI	1
US Oil Houston Terminal	US	TX	1
TVA Safety & Emergency Training	US	TN	1
Vaudreuil	Canada	QC	1
Nalcor Energy	Canada	NS	1
Lanxess Canada Ltd	Canada	ON	1
Lyondell Basell	US	TX	1
Emnes Energy & Marine SDN BHD	Foreign	N/A	1
East Manatee, FL	US	FL	1
Phillips 66 - Ferndale Refine	US	WA	2
Lackland FD	US	TX	1
City of Mobile	US	AL	1
Dominion Energy	US	VA	1
EMEC	Foreign	N/A	1
NEC Technical Systems Limited	Foreign	N/A	2
Esterhazy Mining	Canada	AB	1
Acushnet Fire	US	ME	1
Westford	US	MA	1
Metropolitan WA Airports, Dulles Int Airport	US	VA	1
US Army	US	N/A	1
Alabama Power Barry Steam Plant	US	AL	1
Lachute	Canada	QC	1
Sapphire Gas Solutions	US	FL	1
EcoPetrol Casa Inglesia	Foreign	N/A	2
Mellissa	US	TX	1
Jefferson Energy	US	TX	1

Fire Department	Country	State	Qty
Tennacor Canada Inc.	Canada	AB	2
US Army	US	FL	1
Mississippi Board of Animal Health	US	MS	1
		Total	85



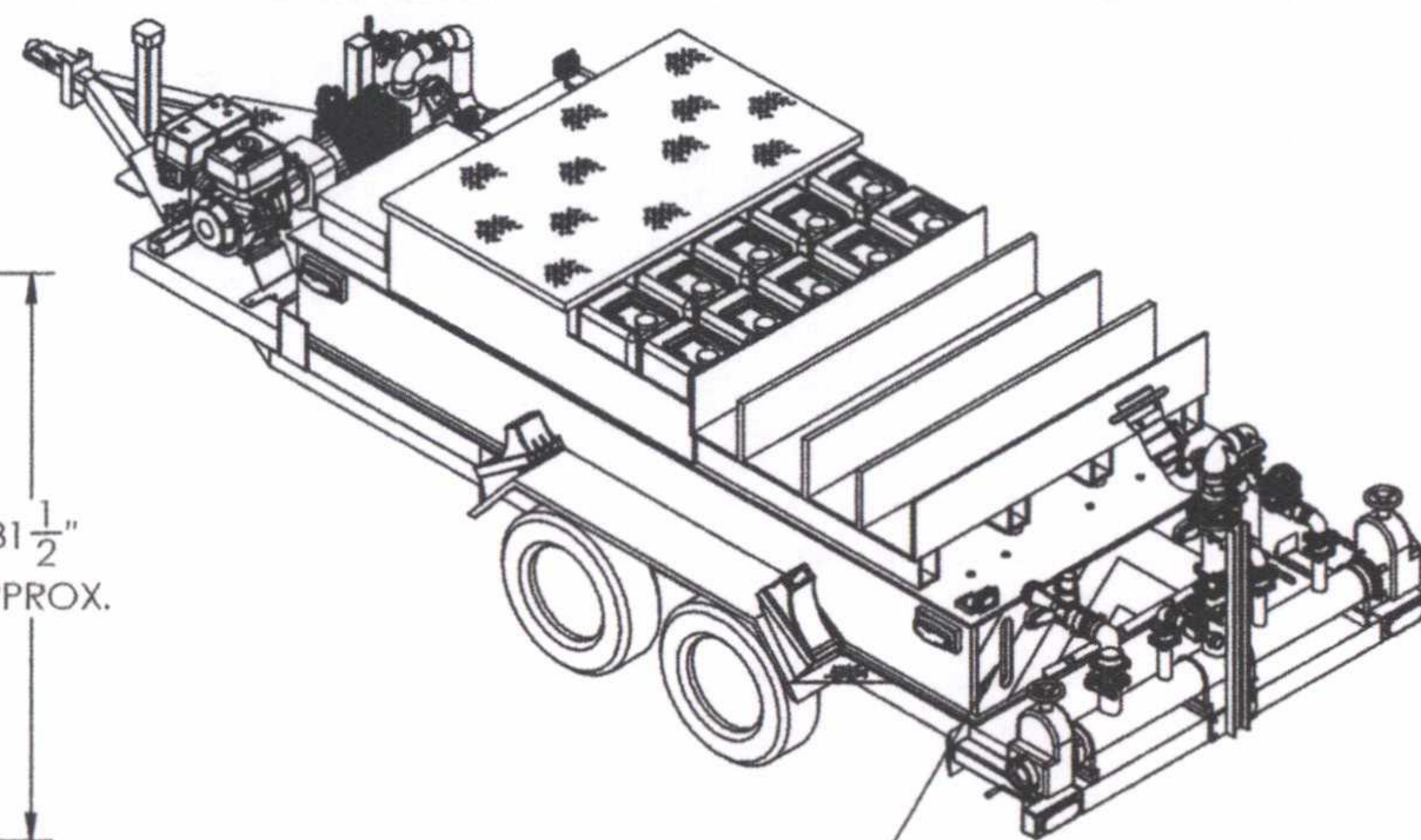
FOAM FILL TOWER
25" x 13" x 7"H

POLY DRY HOSE TRAY
INT. DIMENSIONS: 59" x 9" x 10"H
HOSE CAPACITY: 100' x 5"
W/ CANVAS (NOT SHOWN)

