

## **INVITATION TO BID**

The City of Rochester, New Hampshire is accepting sealed bids for A Vacuum Truck” Bids must be submitted to the City at the address below in a sealed envelope plainly marked as follows:

**“Sealed Bid, Vacuum Truck**

**“Bid # 15-06”**

City of Rochester

31 Wakefield Street

Rochester, NH 03867

Attn: Purchasing Agent

All bids must be received no later than **“August 21, 2014”** at **2:00 PM** Actual bid opening will be at Rochester City Hall, 31 Wakefield Street in Rochester NH, at **2:30 PM**. No late bids, faxed, e-mailed or telephone bids will be accepted. Bid proposals and specifications may be obtained by visiting [www.rochesternh.net](http://www.rochesternh.net), or emailing [purchasing@rochesternh.net](mailto:purchasing@rochesternh.net), or by contacting the Purchasing Agent at City Hall, 31 Wakefield Street, Rochester, NH 03867, (603) 335-7602. All bid questions must be submitted in writing (email preferred) to the Purchasing Agent. Bidders are to monitor website for addendums, and postings of all bid questions and answers. All bid proposals must be made on the bid proposal forms supplied, and the bid proposal forms must be fully completed when submitted.

### Specifications

The City of Rochester is soliciting bids for a Sewer Vacuum Truck and Unit. Below are the specifications, please state in the bid forms if your vehicle meets are specifications.

#### Chassis

Yes	No	2015 114SD 4x2 Conventional Chassis
Yes	No	Diesel Engine: CUM ISC-350 370 HP @ 2000 RPM:2200 GOV, 1150 LB/FT @ 1400 RPM Transmission: Allison 3000 RDS Automatic Transmission with PTP Provision
Yes	No	20,000 LB front/23,000 LB rear/43,000 LB GVWR
Yes	No	WB 252" CA 169" AF 75"
Yes	No	Set forward axle-truck
Yes	No	Straight truck provision
Yes	No	LH primary steering location
Yes	No	2010 EPA/carb emission certification 2008 carb emission certificate-clean idle (include 6x4 inch label on lower forward corner of driver door)
Yes	No	Engine mounted oil check and fill Side of hood air intake with firewall mounted Donaldson air cleaner
Yes	No	Dr 12V 160 amp 28-si Quadra mount pad alternator with remote battery volt sense
Yes	No	Two alliance model 1231, group 31, 12 volt maintenance free 2250 CCA threaded stud batteries
Yes	No	Battery box frame mounted LH battery box mounted as far aft as possible, no greater than 60 inches Back of cab
Yes	No	Cummins 18.7 CFM air compressor with internal safety valve
Yes	No	Electronic engine integral shutdown protection system
Yes	No	RH curved vertical tailpipe b-pillar mounted routed from step

Yes	No	6 gallon diesel exhaust fluid tank
Yes	No	LH medium duty standard diesel exhaust fluid tank location
Yes	No	Standard diesel exhaust fluid tank cap
Yes	No	Aluminum aftertreatment device/muffler/tailpipe shields
Yes	No	Horton drivemaster on/off fan drive
Yes	No	Automatic Fan control without dash switch, non engine mounted
Yes	No	Cummins spin on fuel filter
Yes	No	Combination full flow/bypass oil filter
Yes	No	1300 square inch aluminum radiator
Yes	No	Antifreeze to-34F, noat extended life coolant
Yes	No	Gates blue stripe coolant hoses or equivalent
Yes	No	Constant tension hose clamps for coolant hoses
Yes	No	Radiator drain valve
Yes	No	1350 adapter flange for front pto provision
Yes	No	Electric grid air intake warmer
Yes	No	Delco 12V 38mt hd starter with integrated magnetic switch
Yes	No	Wtec calibratin-6 speed with lbss, rds (package 114) Vehicle interface wiring with body builder connector mounted back cab
Yes	No	(2) customer installed Chelsea 277 series pto's Magnetic plugs, engine drain, transmission drain, axles fill and drain
Yes	No	Push button electronic shift control, dash mounted
Yes	No	Transmission prognostics-enabled
Yes	No	Water to oil transmission cooler, in radiator end tank
Yes	No	Transmission oil check and fill with electronic oil level check

