

**SCARBOROUGH
MAINE**



INVITATION TO BID 052024
Return this bid to:
ITB 052024 PW Catch Basin
PO Box 360
259 US Route One
Scarborough ME 04070-0360

THIS IS NOT AN ORDER

DATE ITB ISSUED: 08/10/23

**1 (ONE) TRUCK MOUNTED COMBINATION HIGH-PRESSURE JET/VACUUM MACHINE
FOR DEPARTMENT OF PUBLIC WORKS**

SEALED BIDS MUST BE SUBMITTED TO THE PURCHASING AGENT, TOWN CLERK'S OFFICE, OR DELIVERED TO THE OPENING LOCATION AND MUST BE TIME AND DATE STAMPED BY THE PURCHASING AGENT OR HIS DESIGNEE PRIOR TO THE BID OPENING ON AUGUST 31, 2023 AT 10:00AM.

THIS WILL NOT BE A PUBLIC BID OPENING.

F.O.B. POINT IF MAILED: FINAL DESTINATION

EMAILED AND/OR FAXED BIDS WILL NOT BE ACCEPTED.

LATE BIDS WILL NOT BE ACCEPTED.

ALL QUESTIONS REGARDING THIS ITB SHOULD BE DIRECTED IN WRITING TO KIM MORRISON, PURCHASING SPECIALIST, AT (207) 730 4088 (FAX) OR KMORRISON@SCARBOROUGHMAINE.ORG..

THE PREFERRED METHOD IS VIA EMAIL.

IMPORTANT NOTICE: IF YOU RECEIVED THIS SOLICITATION FROM THE TOWN'S WEB SITE, YOU MUST REGISTER WITH THE PURCHASING OFFICE TO RECEIVE SUBSEQUENT AMENDMENTS.

INSTRUCTIONS TO BIDDERS

CONTRACT INTENT: This Invitation to Bid (ITB) is intended to result in the purchase of One (1) Truck Mounted Combination High-Pressure Jet/Vacuum as specified for the Department of Public Works.

NOTICE OF INTENT TO AWARD: After the responses to this ITB have been opened and evaluated, a tabulation of the bids will be prepared. It lists the name of each company or person that offered a bid and the price they bid. It may also provide notice of the Town's intent to award a contract(s) to the bidder(s) indicated. A copy of the Bid Tabulation will be mailed to each company or person who responded to the ITB. Bidders identified for award are not to proceed until a Purchase Order, Contract Award, Lease, or some other form of written notice is given by the Purchasing Agent. A company or person who proceeds prior to receiving a Purchase Order, Contract Award, Lease, or some other form of written notice from the Purchasing Agent does so without a contract and at their own risk.

PAYMENT FOR TOWN PURCHASES: Payment for agreements for the undisputed purchase of goods or services provided to the Town, will be made within 30 days of the receipt of a proper billing or the delivery of the goods or services to the location(s) specified in the agreement, whichever is later.

FEDERAL EXCISE TAX: The Town is exempt from all Federal Excise Tax.

STATE SALES TAX: The Town is exempt from all State of Maine Sales Tax.

SHIPPING DAMAGE: The Town will not accept or pay for damaged goods. The contractor must file all claims against the carrier(s) for damages incurred to items in transit from the point of origin to the ultimate destination within the Town of Scarborough. The Town will provide the contractor with written notice when damaged goods are received. The Town may choose to deduct the cost of the damaged goods from the invoice prior to payment. The contractor must file all claims against the carrier(s) for reimbursement of the loss.

INDEMNIFICATION: The contractor shall indemnify, hold harmless, and defend the Town from and against any claim of, or liability for error, omission or negligent act of the contractor under this agreement. The contractor shall not be required to indemnify the Town for a claim of, or liability for, the independent negligence of the Town. If there is a claim of, or liability for, the joint negligent error or omission of the contractor and the independent negligence of the Town, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Town", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Town's selection, administration, monitoring, or controlling of the contractor and in approving or accepting the contractor's work.

INSURANCE: Without limiting contractor's indemnification, it is agreed that contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are

shown, it is understood that they shall be the minimum acceptable limits. If the contractor's policy contains higher limits, the Town shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance and copies of the actual policies must be furnished to the Purchasing Agent prior to beginning work and must provide for a 30-day prior notice of cancellation, non-renewal or material change of conditions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the contractor's services.

Proof of insurance is required for the following:

The contractor shall furnish proof of adequate insurance coverage of the types, and to the limits, specified below. Certificates of such insurance and copies of the actual policies shall be filed with the Purchasing Agent within five (5) days following notification of the Bid Award.