POLY PRE-CONNECT HOSE TRAY
INT. DIMENSIONS: 59" x 12" x 10"H
HOSE CAPACITY: 200' x 2-1/2"
W/ CANVAS (NOT SHOWN)

1" NPT-F
PICK-UP TUBES (5)

(2) POLY PRE-CONNECT HOSE TRAY
INT. DIMENSIONS: 59" x 10" x 10"H (EACH)
HOSE CAPACITY: 250' x 1-1/2" (EACH)
W/ CANVAS (NOT SHOWN)

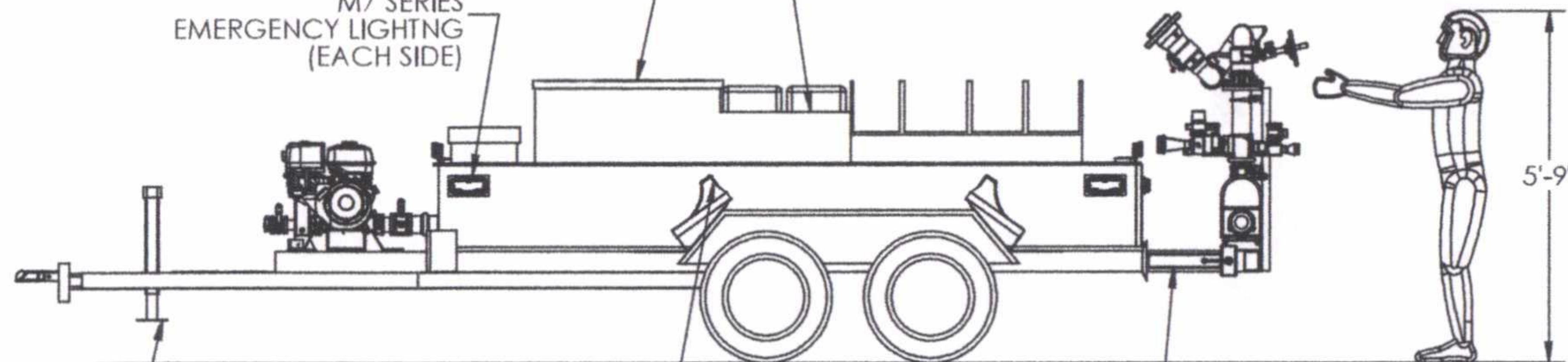


LEVEL GAUGE
(FRONT & REAR)

POLY COMPARTMENT
INT. DIMENSIONS: 57" x 35" x 16"H
W/ ALUMINUM LID

STORAGE COMPARTMENT
INT. DIMENSIONS: 57" x 25" x 10"H
CAPACITY: 10 FOAM PALES
(FOAM PALES NOT INCLUDED)

(2) WHELEN SUPER LED
M7 SERIES
EMERGENCY LIGHTING
(EACH SIDE)