Yes	No	Synthetic transmission fluid (tes-295 compliant)
Yes	No	AF-20.0-5 20,000# FL1 71.0 KPI/3.74 drop single front axle Meritor 16.5x6q+ cast spider cam front brakes, double anchor, fabricated Shoes
Yes	No	Non-asbestos front brake lining
Yes	No	Conmet cast iron front brake drums
Yes	No	Front brake dust shields
Yes	No	Skf scotseal plus xl front oil seals
Yes	No	Vented front hub caps with window, center and side plugs-oil
Yes	No	Meritor automatic front slack adjusters
Yes	No	4 quart pwer steering reservoir
Yes	No	20,000# taperleaf front suspension
Yes	No	Front shock absorbers
Yes	No	RS-23-160 23,000# R-series single rear axle
Yes	No	5.63 Rear axle ratio MXL 17T Meritor extended lube main driveline with half round yokes Meritor 16.5x7 Q+ cast spider cam rear brakes double anchor, fabricated shoes
Yes	No	Brake cams and chambers on rear side of drive axles
Yes	No	Conmet cast iron rear brake drums
Yes	No	Rear brake dust shields
Yes	No	SKF scotseal plus xl rear oil seals Haldex goldseal longstroke 1-drive axle spring parking chambers
Yes	No	Meritor automatic rear slack adjusters
Yes	No	Organic sae 80/90 rear axle lube
Yes	No	30,000# flat leaf spring rear suspension with radius rod

Yes	No	Spring suspension-1.00" axle spacer
Yes	No	Wabco 4s/4m abs without traction control
Yes	No	Reinforced nylon, fabric braid and wire braid chassis air lines
Yes	No	Fiber braid parking brake hose Relay valve with 5-8 PSI crack pressure, no rear proportioning valve
Yes	No	BW ad-ip brake line air dryer with heater Air dryer mounted outboard on rh rail back of cab, maximum 20 inches Back of cab protrusion (1) 12 inch steel air tank mounted above frame back of cab, 20 inches Maximum back of cab protrusion
Yes	No	Pull cable on wet tank, petcock drain valves n all other air tanks
Yes	No	7/16x3-9/16x11-1/8 inch steel frame (11.1mmx282.6mm/0.437x11.13 Inch) 120ksi
Yes	No	¼ inch (6mm) c-channel inner frame reinforcement
Yes	No	Clear frame rails from back of cab to front rear suspension bracket, both Rails outboard
Yes	No	Grade 8 threaded hex headed frame fasteners installed with bolt heads on Outside of frame
Yes	No	90 gallon/340 liter aluminum fuel tank-lh
Yes	No	25 inch diameter fuel tank
Yes	No	Plain aluminum/painted steel fuel/hydraulic tanks with painted bands
Yes	No	Fuel tanks forward
Yes	No	Plain step finish
Yes	No	Fuel tank cap
Yes	No	Alliance fuel filter/water separator with primer pump
Yes	No	Equipflo inboard fuel system

Yes	No	Auxiliary fuel supply and return ports located on lh fuel tank
Yes	No	High temperature reinforced nylon fuel line
Yes	No	Fuel cooler
Yes	No	Goodyear G296 MSA 425/65R22.5 20 ply radial front tires
Yes	No	1 Front spare wheel and tire
Yes	No	Goodyear G182 RSD 11R22.5 14 ply radial rear tires
Yes	No	1 Rear spare and tire
Yes	No	Conmet pre-set bearing iron front hubs
Yes	No	Conmet pre-set bearing iron rear hubs
Yes	No	Hayes Lemmerz 10035 22.5x12.25 10-hub pilot 4.75 inset 5-hand steel disc front wheels
Yes	No	Hayes Lemmerz 90541 22.5x8.25 10-hub pilot 2-hand steel disc rear wheels
Yes	No	114 inch bbc flat roof aluminum conventional cab
Yes	No	Air cab mounts
Yes	No	Nonremovable bugscreen mounted behind grille
Yes	No	3-1/2 inch fender extensions
Yes	No	LH and RH grab handles
Yes	No	Stationary black grille
Yes	No	Black hood mounted air intake grille
Yes	No	Fiberglass hood
Yes	No	Single 14 inch round Hadley air horn under LH Deck
Yes	No	Dual Electric Horns
Yes	No	Single horn shield