WORKERS COMPENSATION:

The Contractor shall purchase and maintain during the life of this Contract Workers Compensation Insurance for all employees employed in the course of performing services under this Contract as awarded pursuant to these Specifications; and in case any work is sublet, the Contractor shall require the Sub-Contractor to similarly provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded the Contractor. All coverage shall be in accordance with State of Maine laws in effect and the requirements of the Workers Compensation Board.

LIABILITY INSURANCE:

The Contractor shall carry and maintain, until final written acceptance of the work by the town, insurance as specified below and in such form as shall protect the Town of Scarborough and its employees and officials from all claims and liability for damages and bodily injury including accidental death and for property damage which may arise from operations under this Contract. Except as otherwise stated, the amounts of such insurance shall be for each policy not less than:

1. For liability, for bodily injury, including accidental death \$400,000 on account of one occurrence and \$400,000 aggregate limit.
2. For liability for property damage \$400,000 on account of any one occurrence and \$400,000 aggregate limit.
3. All policies shall be so written that the Purchasing Agent's office of the Town of Scarborough will be notified of cancellation or restrictive amendment at least thirty (30) days prior to the effective date of such cancellation or amendment. Certificates of Insurance and copies of actual policies from the Contractor's

insurance carrier shall be filed with the Town before operations may begin. Certificates shall make no claims against the Town of Scarborough or its officers for any injury to any of his officers or employees for damage to his trucks or equipment arising out of work contemplated by this Contract.

AUTOMOTIVE LIABILITY INSURANCE:

Automotive Liability Insurance with a minimum limit of liability for bodily injury, property damage or death in the amount of \$400,000 for each occurrence and minimum liability for property damage in the amount of \$50,000/\$100,000 aggregate.

Failure to supply satisfactory proof of insurance within the time required will cause the Town to declare the bidder non-responsive and to reject the bid.

BRAND AND MODEL OFFERED: Specifications may contain certain brand names that may or may not be proprietary. Bidders are encouraged to propose their company's approved alternate to such items and list them accordingly. The Town will **not** disqualify a bid if it offers items not specific but meet minimum requirements to the Town's Bid Specifications.

ANNOTATED LITERATURE: Bidders must annotate their product literature to identify for the Town the location of the supporting information regarding each product specification set out in this ITB.

SUPPORTING INFORMATION: The Town strongly desires that bidders submit all required technical, specification, and other supporting information with their bid, so that a detailed analysis and determination can be made, by the Purchasing Agent that the product offered meets the ITB specifications and that other requirements of the ITB have been met. However, provided a bid meets the requirements for a definite, firm, unqualified, and unconditional offer, the Town reserves the right to request supplemental information from the bidder, after the bids have been opened, to ensure that the products offered completely meet the ITB requirements. The requirement for such supplemental information will be at the reasonable discretion of the Town and may include the requirement that a bidder will provide a sample product(s) so that the Town can make a first-hand examination and determination.

FIRM, UNQUALIFIED AND UNCONDITIONAL OFFER: Bidders must provide enough information with their bid to constitute a definite, firm, unqualified and unconditional offer. To be responsive a bid must constitute a definite, firm, unqualified and unconditional offer to meet all of the material terms of the ITB. Material terms are those that could affect the price, quantity, quality, or delivery. Also included as material terms are those which are clearly identified in the ITB and which, for reasons of policy, must be complied with at risk of bid rejection for non-responsiveness.

NEW EQUIPMENT: Equipment offered in response to this ITB must be new equipment. New equipment means equipment that is currently in production by the manufacturer and is still the latest model, edition or version generally offered. The equipment must be warranted as new by the manufacturer and may not have been used for any purpose, other than display (not

demonstration), prior to its sale to the Town. The Town will not accept remanufactured, used, or reconditioned equipment. It is the contractor's responsibility to ensure that each piece of equipment delivered to the Town complies with this requirement. A contractor's failure to comply with this requirement will cause the Town to seek remedies under breach of contract.

The Equipment offered must have been for sale to the general public for a period of not less than five years.

ACCESSORIES: When accessories are supplied, they must be certified to be compatible with the rest of the equipment. Certification will be written evidence satisfactory to the Town that the accessories are compatible. The bidder's failure to supply this evidence within the time required by the Town will cause the Town to consider the bid non-responsive and reject the bid.