FRONT STABILIZER

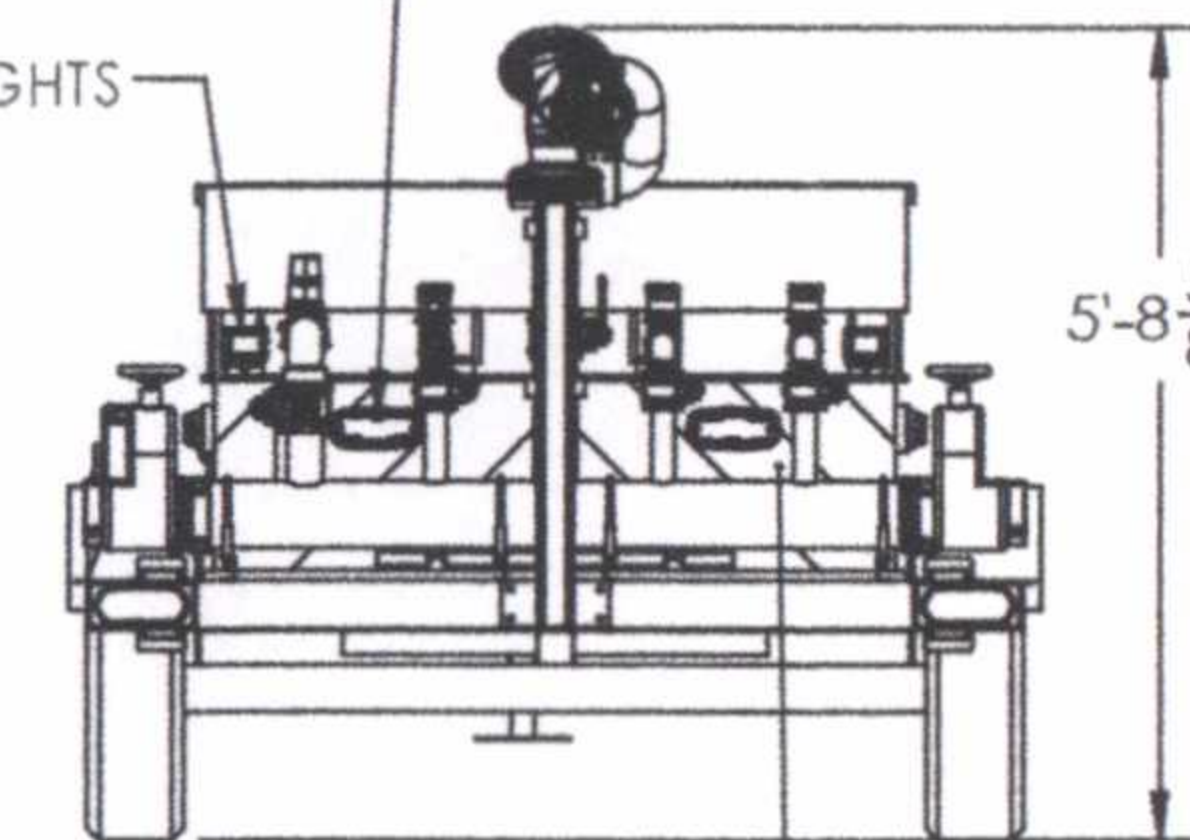
(2) WHEEL CHOCKS

REAR STABILIZER

5'-9"

(2) WHELEN SUPER LED
M7 SERIES
EMERGENCY LIGHTING

(2) LED WORK LIGHTS



5'-8 $\frac{5}{8}$ "

CHEVRON

	CREATED	TITLE :	ROWAN COUNTY, NC	WARNING THIS DOCUMENT REMAINS THE PROPERTY OF C.E.T. FIRE PUMPS MFG. ALL REPRODUCTION WITHOUT WRITTEN AGREEMENT FROM C.E.T. FIRE PUMPS MFG IS TOTALLY PROHIBITED.
	BY: M.V.		500 U.S. GAL. FOAM TRAILER	
	DATE: 2022-10-24			
	VERIFIED	No:	TR-1214-0701	
	BY: M.V.			
	DATE: 2022-10-24			



INVITATION TO BID

FOR

ROWAN COUNTY

**Two (2) 500 Gallon Attack Foam Trailers
2023-007a**

ROWAN COUNTY

130 West Innes Street

Salisbury, NC 28144

704-216-8178

jody.farrow-bennett@rowancountync.gov

Date Issued: Tuesday, November 8, 2022

Date Due: Monday, November 21, 2022, at 3:00 PM ET

Administered By: Jody Farrow-Bennett, Purchasing Director

NOTICE TO BIDDERS

INVITATION TO BID

Two (2) 500 GALLON ATTACK FOAM TRAILERS

Rowan County is re-bidding project #2023-007 and is requesting bids on two (2) mobile 500 Gallon Attack Foam Trailers to be used as firefighting units. All bids submitted must meet or exceed the time frame and the product/service specifications as outlined in this Invitation to Bid (ITP).

Bids for the Rowan County Foam Trailers will be accepted until November 21, 2022, at 3:00 pm ET at the Rowan County Purchasing Department, 130 West Innes Street, Suite 31, Salisbury, North Carolina 28144. Bid documents may be obtained by contacting the Rowan County Purchasing Director or from the County website at:

Rowan County Purchasing Department
Attn: Jody Farrow-Bennett, Purchasing Director
130 West Innes Street, Suite 31
Salisbury, NC 28144
704-216-8178
jody.farrow-bennett@rowancountync.gov
<https://www.rowancountync.gov/675/Purchasing>

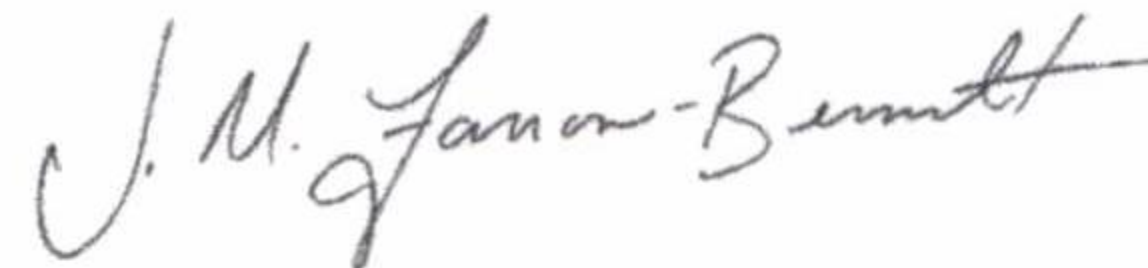
Submission of any bid signifies the Bidder's agreement that their bid and the content thereof, are valid for ninety (90) calendar days following the submission deadline and will become part of the contract that is negotiated between Rowan County and the successful Bidder. All prices submitted with the bid shall remain in effect for the ninety (90) day period.

