
Addendum No. 1

NEW SEWER CLEANER / VACUUM TRUCK

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE REVOLVING FUND PROGRAM

Prepared for:

ST. JOHN THE BAPTIST PARISH

1811 W. Airline Hwy.

LaPlace, LA 70068

PEC PROJECT NO. 10929-5

Prepared by:



PEC

PROFESSIONAL
ENGINEERING
CONSULTANTS
CORPORATION

7600 Innovation Park Drive

Baton Rouge, LA 70820

P: 225.769.2810

F: 225.769.2882

PECLA.com

ADDENDUM NO. ONE (1)

DATE ISSUED: Monday June 17, 2019

BID DATE: Thursday June 27, 2019

BID TIME: 2:45 P.M. (Local Time)

This addendum shall be part of the Contract Documents as provided in the Specifications.

The following items are issued to add to modify and clarify the Bid Documents. These items shall have full force and effect as the Bid Documents, and the costs involved shall be included in the Bid Prices.

IN THE SPECIFICATIONS

Section II – Performance / Completion Page 6 of 13,

Delete the following: “*The Bidder shall be required to deliver such items as per specifications within **Ninety (90) days** after receipt of a purchase order number.*”

and Replace with the following: “*The Bidder shall be required to deliver such items as per specifications within **Two hundred twenty (220) days** after receipt of a purchase order number.*”

Exhibit B: Minimum Specifications

Delete Pages B-1 through B-6 and replace with the attached Rev. B-1 through Rev. B-6.

B-2, Eliminated a vacuum system utilizing fan design and requires blowers to develop the vacuum necessary to remove debris from manholes.

B-3, Eliminated the Auxiliary Engine Option for the Water Pump.

Exhibit B: Minimum Specifications

This Sewer Cleaner / Vacuum Truck shall be to the manufacture's standard. It shall be equipped with the manufacture's equipment and accessories which are included as standard in the advertised and published literature for the unit. No such item of equipment or accessories shall be removed or omitted for the reason that it was not specified in the bid.

If it is necessary to bid alternate equipment or to take exceptions to the specifications as set forth, this must be so stated in your bid. For each item, please place a X in the appropriate space (Yes__ No__) to signify whether or not you are in complete compliance with the specification. Failure to follow the format or answer the specification may cause your bid to be disqualified. If you need extra space to describe your product, please attach extra sheets. When doing this, be sure your description references the appropriate question number.

PART I - COMBINATION SEWER CLEANER SPECIFICATIONS

COMPLY, Indicate: Yes or No

GENERAL

Yes No

The machine is capable of removing stones, grit, grease, sludge and other debris from sanitary sewer and/or storm drain lines by the flushing action of high-pressure water. The high-pressure sewer cleaner operates independent of the vacuum system.

The machine includes an air conveying vacuum system to provide for the simultaneous removal of the debris flushed to the manhole by the high-pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.

The machine is capable of being operated by one man, with all operating controls for high-pressure water pump, hose reel, and vacuum, located at the front of the machine for safety.

DEBRIS BODY

Yes No

Debris storage body has a minimum usable liquid capacity of 11 cubic yards. The debris body shall be round for maximum strength and constructed of 3/16 inch minimum corrosion and abrasion resistant steel or stainless steel.

The rear discharge door shall hydraulically open and close (raise and lower) by means of hydraulic cylinders. The door shall hydraulically open 90 degrees to allow easy access to the debris body for clean out. Hydraulic operated door locks shall be installed. The door locks shall be operated by two double acting hydraulic cylinders.

There shall be a 6" diameter liquid drain valve, "knife valve type" for removing excess liquids. Drain will have 10 feet of 6 inch lay flat hose.

A rear door safety prop shall be provided.

A double acting power up/power down hydraulic lift mechanism will be provided to raise body to a minimum 50 degree angle. The lift capacity of hydraulic lift shall be at a minimum the weight of the body and a maximum load of debris.

An internal stainless steel float device with external indicator is supplied to show when body is loaded to capacity.

Dump controls are located on curbside mid-ship of the unit, well forward of the dumping area for operator safety. A manual override system is provided in case of system failure.

The debris body has a five year warranty.

A copy of manufacturer's warranty statement shall be enclosed with bid.

VACUUM SYSTEM

Yes No

A minimum 8 inch diameter vacuum system shall be furnished, mounted on a power boom for vacuuming water and debris from manholes and lift stations. A blower system shall be provided and arranged such that no debris passes through the blowers before being deposited in the debris body.