Yes	No	Door locks and ignition switch keyed the same with 4 keys
Yes	No	Rear license plate mount end of frame
Yes	No	Halogen composite headlamps with black bezels
Yes	No	5 amber marker lights
Yes	No	Daytime running lights
Yes	No	Integral stop/tail/backup lights with 7 feet additional wire at chassis end of frame
Yes	No	Standard front turn signal lamps
Yes	No	Dual west coast molded-in color mirrors
Yes	No	Door mounted mirrors
Yes	No	102 inch equipment width
Yes	No	LH and RH 8" molded-in color convex mirrors mounted under primary mirrors
Yes	No	Standard side/rear reflectors
Yes	No	63x14 inch tinted rear window
Yes	No	Tinted door glass LH and RH with tinted non-operating wing windows
Yes	No	Manual door window regulators
Yes	No	Tinted windshield
Yes	No	8 liter windshield washer reservoir, cab mounted, without fluid level indicator
Yes	No	Opal gray vinyl interior
Yes	No	Molded plastic door panels
Yes	NO	Black mats with single insulation
Yes	No	Forward roof mounted console with upper storage compartments without netting
Yes	No	In dash storage bin

Yes	No	2 cup holders LH and RH dash
Yes	No	Gray/charcoal flat dash
Yes	No	Heater, defroster and air conditioner
Yes	No	Standard HVAC ducting
Yes	No	Main HVAC controls with recirculation switch
Yes	No	Standard heater plumbing
Yes	No	Main HVAC controls with recirculation switch
Yes	No	Standard heater plumbing
Yes	No	Denso heavy duty air conditioner compressor
Yes	No	Binary control, R-134A
Yes	No	Cab insulation
Yes	No	Solid-state circuit protection and fuses
Yes	No	12V negative ground electrical system
Yes	No	Dome light with 3-way switch activated by LH and RH doors
Yes	No	Cab door latches with manual door locks
Yes	No	(1) 12 volt power supply in dash
Yes	No	Bostrom T910 high back air suspension driver seat
Yes	No	High back non suspension passenger seat
Yes	No	LH and RH integral door panel armrests
Yes	No	Vinyl with vinyl insert seats
Yes	No	3 point fixed D-ring retractor driver and passenger seat belts
Yes	No	Tilt steering column
Yes	No	4-spoke 18 inch (450mm) steering wheel



Yes	No	Driver and passenger interior sun visors
Yes	No	Gray instrument panels
Yes	No	Engine remote interface with park brake and neutral interlocks
Yes	No	Black gauge bezels
Yes	No	Low air pressure light and buzzer
Yes	No	2 inch primary and secondary air pressure gauges
Yes	No	Intake mounted air restriction indicator with graduations
Yes	No	Electronic cruise control with switches in LH switch panel
Yes	No	Key operated ignition switch and integral start position; 4 Position off/run/start/accessory
Yes	No	Odometer/trip/hour/diagnostic/voltage display: 1x7 character, 26 warning lamps, data linked, ICU3
Yes	No	Diagnostic interface connector, 9 pin, Sae J1939, located below dash
Yes	No	2 inch electric fuel gauge
Yes	No	Engine remote interface with increment/decrement
Yes	No	Engine remote interface connector in engine compartment
Yes	No	Electrical engine coolant temperature gauge
Yes	No	2 inch transmission oil temperature gauge
Yes	No	Engine and trip hour meters integral within driver display
Yes	No	Electric engine oil pressure gauge
Yes	No	Dash mounted AM/FM/WB radio with front auxiliary input
Yes	No	(2) radio speakers in cab
Yes	No	AM/FM antenna mounted on forward LH roof
Yes	No	Electronic mph speedometer with secondary KPH scale, without odometer

Yes	No	Electronic 3000 RPM tachometer
Yes	No	Ignition switch controlled engine stop with control mounted at firewall
Yes	No	Digital voltage display integral with driver display
Yes	No	Single electric windshield wiper motor with delay
Yes	No	Marker light switch integral with headlight switch
Yes	No	One valve parking brake system with warning indicator
Yes	No	Self canceling turn signal switch with dimmer, washer/wiper and hazard in handle
Yes	No	Integral electronic turn signal flasher with hazard lamps overriding stop lamps
Yes	No	Cab color A: 43547EA winter white elite SS
Yes	No	Black, high solids polyurethane chassis paint
Yes	No	Vendor white front wheels/rims (PW, TKWHT21, W, TW)
Yes	No	Vendor white rear wheels/rims (PW, TKWHT21, W, TW)
Yes	No	Extended Warranty
Yes	No	Towing extended/roadside service warranty, 1 year/unlimited miles/KM

Must include at least one (1) set of parts and service manuals.