Once the ITB is public all questions related to the ITB shall be directed to the Purchasing Director. Any contact related to the ITB with County Staff and/or Board of Commissioners will be prohibited and cause for rejection.

Rowan County reserves the right to award and/or reject any and/or all bids and waive any technicalities or irregularities. For complete details, consult the bid package.

This is the 8th day of November 2022.

Rowan County



By: Jody Farrow-Bennett
Director of Purchasing

Intent of Request for Bids

The following specifications are for a mobile foam trailer of 500-gallon capacity with various options and accessories for use as a firefighting unit. The trailers shall be able to proportion Class A and B type concentrates.

The trailers are intended to be towed by a support vehicle to the scene of a fire and/or various types of spills for the purpose of resupplying foam concentrate to fire apparatus and/or proportioning foam for fire attack. A one-person operation shall allow for the proportioning and resupplying of foam concentrate to the operating vehicles at the scene of major incidents.

Product shall be completely brand new and of the best quality materials currently used in commercial practice for emergency vehicle fabrication. Materials that deteriorate when exposed to sunlight; extreme weather or operational conditions shall not be used or shall have a means of protection against such conditions that will not prevent compliance with performance standards. Protective coatings that chip, crack, or scale with age or extremes of climatic conditions or an exposure to heat or cold shall not be used.

The Vendor shall demonstrate that the product offered for these trailers are a proven type of foam resupply trailer of a type that has been manufactured for (and successfully used by) other emergency services. The vendor shall be certified to the ISO 9000:2001 standard. A user list of at least 75 trailers in field use must be submitted. The trailers must be road tested prior to delivery.

The foam resupply trailers offered shall comply with all applicable and Motor Carrier Safety Regulations concerning size, weight, brakes, lights, load rating and balance. Conformance must meet FMVSS # 108, FMVSS #115, FMVSS # 120, and FMVSS # 125 as stated in FCR title 49. The trailers shall comply with the NFPA 1901-chapter 26 Standard on fire department trailers.

Weight shall be distributed equally as practical over the axles and tires of the fully loaded vehicle. Fully loaded units that are unbalanced during stand-alone or while being towed will not be accepted. Tires shall have equal axle or exceed weight rating.

The use of proven nonmetallic materials in lieu of metal is permitted if that use contributes to reduced weight, lower cost or less maintenance and there is no degradation in performance or increase in long term operations and maintenance costs.

The foam resupply trailers must be constructed with lowest possible center of gravity when fully loaded with foam concentrate, tools and the appliances specified herein. Performance must be commensurate with smooth and safe highway and moderate off highway operation. Proper weight and balance configuration is essential.

Instructions For Respondents

This specification establishes standards for the design, construction, and performance of two (2) 500 Gallon Attack Foam Trailers.

Responses will not be accepted after the due date and time stated in the RFP.

Payment shall be made in accordance with these specifications and the Response submitted by the Respondent. Payment will be made upon acceptance of the vehicle(s) and equipment specified in this document.

Responses received shall be evaluated by the County. This evaluation will be based on but not limited to; references and/or manufacturer's experience, completeness of response, exceptions, price, and delivery schedule. Price alone will not be considered the determining factor in selection of the supplier.

Responses taking total exception to these specifications will not be accepted.

Any exception to the provisions in these specifications must be marked in the body of this document and itemized on a separate attached page(s) titled **EXCEPTIONS**. Referenced by section and paragraph, a detailed explanation of the exception shall be provided along with by the respondent's alternative response.

Responses not following this format shall not be considered. **NO EXCEPTIONS TO THIS SECTION.**

The respondent shall indemnify and save the County harmless from any and all claims, liability, losses, and causes of actions which may arise out of the fulfillment of this agreement. The Respondent shall pay all claims and losses of any nature whatsoever in connection therewith, and shall defend all suits, in the name of the County when applicable, and shall pay all costs and judgments which may ensue thereafter.

Failure to deliver any part of the order to the terms required may be considered by the respondent as a breach of contract. In such case the vehicle/equipment may be rejected, and the purchaser shall retain the right to require forfeiture of the full amount of the Performance Bond (if required) as liquidated damages.

Failure to deliver the vehicles as specified in this RFP within 180 days of the receipt of the Purchase Order shall allow the County to invoke a penalty for non-performance. That penalty, in the amount of \$200 per day per unit for every day beyond the 180 days specified, may be wholly or partially enforced at the discretion of the County.

Is this requirement understood and met?

Yes ☒ No ☐ Respondent's initials: JD

When submitting their Response, Respondents must return all pages of these specifications as part of the Response as it will form the Contract between the respondent and the County. Caution should be taken by the Respondent that all questions are answered in the spaces provided and that all information requested is provided.

It is the Respondent's responsibility to be familiar with all federal, state, and local laws, ordinances, codes, and regulations concerning the submission of this RFP and the work it effects. Ignorance of said enactments shall not relieve the Respondent of responsibility to comply or complete the work as proposed.