(Blower Design) (Fan system is not acceptable.)

Vacuum will be achieved by a positive displacement rotary lobe type Roots 824-18 blower driven via chassis and a heavy duty split transfer case direct to the blower.

Blower shall be driven by the chassis engine and shall produce an inlet volume of 4500 cfm @ 0" hg @ 2250 rpm and 3590 cfm @ 18" hg @ 2250 rpm.

A means of starting, stopping and varying the vacuum suction from operator station at the front of the machine is provided.

A centrifugal vacuum separator system with cleanout box shall be provided. The separator removes particles from the air stream, thus enabling unit to vacuum wet or dry material. The separator is separate from the debris body.

A stainless steel micro strainer system with removable cartridge style screens and bottom drain ports shall be provided prior to the blower inlet.

The blowers shall have a 5-year replacement non-prorated warranty.

VACUUM PICK UP HOSE

Yes No

Shall be front loading, attached at the front of the machine in order to provide ease of positioning the machine over the manhole, as well as afford maximum safety for the operator.

The 8" will be mounted on a boom that will provide a minimum of 18' vertical lift utilizing dual hydraulic cylinder and 180 degree of boom rotation powered hydraulically for non-interrupted smooth movement. Boom to have a lift capacity of 500 lbs. at the front bumper.

The boom will be powered by an electric over hydraulic system.

The boom shall hydraulically telescope a minimum of 10 ft. forward from the operator's station. The height of the boom shall not change while the boom is being telescoped. A manual override system shall be provided for right/left, and up/down functions in case of system failure.

Control of the boom is by means of a joystick control at the operator's station, requiring no cables at operator's feet for boom operation. A wireless remote control will be provided for Boom, Vacuum Breaker, Chassis Throttle, Debris Body functions and Emergency Safety Stop Switch.

8 inch diameter pipe extensions with clamps will be provided and carried on the truck as follows:

- 1 6-1/2' Catch Basin Nozzle
- 1 6' Aluminum Pipe Extension
- 1 5' Aluminum Pipe Extension
- 1 3' Aluminum Pipe Extension

WATER SUPPLY

Yes No

The water tanks shall have a minimum usable capacity of 1100 U.S. gallons.

The water tanks shall be constructed of aluminum or cross-linked polyethylene. The tanks shall be furnished with satisfactory filling and draining features, and necessary piping, valves and accessories including vents.

Polyethylene tanks shall be protected by a minimum 11 gauge steel plating mounted under tanks.

The water tanks shall be mounted on the truck frame at an engineered position for maximum truck stability.

Large water tanks shall be internally baffled to stabilize water load for transport.

A 2-1/2 inch diameter x 25 feet long hydrant hose with hydrant wrench is supplied on the unit.

An anti-siphon fill device is installed on the unit.

A sight gauge to indicate water level is located within sight of the operator station.

The water tanks carry a ten year replacement warranty.

HIGH-PRESSURE WATER PUMP

Yes No

The high pressure water pumping system shall be complete with all necessary controls relief valves and safety features. The system shall be rated to deliver smooth continuous pressure and flow through the entire flow range of the pump. The high pressure shall have smooth continuous flow for both the high pressure system and the hand gun system.

A continuous duty flow of 50 g.p.m. and 2500 p.s.i shall be provided.

High-pressure relief valves are provided for both the high-pressure system and hand gun system.

The water pump operates independently of the vacuum system and shall be driven from the truck engine through a hydrostatic drive.

Features shall be provided to protect the pump from damage when the water tank is emptied and the pump begins to run dry, or a certificate shall be provided stating that the water pump is capable of running dry at full speed for 30 minutes.

Controls for starting and stopping the water pump and to vary the flow and pressure shall be at the front hose reel operator's station.

A variable/ multi flow system shall be provided to have the capability to vary the flow with the change of a nozzle or a selector knob control.

The high-pressure water pump is equipped with a cold weather drain valve. The valve allows the operator to completely drain the high-pressure pump.

A debris body flush-out system which is operated from the unit's high pressure water pump shall be provided at the front of the debris body.

The high-pressure water pump drive system carries a five year replacement warranty. Warranty excludes the drive engine, i.e. auxiliary engine.

HOSE REEL ASSEMBLY

Yes No

The hose reel assembly is mounted on the front of the vehicle. The hose reel shall have a minimum of 30" inside diameter with a capacity of 600' x 1" hose.