## Specifications

### Sewer Cleaning Unit

The machine should be capable of removing stones, grit, grease, sludge and other debris from sanitary sewer and storm drain lines by the flushing action of high-pressure water. The high-pressure sewer cleaner should operate independent of the vacuum system. The machine should include an air conveying vacuum system and should be 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 9 cubic yards. The debris body shall be round for maximum strength and constructed of 3/16 inch ASTM A242 Corten A steel for enhanced corrosion resistance.

The rear door shall be dished and flanged for maximum strength, full opening, hinged at the top with low profile and adjustable style hinges maintaining a 11 FT 10 inch overall height. There shall be a 5" diameter liquid drain valve. "knife valve type" and screen weldment inside for removing excess liquids. Drain will have 10 feet of 6 inch lay flat hose. The rear door shall be supplied with a debris deflector shield located inside the debris tank that encompasses 75 percent of the rear door. The debris deflector shield shall deflect material from rear door, and aid in draining off excess liquids. Hydraulically opening and latching rear debris tank door. A rear door safety prop shall be provided, there shall be no hydraulic components located inside the debris body or rear door. Dual steel weldments with stainless steel screen 8"x28" each providing up to 1200 square inches of added filtration for the vacuum system shall be provided inside the debris tank. These weldments shall be removable and require no cutting or welding. A double acting power up/power down hydraulic scissors lift mechanism will be provided to raise body to minimum 60 degree angle. The scissors lift mechanism shall be designed to support a minimum of 24 inches of the debris tank width to provide stability and when dumping on uneven ground. The lift capacity of hydraulic scissors lift cylinder is 56,000 lbs. 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. If provided so state: \_\_\_\_\_ An internal polyethylene float device with external indicator is supplied to show when body is loaded to capacity.

**Automatic Vacuum Breaker**

Yes    No    The automatic vacuum breaker assembly is located inside the body. The automatic vacuum breaker assembly shall be controlled by an electric over hydraulic circuit. The entire system shall be replaceable via a bolt on assembly. The assembly shall consist of a 12" inlet and two 8" ports that provide air flow to the vacuum system. A full indication activates an automatic vacuum breaker shut down system that completely shuts down 100 percent of the airflow to the vacuum system to prevent overfilling and wastewater discharge in the atmosphere. It should be automatically activated (closed) when the parking brake system is release to eliminate carryover during transit. The system is controlled/activated, at the front hose reel control station. This enables the operator to pick up large debris with boom and place debris on the road surface. This system can be used for safety in the event suction must be shut off in case if an emergency.

**Positive Displacement Blower**

Yes    No    A lobe type positive displacement blower shall be provided capable of 5197 CFM's and 18" of Hg. With cyclone separator. Control of the blower regarding start, stop and the rate of vacuum suction is performed from the front of the truck. A vacuum suction breaker disconnect switch is provide to enable operator to pick up large debris with boom and place debris on road surface. The vacuum system shall operate independent of the high-pressure water system. The compressor is driven by the chassis engine via a closed loop hydrostatic system using a variable high volume piston pump and motor. The high volume displacement pump shall provide the same vacuum performance at 30% lower engine rpm. The lower operating rpm shall reduce fuel consumption by as much as 40%. This system shall include a heat exchanger for extreme ambient conditions and to maintain the pump suction oil temp at 160 deg. F. max. the heat exchanger shall be protected by a 30-micron filter and cold weather by pass valve. Hydrostatic loop filtration shall be accomplished by a 10 Beta micron return filter and a 10 –micron Absolute (no bypass) charge filter. The blower should be protected by (2) 3" diameter vacuum relief valves. The system incorporates an air/water separator and a sound silencer to separate material before it enters blower and to ensure quite operation. A means of starting, stopping and varying the vacuum suction from operator station at the front of the machine is provided. The blower is mounted on a frame independent of the water tank and must be capable of vacuuming under water without air induction. A manometer/vacuum test may be required to demonstrate the system performance. A 12-month 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" vacuum pick up hose will be mounted on a boom that will provide a minimum of 18' vertical lift utilizing dual hydraulic cylinder and 230 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 shall hydraulically telescope a minimum of 10 ft. forward from the operators station. The height of the boom shall not change while the boom is being telescoped. In case of a system failure a manual override system shall be provided for right/left, and up/down functions. The boom is controlled by 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 and Debris Body functions. A manual override system shall be provided for right/left, and up/down functions in case of system failure. A boom coverage chart shall be provided stating the square feet the boom covers. 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
  - (1) 4' Aluminum pipe
  - (1) Spare quick clamps