In the event a clarification is requested on the contents of this specification, the question shall be addressed via email or in writing to:

Rowan County Purchasing Department
Attn.: Jody Farrow-Bennett
130 W. Innes Street
Salisbury, NC 28146-8388
jody.farrow-bennett@rowancountync.gov

When a Respondent requests clarification, a copy of the request and the County's reply will be forwarded to all Respondents.

The vehicle(s) shall, at the time of delivery, conform to the minimum requirements of the latest standards covering vehicles of this type. This shall include Federal, State, and local requirements.

In the event the respondent represents more than one foam trailer manufacturer meeting the manufacturer requirements outlined herein, then the respondent shall "only" offer the highest quality vehicle(s) that the respondent represents. Multiple responses from the same respondent on different manufacturers may be accepted if more than one manufacturer exhibits the same quality standards. This purchaser is seeking quality equipment. Respondents are asked to offer only the product(s) of the highest level of quality represented by that respondent.

Is this requirement understood and met?
Yes ☒ No ☐ Respondent's initials: DB

By signing this document, the Respondent agrees that this Response is made without any understanding, agreement, or connection with any other person, firm or corporations making a response for the same purpose, and that this response is in all respects fair and without collusion or fraud.

Current literature and detailed specifications on the unit proposed shall be included with the response submittal.

TYPE OF RESPONSES TO BE SUBMITTED

The information requested within the response must be furnished in full. Any respondent not completing this response or not furnishing any required information will not be considered. If a respondent will not furnish a material or fabrication process exactly as described in this specification, then that difference must be designated in the list of exceptions. If a substitution is being proposed, then the respondent must note the section to which the alternative is being proposed and provide technical data, supported by an engineer, supporting the fact that the substitute is equal to or better than the item as specified. If this data is not submitted by the deadline for approved equal request and approved; if a bid is then submitted in the bid response, then the response shall be rejected as being non-compliant. Respondent added narrative describing a substitution as being clarification, exceeding, being equal to, etc. will not be accepted. Statements such as these, with or without the technical data described in this section, will cause the response to be rejected as being noncompliant.

This County reserves the right to require samples of any deviating material to be provided for evaluation.

Does the respondent comply with these requirements? Yes ☒ No ☐

Important Dates

Issue Date:	Tuesday, November 8, 2022
Deadline for Submitting Bids:	Monday, November 21, 2022 at 3:00 PM ET

Submission of Bids

Bids must be presented on the **Bid Response Form** attached to the specifications in a sealed envelope and mailed or delivered to:

Rowan County Purchasing Department
Attn: Purchasing Department
130 West Innes Street, Suite 31
Salisbury, NC 28144

The package shall be sealed and plainly marked **"ITB 2023-007a Foam Trailer"**.

Bidders must submit one original sealed bid.

No responsibility shall be attached to Rowan County (the County) for the premature opening of any bid not properly addressed or identified.

This will be a public bid opening. Once bid is awarded all bidders will receive notification.

Sealed Bids are due on Monday, November 21, 2022, at 3:00 PM ET in the J. Newton Cohen, Sr. Administration Building at 130 West Innes Street, Suite 31, Salisbury, North Carolina. Failure to submit a Bid by this deadline will disqualify the Bidder from consideration in this project.

Request for Clarification

The County will not be bound by or be responsible for any interpretations or conclusions drawn from this ITB. All questions or requests for clarification or additional information must be submitted in writing no later than 5:00 pm on Tuesday, November 15, 2022. These written questions or requests must be submitted to Jody Farrow-Bennett, Purchasing Director, by mail or e-mail. Any questions the County feels are pertinent to all interested bidders will be delivered to all participating bidders as addenda to this ITB. All addenda will be posted on the County website <https://www.rowancountync.gov/675/Purchasing> and it is the responsibility of the Bidder to check for any addenda. All addenda will be posted by 5pm Wednesday, November 16, 2022.

In addition, the County assumes no responsibility for conclusions or interpretations derived from technical and background information presented in this ITB, or otherwise distributed or made available during this procurement process. The County will not be bound by or be responsible for any explanation, interpretation, or conclusions of this ITB or any documents provided by the County, other than those given in writing by the County, through the issuance of addenda. It is the full responsibility of the Bidder to thoroughly investigate the needs/requirements of the County not necessarily assumed in this ITB.

Signed Bid Considered an Offer

Receipt of a signed bid shall be considered an offer on the part of the Bidder. The terms, conditions, and specifications of this ITB will become part of the contract if the bid shall be deemed approved and accepted by the County. In the event of a default on the part of the Bidder after acceptance by the County, the County may take such action as it deems appropriate, including legal action for damages or specific performance.

Timeline to Execute Contract

As time is of the essence, the Bidder is required to begin and/or commence the work to be performed under this contract within the time specified on the Bid Form. Failure by the Bidder to begin and/or complete the work within the contract time shall be assessed a penalty for each day of overrun. The Bidder hereby agrees to execute this contract and that said charges are considered a just and reasonable compensation to the County and said charges shall be deducted from payment.

