

City of Portsmouth
Portsmouth, New Hampshire
Public Works
Water/Sewer Division

Bid#41-17
New Freightliner
10 Wheel Vacuum Pump Truck
Or Equivalent

INVITATION TO BID

The Portsmouth Public Works Department – Water/Sewer Division is seeking to purchase a new 10 wheel vacuum pump truck. Sealed bid proposals, plainly marked “Bid#41-17 New 10 Wheel Vacuum Pump Truck” on the outside of the envelope, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, will be accepted until 2:00 p.m. February 23, 2017 at which time all bids will be publicly opened and read aloud.

This bid is available at <http://www.cityofportsmouth.com/finance/purchasing.htm> or by contacting the Finance/Purchasing Department at the following number: (603) 610-7227.

Questions may be directed to the Finance/Purchasing Department. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website under the project heading.

The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

INSTRUCTION TO BIDDERS

I. Preparation of Bid Proposal

- A. The Bidder shall submit its proposal upon the form furnished by the City (attached). Prices shall be given in both words and figures.
- B. Corrections made to amounts or information requested on the bid form should be made by crossing out the error and entering the new price or information above or below it. The correction must be initialed. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
- C. The bidder's proposal must be signed by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture; by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his/her name and post office address must be shown, by a partnership the name and post office address if each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
- D. All words, figures, corrections shall be in ink or typed. All signatures shall be in ink.
- E. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website at <http://www.cityofportsmouth.com/finance/purchasing.htm> under the project heading. Addenda and updates will NOT be sent directly to firms. Bidders submitting a proposal should check the web site for addenda and updates after the release date. Bidders should print out, sign and return addenda with the proposal. Failure to do so may result in disqualification.

II. Delivery of Bid Proposals

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Faxed bid proposals are not acceptable.

III. Withdrawal of Bid Proposals

A bidder will be permitted to withdraw his/her proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

IV. Public Opening of Bid Proposals

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

V. Irregular Proposals and Disqualification of Bidders

Bid proposals that are irregular may be rejected. Irregular bid proposals include the following:

- A. Failure to use the bid form provided or alteration of the form.
- B. Unauthorized additions, conditional or alternated bids, incomplete bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- C. The addition of any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

Bidders may be disqualified and the bid proposal rejected for the following reasons:

- A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name;
- B. Evidence of collusion among bidders;
- C. Failure to submit all required information requested in bid specifications;
- D. Bidder is not qualified or able to provide the services or product(s) described in the bid specifications; or
- E. Disqualification is in the best interest of the City of Portsmouth.

AWARD

I. Consideration of Proposals and Award

After the proposals are opened and read, bid results will be available to the public. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern.

Within 30 calendar days after the opening of proposals, if an award is made, it will be made to the lowest, responsible, qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by mail at the address indicated on the proposal.

The award shall not be considered official until such time that a purchase order, fully executed contract or an award letter has been issued by the Finance Director.

No presumption of award shall be made by the bidder until such documents are in hand. Verbal notification of award is not considered official. Any action by the bidder to assume otherwise is done so at his/her own risk and the City will not be held liable for any expense incurred by a bidder that has not received an official award.

III. Reservation of Rights

The City reserves the right to cancel the award at any time before final notification of the successful bidder without any liability against the City. The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

Bid Specifications

New Freightliner 10 Wheel Vacuum Pump Truck or Equivalent:

The intent of this specification is to procure a new, latest model, ten wheel vacuum pump truck that is fully functional and equipped for the removal and transport of sanitary waste. The dump body will have a telescoping hoist and a hydraulically actuated fully opening rear door. The body will be equipped with a wash down system to assist in the cleaning of lift stations.

The City of Portsmouth will trade in two vehicles:

Vehicle#1: 1997 Volvo triaxle roll off truck with approximately 202,000 miles.

Vehicles#2: 1994 White/GMC 10 wheel septic vacuum truck with approximately 203,000 miles.