### **Water Supply**

- Yes    No    The water tanks shall have a minimum usable capacity of 1000 U.S. gallons. To eliminate rust, corrosion and stress cracking the water tanks shall be constructed of non-corrosive, non-metallic, durable, cross-linked polyethylene to eliminate rust, corrosion, and stress cracking. They should be mounted at and below the truck frame level to provide a low center of gravity for truck stability. A 2-1/2 inch diameter x 25 foot long hydrant hose with hydrant wrench is supplied on the unit. An anti-siphon fill devise is installed on the unit. Inspection ports shall be provided to fill or to add chemicals to the water system. A sight gauge to indicate water level is located within sight of the operator station. A minimum of 11 gauge steel plating mounted below the water tanks for protection against road hazards when unit travels over the road, off the road or to land fills.

### **Auxiliary Engine (Water Pump Drive Engine)**

- Yes    No    The auxiliary engine used to drive the water pump is a liquid cooled, diesel powered, 4 cylinder heavy-duty industrial engine. The engine shall have a minimum cubic inch displacement of 275 CID and rated a 140

BHP at 2400 RPM. An electronic digital diagnostic and fault monitoring panel shall be mounted on the drivers side of the unit and be able to display various engine operation conditions including but not limited to engine faults and current fuel consumption. A standard integrated safety shutdown system will be provided in the engine ECU and will shut the engine down in the event of low oil pressure or excessive coolant temperature. The ignition system start stop switch will be located at the operator's station. The auxiliary engine shall be shrouded and have a hinged door on the driver's side of the unit. The engine oil dipstick, oil filter, fuel filters, and air filters are accessed from the ground level on the driver's side of the unit.

### **High-Pressure Water Pump**

Yes	No	The high pressure water pump 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 80 g.p.m. and 2000 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 is powered by the auxiliary engine via clutchless, direct dual powerband drive system. 5 year replacement warranty on the high-pressure water pump drive system. The water pump should be capable of running dry. 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. .Should be equipped with a cold weather drain valve., which the allows the operator to completely drain the high-pressure pump.
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### **Hose Reel Assembly**

Yes	No	The hose reel assembly should be mounted on the front of the vehicle. The hose reel is hydraulically powered in both directions by means of a double chain and sprocket drive. The controls for operating the motor must have a flow control device to regulate the rotational speed of the reel in both directions. All hydraulic hoses should be behind a steel housing to protect operator from hydraulic oil if a hose fails. The hydraulic motor, chain, and sprockets must have a protective cover or are mounted on the radiator side of the hose reel for operator safety. The hose reel articulates 180 degrees to the drivers side allowing operator to work in any position through this arc. This provides greater flexibility in truck placement for manholes located in tough areas and provides greater safety to the operator. Reel should extend beyond the width of unit for greater flexibility for positioning reel over offset manholes, catch basins, etc. A hydraulically controlled outrigger leg is supplied that comes in contact with the ground at any one position. A warning light should be located in
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the cab to warn the operator that the outrigger leg is not in its transported position prior to moving the unit. A manual bypass system for the hose reel assembly is provide to manually pull the reel assembly away from its transported position. This feature allows operator to check fluids with starting engines.