Availability of Funds

A contract for this project will be awarded and deemed binding only to the extent of appropriated funds for the purpose set forth in this ITB.

Non-Discrimination

The Bidder shall not discriminate against any individuals and will take proactive measures to assure compliance with all Federal and State requirements concerning fair employment, employment of people with disabilities, and concerning the treatment of all employees without regard to discrimination based upon age, race, color, religion, sex, national origin, or disability.

Collusive Bidding

The Bidder's signature on the Bid Form is a guarantee the prices quoted have been arrived at without collusion with other eligible Bidder(s) and without effort to preclude the County from obtaining the lowest possible competitive price.

General Indemnity

The Bidder shall save and hold harmless, protect, defend and indemnify the County (including the County Manager, the Board of Commissioners, as well as Rowan County officers, agents and employees) from and against any demand, claim, suit, loss, expense or damage which may be asserted against any of them in their official or individual capacities by reason of any alleged damage to property, or injury to, or death of, any person arising out of, or in any way related to, any action or inaction of the Bidder (including its officers, agents and employees) in the performance or intended performance of this contract, or the maintenance of any facility, or the operation of any program, which is the subject of, or is related to, the performance of this contract. The obligations of the Bidder pursuant to this paragraph shall not be limited in any way by any limitation in the amount or type of proceeds, damages, compensation or benefits payable under any policy of insurance or self-insurance maintained by, or for the use and benefit of, the Bidder. As an integral part of this contract, the Bidder agrees to purchase and maintain, during the life of

this contract, contractual liability insurance in the amount required in the general liability insurance requirements and to furnish proper evidence thereof with the County named as an additional insured.

Assignment

The successful Bidder shall be the prime Contractor and shall be solely responsible for all contractual performance. The Bidder shall not assign, transfer, convey, sublet, or otherwise dispose of its agreements with the County, or its rights, title, or interests herein, or its power to execute such agreement, to any other person, company or corporation without the previous written consent and approval of the County.

Conflict of Interest

All Bidders must disclose in writing with their bid the name of any owner, officer, director, or agent who is also an employee of the County. All Bidders must also disclose in writing with their bid the name of any employee of the County who owns, directly or indirectly, an interest of five percent (5%) or more in the Bidder's firm or any of its branches or subsidiaries. By submitting a bid, the Bidder certifies that there is no relationship between the Bidder and any person or entity which is, or gives the appearance of, a conflict of interest related to this ITB or project.

Errors and Omissions

The Bidder shall not take advantage of any errors or omissions in this ITB and shall promptly notify the County of any omissions or errors found in this document.

Award Criteria

The County will award based on the lowest responsible, responsive bidder, taking into consideration quality, performance, and the time specified in the bids for the performance of the contract.

Pricing

Submission of any bid signifies the Bidder's agreement that its bid and the contents thereof are valid for ninety (90) calendar days following the submission deadline and will become part of the contract that is negotiated between the County and the successful Bidder. All prices submitted with the bid shall remain in effect for the ninety (90) day period.

Rowan County Fire Protection District

500 Gallon Attack Foam Trailer

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Detailed Request for Proposal Specifications

I. TRAILER, TANK, AND COMPARTMENTS

A. TRAILER UNIT

1. Size:
 - Not to exceed (approx.) 276" long, 96" wide, 84" high when measured from the ground surface.
2. Frame Weldment
 - The main trailer platform, cross members and a-frame hitch shall be constructed from rectangle tube steel or C-Chanel. Frame cross members shall be adequately spaced to support the load of the tank as required by the tank manufacturer. A channel shaped rear bumper shall be included at the rear behind the tank to protect the rear of the tank. The lights shall be installed in with protection along the bumper.
3. Axles:
 - Tandem 6,000-pound sprung axles are to be used on the trailer. Each wheel is to have an individual electric brake.
4. Tires and Wheels:
 - Minimum 16 ply tires with a capacity of 3,500 lbs. each at 80 PSI. Wheels preferred to be painted steel white spoke style 16 X 6 rated at 3,050 lbs. each. Chrome center caps and lug nuts shall be provided.
5. Tow Coupler:
 - The drawbar coupler shall be sized to fit a 2 5/16" ball and shall be adjustable in height. Safety chains rated 12,000 lbs. per pair shall be provided at the front of the trailer. A breakaway line must be provided to activate brakes should the trailer become uncoupled from the tow vehicle.
6. Jacks/Stands:
 - Three heavy-duty pound crank down detachable type stands shall be mounted to provide support during standalone trailer operations. A minimum 5,000 lb stand on the front and two 2,000 lb. stands, one each side, at the rear shall be provided. Rear jacks shall be removable.
7. Wheel Chocks:
 - A set of aluminum wheel chocks, approved for the tire diameter provided, shall be provided to retain the trailer when uncoupled from the tow vehicle. They shall be mounted in brackets secured to the angled surfaces of the street side fender.
8. Trailer Power Cord:

- A round 7 blade RV type male connector shall be provided at the extreme front of the nose tube with at least a 36" cord extending beyond the front of the trailer. A wiring diagram for proper interface between the tow vehicle and the trailer shall be provided. The main power cord shall terminate into a main sealed junction box located under the nose of the trailer. All wiring shall extend from this box as required. Wiring shall be heavy-duty, all-weather type insulated sized properly for all applied loads and protected from damage by foam concentrate overflow and normal use. All wiring to be GXL cross linked with color coded function as practical. All wiring shall be protected and firmly attached to the frame.