The following are minimum acceptable specifications. Any exceptions shall be noted in the column titled “Actual Bid”.

| Minimum Requested: | Actual Bid: |
|--|--------------------|
| <u>Engine Components:</u> | |
| 410 Horsepower, 1650 LB/FT Torque | _____ |
| Onboard diagnostics | _____ |
| Carbon Emission Certification-Clean Idle | _____ |
| Side of hood air intake with firewall mounted air cleaner and inside/outside air with snow door | _____ |
| DR 12V 180 Amp 28-SI quadramount pad alternator with remote battery volt sense | _____ |
| 19.0 CFM single cylinder air compressor with safety valve | _____ |
| Electronic engine integral shutdown protection system | _____ |
| Right side outboard under step mounted horizontal after treatment system assembly with right side B-pillar mounted vertical tailpipe | _____ |
| Engine after treatment device, automatic over | _____ |

the road regeneration and dash mounted
regeneration request switch

Ten Foot exhaust system height with a right
hand curved tailpipe

Left side mounted medium duty diesel exhaust
tank

Stainless steel after treatment device, muffler,
tailpipe shield

1500 square inch aluminum radiator with
drain valve

1500 watt/ 115 volt block heater with
engine heater receptacle under left side door

12V 39MT+ HD/OCP starter with thermal
protection and integrated magnetic switch

Transmission Equipment:

Allison 4500 RDS automatic transmission
with PTO provision

Vehicle interface wiring with body builder
connector mounted back of the cab

PTO mounting, left side of main transmission

Electronic transmission access connector
mounted to the firewall

Magnetic plugs- engine drain, transmission
drain, axles fill and drain

Dash mounted push button electronic shift
Control

Frame mounted water to oil transmission
cooler

Electronic transmission oil level check

Synthetic Transmission Fluid

Front Axle and Suspension:

20,000 lb front axle with 20,000 lb flat leaf suspension

Graphite bronze bushings with seals

16.5 x 6 front brakes with automatic slack adjusters

Frame mounted power steering with cooler

Front hub, caps with window, center and side plugs. Synthetic 75w-90 front axle lube

Rear Axle and Suspension:

46000 lb rear tandem axles with 46000 lb. Tuftrac rear springs and shock absorbers

16.5 x 8.62 rear brakes with automatic slack adjusters

Driver controlled traction differential, both tandem axles

4.56 rear axle ratio

Extended lube main driveline with full Round yokes

Brake System:

ABS without traction control, air dryer with integral air governor, heater, and oil coalescing filter for air dryer

Aluminum air brake reservoirs with pull cables

Reinforced nylon, fabric braided and wire braided chassis air lines

Wheelbase and Frame:

252" wheel base

74" rear frame overhang

Back of cab to rear suspension 168"

Fuel Tank:

70 gallon aluminum rectangular tank mounted on left side

Tires:

Michelin XZU-S2 315/80R22.5 20 ply radial front tires

Michelin XDE M/S 11R22.5 16 ply radial rear tires

Wheels:

22.5x9.00 10-hub pilot 5.25 inset 5-hand steel disc front wheels painted black

22.5x8.25 10-hub pilot 2-hand HD steel disc rear wheels painted black

Nylon wheel guards front and rear all interfaces

Exterior Cab:

Conventional cab

Air cab mounts

3 1/2 inch fender extensions

Left side and right side exterior grab handles with rubber insert

Fiberglass hood with access hatches

Tunnel/firewall liner

Dual 24 inch round polish aluminum air horns roof mounted

Door locks and ignition switch keyed the same with 6 keys _____

Rear license plate mount at end of frame _____

Halogen composite headlamps with bright bezels _____

LED aerodynamic marker lights _____

Headlights on with wipers with low beam daytime running lights _____

Integral stop, tail, and backup lights _____

Standard front turn signal lights _____

Dual west coast bright finish heated mirrors with left hand and right hand remote _____

Left hand and right hand 8 inch bright finish convex mirrors mounted below primary mirrors _____

Right hand and left hand 8 inch heated stainless fender mounted convex mirrors with tripod brackets _____

Right hand down view mirror _____

Standard side and rear reflectors _____

Right hand aftertreatment system with cab access and plain diamond plate cover _____

Composite exterior sun visor _____

Rear window _____

Tinted door glass left hand and right hand with a tinted wing window _____

Right hand and left hand electric powered Windows _____

One piece tinted curved bonded windshield with heated wiper blade parking areas _____