The hose reel will be power driven both forward and reverse by a hydraulic motor with controls for operating the motor incorporating a flow control device to regulate the rotational speed of the reel in both directions. Machinery (drive, chains, etc.) and fittings shall be safely enclosed by a housing or cover.

The hose reel shall pivot, rotate or articulate at least 180 degrees.

When in use, the hose reel may extend beyond the width of the passenger side of the vehicle for greater flexibility and maneuverability in cleaning offset manholes.

JET HOSE

Yes No

600' x 1" jet rodder hose will be supplied rated for 2500 psi minimum working pressure and 7500 psi burst pressure.

A heavy duty hose guide with 25' of nylon rope will be provided.

Nozzles shall be hardened steel with replaceable ceramic orifices as follows: 1) Chisel head penetrator & 1) standard sanitary.

MANHOLE CLEANING WATER SYSTEM (HAND GUN)

Yes No

The high-pressure pump and independent water tank assembly supplied shall be used for manhole cleaning. A smooth continuous flow of 20 g.p.m. and pressure of 500 p.s.i. shall be provided for ease of operation. A hand gun pressure relief valve set at 500 p.s.i. shall be provided. One full functioning hand gun with on/off hand control, replaceable nozzle tip, 12 inch extension, adjustable spray and 50' x 1/2" hose with retractable reel will be provided.

The hand gun will attach to the system via a quick couple connection at the curbside of the unit. To avoid being coiled at the operator's station a hand gun holder will be provided at the front bumper.

HYDRAULIC SYSTEM AND LUBRICATION

Yes No

Hydraulic Systems shall be used to power the water pump, hose reel, vacuum, boom, body tilt and rear door latch.

Water pump and vacuum system shall be capable of simultaneous operation at 100 percent capacity.

Reservoirs shall be sized to supply adequate hydraulic fluid volumes and adequate cooling of the hydraulic system(s).

Hydraulic oil coolers, with thermostatic control and manual bypass, if required to maintain hydraulic oil temperatures below an acceptable level, shall be provided.

The hydraulic system shall incorporate a main shut off valve in case of hydraulic failure.

The hydraulic system shall incorporate appropriately sized hydraulic pressure relief valves and pressure gauges for ease of trouble shooting and maintenance.

The unit is equipped with a permanent weatherproof lubrication chart that points out lubrication points on the module and specifies what type of lubrication and hydraulic fluids are required. The chart also specifies the frequency of each lubrication point.

Remote plumbed grease fittings are provided for the vacuum compressor, boom rotation, and water pump drive areas.

ACCESSORIES

Yes No

A minimum twelve (12) month manufacturer's guarantee on the unit will be provided.

A storage box behind the cab will be provided, 16" x 42" x 96"

All special tools needed for adjustment, maintenance and disassembly of the machine.

- 1 Air purge system
- 1 1/4 turn ball valve water drain
- 1 Variable flow valve
- 1 Deck mounted pipe rack, holds 5 pipe
- 1 Storage box shall be provided with two roll out shelves
- 1 Lateral Cleaning Kit w/200' x 1/2" Hose w/Nozzle, Permanently Mounted, Electronically Controlled
- 1 Rear mounted tow hooks

- 1 Remote boom grease zerk assembly, (accessible from ground level)
- 1 Remote debris tank grease zerk assembly (accessible from ground level)
- 1 Dual roller level wind guide
- 1 10' leader hose
- 1 Water pump remote oil drain
- 1 Body Prop - Mounted to frame
- 1 Traffic Camera with Color Monitor (Camera placement must be picked)
- 1 Rear traffic camera
- 1 Long handle storage/ (2) PVC Traffic Cone Holder

LIGHTING

Yes No

Electrical wiring to be color coded, connections to be made in sealed terminal boxes, protected from moisture, and with no exposed wire terminals.

All module circuits are protected by circuit breakers.

Clearance lights and reflectors shall be furnished in accordance with D.O.T. requirements.

- 1 LED strobe light with limb guard, rear debris tank door mounted - Whelen L21HAP LED Beacon with Whelen BGH Branch Guard or equal
- 1 4 LED strobes - (2) front bumper, (2) rear bumper - Whelen 50A03ZCR – Amber or equal
- 1 LED Arrow stick - Whelen TAM85 Traffic Advisor or equal
- 1 LED Boom Mounted Flood Light - Whelen NP6BB Worklight or equal

All lamps shall be shock resistant.