9. DOT Lighting and Reflectors:

- The trailer lighting shall comply with FMVSS section 108 of FCR 49. There shall be two combination LED stop-tail-turn lights mounted into a channel bumper at the rear of the trailer. Individual LED clearance lights on brackets shall mark the corners and rear of the trailer as required. An LED license plate light and bracket shall be located on the street side rear tapered plane of the fender. Reflectors shall be located on the sides and rear of the trailer frame.

10. Warning Lights:

- There shall be two 12 volt 3" x 7" LED red flashing warning lights mounted on the rear and both sides of the trailer for a total of 6 lights. These shall be powered by the tow vehicle and shall be switched at the front of the trailer. There shall be four 12-volt LED white platform lights provided. There shall be two in the pump area and two at the rear in the work areas. These shall also be powered by the tow vehicle and switched at the front of the trailer.

11. Wiring:

- Heavy-duty all-weather type insulated wire sized properly for all applied loads and protected from damage by foam concentrate overflow and normal use. All wiring shall originate from front trailer plug. An electrical schematic is to be provided for wiring tow vehicle.

12. Work Platforms:

- There shall be one aluminum diamond plate platform on front A frame of trailer (aft of hitch) and one aluminum plate platform shall be provided at the rear of the trailer. A side running board step shall be provided ahead of and behind the fenders on each side for safe access to accessories located on top of the tank.

13. Gross Vehicular Weight (GVW):

- The GVWR of the trailer shall not exceed 12,000 pounds.

B. FOAM TANK:

1. Size:

- The 500-gallon PT II E propylene foam tank shall be manufactured by United Plastic Fabricating or approved equal. Low center of gravity type with adequate baffles.

2. Gauge:

- Clear visual liquid level site gauge convenient to operator's area at the front and the rear of the trailer.

3. Fill Tower:

- Two can Poly-tub with hinged liquid tight cover that will prevent foam concentrate from splashing out of the fill tank during movement and provides for reverse filling to control agitation.

4. Vents:

- Two 2" pressure/vacuum vents shall be installed into the foam fill tower.

5. Drain:

- 1.5" NSTFS drain with valve shall be plumbed off the sump. A plug and chain shall be provided. Outlet shall terminate ahead of the wheels on the passenger's side of the trailer.

C. FIRE ATTACK EQUIPMENT

1. Attack Hosebeds:

- Provide two (2) cross lay hose beds across the tank at the rear of the trailer. The cross lay hose beds shall be capable of containing 200' 1.75" DJ fire hose. Each cross lay shall have a pre-piped 0-.25-.5-1-3-6% 95 GPM eductor with a 2" bronze quarter turn valve plumbed off a dual inlet 6" water manifold. The discharge shall terminate in the hose bed with a 90-degree continuous swivel with 1-1/2" NST male hose threads. Provide a single cross lay hose bed across the tank at the rear of the trailer ahead of the 1 3/4" hose beds. The hose bed shall be capable of containing at least 200' of 2.5" DJ fire hose. The cross lay shall have a pre-piped 0-.25-.5-1-3-6% 250 GPM eductor with a 2-1/2" bronze quarter turn valve plumbed off a dual inlet 6" water manifold. The discharge shall terminate in the hose bed with a 90-degree continuous swivel with 2-1/2" NST male hose threads. A cross lay hose bed shall be provided in front of the 2-1/2" cross lay bed capable of containing at least one 50' lengths of 5" LDH hose.

2. Foam Monitor:

- Provide a pre-piped, demountable 1-3% 500-gpm self-educting foam monitor with matching ground base. The ground base shall have a 5" storz inlet. The monitor shall be a lightweight type with truck mount. Monitor to be plumbed off 6" manifold with a 3"

riser with a 3" bronze body ¼ turn valve. The ground base shall be mounted to the trailer with the appropriate brackets.

3. Remote Proportioning:

- A jet pump that is matched to the 500 GPM foam nozzle shall be piped off the 6" water manifold with a 1.5" valve, a 2-1/2" 0-300 psi gauge and a chrome cap. The foam pick up line for this jet pump shall have a 1%-3% selector valve. The jet pump shall have a 1.5" quarter turn valve and a 1-1/2" NSTM discharge.

4. 6" Manifold:

- There shall be a 6" stainless steel manifold provided at the rear of the trailer. It shall terminate in 5" chrome NST adapters on each side. The manifold shall be equipped with two 5" gated storz inlet valves with caps. The manifold shall have a 4-1/2" liquid filled pressure gauge and a .75" brass drain.