### **Jet Hose**

Yes No 500' x 1" jet rodder hose will be supplied rated for 2500 psi working 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: Chisel head penetrator, standard sanitary.  
(1) 70 gpm aluminum storm nozzle  
(1) storm nozzle pipe assembly (skid)

### **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 600 p.s.i. shall be provided for ease of operation. A hand gun pressure relief valve set at 600 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 ½" 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 The hydraulic system has a 55-gallon capacity and shall incorporate hydraulic pressure relief valves and pressure gauges for ease of trouble shooting and maintenance. The unit should be equipped on the passenger side, mid-section of the module, a permanent weatherproof white vinyl lubrication chart that points out lubrication pints on the module and specifies what type of lubrication and hydraulic fluids are required. The chart also specifies the frequency of each lubrication point. Should provide remote plumbed grease fittings should be 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.  
(2) 35" x 14" x 24" side mounted tool boxes  
(1) Rear mounted hydraulic pump off system, 400 gpm w/20' lay flat hose  
(1) Heavy reinforced elbow "wear back"

- (1) Rubber pad on standard deflector
- (1) Winter recirculating system capable of operating through the full flow range of the high-pressure rodder hose system in transport or stopped position.
- (1) Winter recirculating connection for high pressure circuit.
- (1) Air purge system
- (1) 2 1/2" water tank drain gate valve assembly
- (1) Lazy susan style, deck mounted pipe rack, holds 5 pipes
- (4) Extra side steps
- (1) Storage box behind cab, 16"x42"x96"
- (1) Vacuum breaker override switch (vacuum & drive)
- (1) 6-way pendant control station
- (1) Back up alarm
- (1) Hand gun bracket assembly
- (1) Hydroexcavation package: 50' retractable handgun hose reel with 50' of 1/2" of high pressure hose, HP/Quick disconnect, heavy duty HP unloader valve, main control ball valve, 48"x1/2" stainless steel lance with adjustable grip and horizontal spray
- (1) Hose footage counter, standard-drivers side
- (1) Rear mounted tow hooks
- (1) Auxiliary engine remote oil drain
- (1) Dual roller level wind guide single
- (1) Nozzle rack

### Lighting

- |     |    |  |
|-----|----|--|
| Yes | No | <p>To eliminate moisture damage the entire module electrical system should be vapor sealed. All wiring is color-coded, labeled and run in sealed terminal enclosures. All module circuits are protected by circuit breakers. Clearance lights and reflectors are furnished in accordance with D.O.T. requirements.</p> <ul style="list-style-type: none"> <li>(1) 4 LED strobes-(2) front bumper, (2) rear bumper</li> <li>(1) LED arrow board, rear debris tank door mounted</li> <li>(1) Hand held spot light</li> <li>(1) Boom mounted flood lights</li> <li>(1) Flood light-level wind guide area</li> <li>(3) Limb guards for flood lights</li> </ul> <p>Tool box LED lights switched to come on when doors are opened.</p> |
|-----|----|--|

### Paint

- |     |    |  |
|-----|----|--|
| Yes | No | <p>Unit paint surface is shot blasted, primed and sand prior to paint. Unit to be painted with DuPont Imron 5000 polyurethane Paint. Unit shall have reflective white or blue and the chassis shall be painted manufacturers standard white.</p> |
|-----|----|--|

### Training and Manuals



Yes    No    Operator training will be conducted by a factory-trained representative for a minimum of one day at the time of delivery. Two (2) copies of the operating and maintenance manual for the sewer cleaner module shall be provided upon unit delivery. An operational video will be provided with the unit.

**Mounting and Delivery**

Yes    No    The unit described will be mounted on a truck chassis acceptable to the body manufacturer at the factory of the body manufacturer.

**Exceptions and deviations:**

Bidder shall fully explain every variance, exception, and or deviation to the bid specifications. Additional sheets/ lines may be added if required.

Vendor Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Fax# \_\_\_\_\_ E-mail \_\_\_\_\_

Prices Good: \_\_\_\_\_

Date Submitted: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

ITEM	BRAND	BID PRICE
2015 114SD 4x3 Conventional Chassis		
Sewer Cleaning Unit		
Total Bid Amount		

Bid results will be posted after 48 hours on the City of Rochester's web site:  
[www.rochesternh.net](http://www.rochesternh.net) or will be available by request via e-mail at the following address:  
[purchasing@rochesternh.net](mailto:purchasing@rochesternh.net)

**INSTRUCTION TO BIDDERS**

**PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink 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 name and post office address must be shown, by a partnership the name and post office address of 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.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all prospective bidders.