Interior Cab:

Molded plastic door panels with aluminum kick plates on lower door _____

Black mats with a single layer of insulation _____

Center storage console mounted on back wall _____

Two cup holders mounted on dash _____

Switch expansion module _____

2 ½ lb. fire extinguisher _____

Triangular reflectors _____

Heater, defroster and air conditioner _____

HVAC duct work with snow shield for fresh Air intake _____

Main HVAC controls with recirculation switch _____

Heavy duty air conditioning compressor _____

Solid State circuit protection and fuses with spare fuse kit _____

Dome door activated left hand and right hand dual reading lights _____

Left hand and right hand electric door locks _____

12 volt power supply in dash _____

Premium high back air suspension driver seat with 3 chamber air lumbar, integrated cushion extension, forward and rear cushion tilt, adjustable shock absorber _____

Premium high back air suspension passenger seat with 3 chamber air lumbar, integrated _____

cushion extension, forward and rear cushion tilt, adjustable shock absorber

Dual driver and passenger seat armrests

Left hand and right hand integral door armrests

Adjustable tilt and telescoping steering column

Eighteen inch steering wheel

Driver and passenger interior sun visor

Instruments and Controls:

Black gauge bezels

Low air pressure light and alarm

Single brake application air gauge

Two inch primary and secondary air pressure gauges

One valve parking brake system with dash valve control, auto-neutral and warning indicator

Dash mounted air restriction indicator with graduations

Ninety seven decibel backup alarm

Electronic cruise control

Programmable RPM control

Diagnostic interface connector, 9 pin, SAE J1939, located below dash

Fuel filter restriction indicator

Engine coolant temperature gauge

Engine oil temperature gauge _____

Engine oil pressure gauge _____

Two inch fuel gauge _____

Two inch Transmission oil temperature gauge _____

Inside/outside temperature gauge with LCD Fahrenheit display _____

Dash mounted PTO switch with indicator light _____

Engine and trip hour meters integral within driver display _____

Overhead instrument panel _____

Smartplex hub module with overhead switch switch mounting, driver side, 6 switch slots _____

Six on/off Smartplex switches _____

AM/FM/WB radio with Bluetooth and microphone, USB, front and rear inputs and J1939, dash mounted _____

Radio wiring with power cutoff when vehicle is in reverse gear _____

Two radio speakers mounted in cab _____

Multi-band AM/FM/WB/CB left hand mirror mounted antenna system _____

Power and ground studs in dash plus roof console wiring _____

Overhead console CB radio provision _____

Speedometer MPH/KPH _____

3000 RPM Tachometer _____

Remote engine diagnostics _____

Digital voltage display integral with
drivers display _____

Single electric windshield wiper motor
with delay programmed to slowest speed
with parking break set _____

Marker light switch integral with headlight
switch _____

Self canceling turn signal switch with
dimmer, washer/wiper and hazard in
handle _____

Diagnostics and Software:

Diagnostic software and all required laptop
computer cables and or connections for
diagnosis of engine, chassis and electrical
system, and ABS system. Latest version of
Allison transmission software shall be
provided for programming with one day of
on site programming instruction. _____

Service and Parts Manuals:

For the Life of the vehicle, the contractor shall
provide web based access to all truck specific
service manuals, technical specifications and
parts catalogs _____

Color:

Cab color- Wheatland yellow _____

Chassis- Black _____

Warranty:

Standard factory warranty on cab and chassis _____

Engine- 7 year/250,000 mile full coverage _____

Transmission- 5 years/unlimited miles _____

Cooling- 5 years/200,000 miles _____

4500 Gallon Steel Vacuum Body

Waste Tank:

Constructed of A-36 steel _____

4200 gallon holding capacity _____

20" rear cleanout hatch with 6" dump and gate valve _____

12" forward hatch with primary shut off ball and seat _____

20" center manway _____

Three 5" level site eyes _____

Two internal tank baffles, full size with access holes _____

Spring loaded tank mounts _____

4" Inlet riser pipe to top of tank with internal pipe bracing and valve _____

Ladder for manway access _____

Full opening rear door with hydraulic door lift _____

Hydraulic dump cylinder _____

Water Tank:

300 gallon capacity _____

Tank will be the front section of main tank _____

¾ inch site tube for water level _____

4" top fill port _____

¾ inch garden hose fill port _____

1 1/2 inch drain valve to passengers side _____

Water pump port _____

Vacuum System:

NVE 866 Max Pac liquid cooled rotary vane vacuum pump, 500CFM and vacuum up to 27 in-hg continuously _____

Air shift PTO _____

Right angle gear box _____

Tubular steel drive shaft _____

#9 flex coupler _____

Secondary scrubber _____

4" vacuum pump feed lines to tank _____

Exhaust oil catch muffler _____

Vacuum pump engine coolant connections _____

Vacuum/pressure relief valves with gauge _____

Heated valves _____

Two 33' x 3" vacuum hoses _____

4" x 3" reducer _____

Washdown System:

Centrifugal pump _____

4 gpm, 2000 psi _____

Bypass return line from pump to tank _____

3/8" x 100' spring rewind hose reel _____

High pressure gun, lance and nozzle _____

Body:

Hose trays 10 gauge steel _____

Hose tray and an 18" high strip on the adjacent tank area to be treated with a rubberized coating to protect the surfaces _____

Rear lights to include two each of 4" brake, turn, reverse and strobe _____

Two rear LED work lights with cab switch _____

Two LED work lights with cab switch mounted on front of body to illuminate RH and LH side of tank _____

Two LED 6" oval amber strobe lights to be mounted in the rear bumper _____

Two Whelen L31HAF amber strobe lights to be mounted to the driver and passenger side door mirrors _____

Poly fenders mounted over rear tandem tires _____

Heavy duty bumper _____

18" x 18" x 36" stainless steel tool box mounted RH side _____

Finish:

Sandblasted _____

Epoxy primer _____

High solids urethane finish, Black _____

Service and Parts Manuals:

The contractor shall provide all body specific service manuals, technical specifications and parts catalogs

Training:

The contractor shall provide one day training by a factory representative in the operation and maintenance of truck body components

Warranty:

Two year warranty on fabricated parts

Five year warranty on water pump

Two year warranty on vacuum pump

Vehicle Trade In:

The City of Portsmouth will trade in two vehicles:

Vehicle#1: 1997 Volvo triaxle roll off truck with approximately 202,000 miles.

Vehicles#2: 1994 White/GMC 10 wheel septic vacuum truck with approximately 203,000 miles.

The vehicles may be viewed by appointment at 680 Peverly Hill Road, Portsmouth NH. You may set up an appointment by calling the City's Fleet Maintenance Division at 603-828-1209.

An equivalent *New 10 Wheel Vacuum Pump Truck* will be considered that meets the bid specifications. The City in its sole discretion will determine if it satisfies the bid specifications.

**Basis of Award: Item#1: Vacuum Pump Truck minus trade-ins (Item#2, Item#3) plus warranty charges:
Grand Total Bid**

\$ _____ \$ _____
Price in Words Price in Figures

DELIVERY: Bidder must state approximate number of days from award that delivery will be made.

Approximate Number of Days for Delivery: _____

DELIVERY NEW VEHICLE: Delivery is expected no later than 120 days from receipt of award. Bidder must deliver vehicle to the Public Works Department, 680 Peverly Hill Road, Portsmouth, New Hampshire.

The undersigned agrees that he/she on behalf of Bidder has read the bid proposal documents, the instruction to bidders' specifications and agrees to the terms and conditions set forth herein. Bidder understands that bid prices shall include delivery FOB to the address identified in the bid documents and bid price shall be firm for at least 45 days.

Bidder further agrees that this bid is not made jointly or in conjunction, cooperation or collusion with any person, firm, corporation or other legal entity.

Bidder agrees no officer, agent or employee of the Owner is directly or indirectly interested in this Bid.



Submitted by Authorized Agent:

(Print Name & Title)

Signature: _____

Date: _____

Company: _____

Address: _____

City/State/Zip: _____

E-mail address: _____

Telephone: _____

Fax: _____