5. Hose bed cover:

- There shall be a single vinyl hose bed cover provided for the three preconnected attack hose beds and for the one 5" LDH supply line hose bed. The hose bed cover shall be black vinyl and will have snaps to secure it to the hose bed walls.

D. COMPARTMENTS / STORAGE

1. Top Compartment:

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

2. Open top storage.

- An open top dunnage area for the storage of ten to fifteen five-gallon foam pails shall be provided on top of the foam tank.

II. PUMP

A. Pump

- One bronze gas-powered rotary gear transfer pump with a flow rate of 50 GPM at 50 psig shall be provided. Pump is to have electric start, integral fuel tank, battery, and recoil start back up. An adjustable relief valve shall be provided and shall be piped back to the foam tank. The return port in the tank shall have an internal pipe that discharges the foam at the bottom of the tank to reduce agitation.
- A 12-volt battery to start the pump is to be provided in a weatherproof box with enclosed battery conditioner and weatherproof shoreline plug receptacle.

B. Pump Connections and Piping

- The permanently mounted pump shall be capable of pumping foam concentrate from the tank or from 5- or 55-gallon drums 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 couplings. All concentrate piping shall be brass or 304 grade stainless steel. All valves to be bronze full flow port and shall be quarter turn commercial type.
- All piping will be labeled with color coded arrows showing the direction of flow in the pipe.

SUCTION

- Provide one valved 1-1/2" suction line from the foam tank to the foam pump. A second 1-1/2" tank isolation valve in this line shall be provided at the tank for pump service.
- Provide one valved 1-1/2" male NSTM branch inlet on main tank to pump (suction) line to allow a suction hose to be connected to the pump and onload the 500-gallon foam tank. Provide a cap with a tether for this 1-1/2" inlet.

DISCHARGE

- Provide one valved 1-1/2" NSTM discharge outlet from the foam pump with a chrome cap and chain. Provide one valved 1-1/2" tank fill line from the foam pump to the foam tank. The internal tank fill pipe is to extend into and towards the tank bottom to limit foam agitation while filling. A second 1-1/2" tank isolation valve shall be provided in this line at the tank for pump service.

III. PAINTING, LETTERING, STRIPING AND LABELS

A. PAINTING – The steel trailer frame weldment shall be sand blasted prior to painting. A proven paint system shall be used to prime and paint both the foam resupply trailer only. The color shall be red.

- The polypropylene foam tank shall remain unpainted.

B. LETTERING AND STRIPING:

- Striping and Lettering shall match the Department's apparatus including 4" White Reflective Lettering with black shadow with 4" lettering saying, "ROWAN COUNTY FIRE RESCUE". A 6" chevron pattern of red and yellow strips shall be provided on the rear of the trailer.

C. LABELS:

- All devices will have fixed weatherproof labels or tags. Instructional plates will be mounted directly adjacent to operational controls.

IV. WARRANTIES

A. TRAILER AND TANK WARRANTY

- Provide a (1) year warranty on each trailer frame and components. (Except tires, storage batteries, electric lamps and other devices subject to normal deterioration) Workmanship carries a 1-year warranty. Provide a lifetime warranty on the foam tank.

B. OTHER WARRANTIES

- All additional equipment shall be covered by the individual manufacturer's warranty.

V. LOOSE EQUIPMENT SUPPLIED:

A. Provide the following accessories for use with the foam resupply trailers.

1. Two (2) 1-1/2" clear PVC suction hose, 120" inch long with 1-1/2" NST end fittings. Two each, 18" and a 40" stinger with 90-degree elbow pumping concentrate from 5- and 55-gallon barrels shall be provided. This stinger shall be #80 PVC pipe. The elbow shall have a 1-1/2" NSTF connection and a 1-1/2" ball valve to control the flow of foam at the stinger.
2. Two (2) each PVC 1.5 foam fill tube approximately 48" long with shut off valve. Inlet connection on fill tubes to be 1 1/2" NSTF swivel type.
3. Provide two (2) foam pail wrenches. (Loose)
4. Provide two (2) large LDH spanner wrench set with holder mounted at the rear of the trailer.
5. Provide two (2) 120 gpm low expansion nozzle with NST connection and ball valve. Nozzle to be Harrington model HHFN-54-15NH or equivalent.
6. Provide two (2) 120 gpm medium expansion nozzle with NST connection and ball valve. Nozzle to be Harrington model HMFN-M4-15NH or equivalent.
7. Provide eight (8) 50-foot lengths of Mercedes Textiles Kraken EXO Permatek Color treated 1-3/4 " fire hose with 1-1/2" NH couplings or equivalent.
8. Provide two (2) 50-foot length of Mercedes Textiles MegaFlow Breather DJ 5" LDH hose with Storz couplings or equivalent.
9. Provide eight (8) 50-foot lengths of Mercedes Textiles Kraken EXO Permatek Color treated 2-1/2" fire hose with 2-1/2" NH couplings or equivalent.
10. Provide operational and technical manuals for all equipment and accessories provided.