**IRREGULAR PROPOSALS**

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

**DELIVERY OF BID PROPOSALS**

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. 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. Emailed or faxed bid proposals are not acceptable.

**WITHDRAWAL OF BID PROPOSALS**

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

**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.

**DISQUALIFICATION OF BIDDERS**

Either of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of her/his bid proposal(s):

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

**CONSIDERATION OF PROPOSALS**

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.
3. Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.

**AWARD OF CONTRACT**

The City holds the right, in its judgment, to award the contract to the bidder, which it feels is in the best interest of the City. If a contract is to be awarded, the Contractor/Vendor selection shall be based in part on possession of the necessary experience, organization, technical and professional qualifications, skills and facilities, reference checks, project understanding, approach, ability to comply with proposed or required time to completion or performance, licensing or certification, in good standing with Federal, State and Local agencies, possession of satisfactory record of performance, cost and to a responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder will be notified, by the form mailed to the address on his proposal, that his bid has been accepted and that he has been awarded the contract.

**CANCELLATION OF AWARD**

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability against the City.

### **BID EVALUATION**

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. The bidder's ability, capacity, and skill to perform within the specified time limits.
2. The bidder's experience, reputation, efficiency, judgment, and integrity.
3. The quality, availability and adaptability of the supplies and materials sold.
4. The bidder's past performance.
5. The sufficiency of bidder's financial resources to fulfill the contract.
6. The bidder's ability to provide future maintenance and/or services.
7. Any other applicable factors as the City determines necessary and appropriate (such as compatibility with existing equipment).

### **CONDITIONS AT SITE**

Bidders shall be responsible for having ascertained pertinent local conditions, such as: location, accessibility and general character of the site of the building. The character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of the submission of her/his bid.

### **LAWS, PERMITS AND REGULATIONS**

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes.
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, she/he shall promptly notify the City of Rochester in writing.

### **STANDARDS**

1. Materials specified by reference to the number, symbol or title of a specific standard, such as a Commercial Standard, a Federal Specification, Department's Standard Specifications, a trade association standard or other similar standard. Shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of advertisement, except as limited to type, class or grade or modified in such reference.
2. Reference in the Specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number shall be interpreted as

establishing a standard of quality and shall not be construed as limiting competition. In such cases the Contractor may, at his option, use any articles, device, product, material fixture, form or type of construction that, in the judgment of the City expressed in writing to all Bidders before opening of bids as an addendum, is an acceptable substitute to the specified.

3. Substitution During Bid Time: Whenever any particular brand or make of material or apparatus is called for in the Specifications, a Bidder's Proposal must be based upon such material or apparatus, or upon a brand or make which has been specifically approved as a substitution in an Addendum issued to all Bidders during the bidding time.
4. The intent is that the brand or make of material or apparatus that is called for herein establishes a standard of excellence that, in the opinion of the Consultant and Engineer, is necessary for this particular Project.
5. Substitution After Bid Opening: No substitutions will be considered after bids have been opened unless necessary due to strikes, lockouts, bankruptcy or discontinuance of manufacture, etceteras. In such cases, the Contractor shall apply to the City, in writing within ten (10) days of his realizing his inability to furnish the article specified, describing completely the substitution he desires to make.

## **EXTRAS**

Except as otherwise herein provided, no charge for any extra work or material will be allowed unless the Director of Public Works has ordered the same, in writing.

## **GUARANTEE OF WORK**

1. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the Date of Final Acceptance.
2. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.
3. In any case, wherein fulfilling the requirements of the Contract or of any guarantee, should the Contractor disturb any work guaranteed under another contract, the Contractor shall restore such disturbed work to a condition satisfactory to the Director of Public Works. And guarantee such restored work to the same extent as it was guaranteed under such other contracts.
4. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the City of Rochester may have the defects corrected and the Contractor shall be liable for all expense incurred.
5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specifications or other papers forming a part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

## **DEFAULT AND TERMINATION OF CONTRACT**

If the Contractor:

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workers and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within a reasonable time after notice to do so; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in the City's opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

#### **OBTAINING BID RESULTS**

Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.