INSPECTION: Equipment offered will be subject to inspection and approval by the Town prior to payment. The equipment and attachments must be in good repair and capable of performing the work for which they were designed.

ALTERATIONS: The awarded bidder must obtain the written approval from the Purchasing Agent prior to making any alterations to the agreed upon specifications (post-award) contained in this ITB or subsequent Contract. The Town will not pay for alterations that are not approved in advance and in writing by the Town.

DISCONTINUED ITEMS: In the event an item is discontinued by the manufacturer during the life of the contract, another item may be substituted, provided that the Purchasing Agent makes a written determination that it is equal to or better than the discontinued item and provided that it is sold at the same price or less than the discontinued item.

ITEM UPGRADES: The Town reserves the right to accept upgrades to models on the basic contract when the upgrades improve the way the equipment operates or improve the accuracy of the equipment. Such upgraded items must be at the same price as the items in the basic contract.

DELIVERY: Indicate, in the space provided under "Bid Schedule", the time required to make delivery after the receipt of an order.

F.O.B. POINT: The F.O.B. point for all items purchased under this bid is the final destination within the Town of Scarborough. ***Ownership of and title to the ordered items remains with the contractor until the items have been delivered to their final destination and are accepted by the Town.***

PARTS BOOKS AND MAINTENANCE MANUALS: Parts books and maintenance manuals must be provided at the same time that the equipment is delivered, preferably in Electronic Version (CD, PDF, etc.). The cost of the parts books and maintenance manuals is to be included in the bid price of the equipment.

CONTINUING OBLIGATION OF CONTRACTOR: Regardless of the terms and conditions of any third-party financing agreement, the contractor agrees that none of its responsibilities under this contract are transferable and that the contractor alone will continue to be solely responsible until the expiration date of the contract. Such responsibilities include, but are not limited to, the provision of equipment, training, warranty service, maintenance, parts and the provision of consumable supplies. By signature on this ITB the bidder acknowledges this requirement and indicates unconditional acceptance of this continuing obligation clause.

WORKMANSHIP & MATERIALS: All work must be performed in a thorough and workmanlike manner and in accordance with current industry practices. The contractor will be held responsible for the quality of the finished item. The Town will reject any item that does not meet the agreed upon specifications of the ITB (post award). Rejected items will be returned to the contractor at the contractor's risk and expense.

BID SUBMISSION: At or before the appointed date and time, all bidders **must** submit a completed Specifications Form and completed Bid Form. Although not required, bidders are encouraged to submit additional supporting information that may assist the Town in evaluating the bid and compliance with the technical specifications.

ADDITIONAL INFORMATION: Bidders are encouraged to provide additional supplementary information with their bid if it serves to clarify the bid submission and assists the Town in the evaluation of the bids. In particular, this may assist the Town in determining the equivalency of alternative bid items.

METHOD OF AWARD: Award will be made to the lowest responsive and responsible bidder as noted below (**EVALUATION CRITERIA**). The Town of Scarborough reserves the right to accept or reject any or all bids should it be deemed in the best interest of the Town, waive any minor discrepancies or technicalities and the right to inspect the equipment prior to delivery.

EVALUATION CRITERIA: The Town intends to evaluate each bid based on the following specifications. The bid which meets these specifications best will be the lowest, most responsive bid. Alternate proposals to the specifications listed below should be noted so that the Town may make a fair assessment of the bid. **ALTERNATE SPECIFICATIONS WHICH ARE CLEARLY STATED WILL NOT DISQUALIFY A BIDDER.**

INVOICES: Invoices must be sent directly to the Town address shown on the individual Purchase Order, Contract Award or Delivery Order. Payment schedule will be determined with the winning bidder. Questions concerning payment must be addressed to the Town of Scarborough's Accounts Payable Department.

CONTRACT CANCELLATION: The Town reserves the right to cancel the contract at its convenience by giving written notice to the contractor. The Town is liable only for payment in accordance with the payment provisions of this contract for services or supplies provided before the effective date of termination.

The Town of Scarborough reserves the right to accept or reject any and all bids when it is deemed in the best interest of the Town.

ADDITIONAL INFORMATION:

ALL inquiries or requests concerning this Invitation to Bid shall be made in writing and must be received before the close of business two days prior to the bid opening to the Attention of Kim Morrison, Purchasing Specialist by fax (207 730-4088) or email to kmorrison@scarboroughmaine.org. The Town is not responsible for oral interpretations given by any Town employee, representative or other.

SPECIFICATIONS

	Yes	No
I. WATER STORAGE TANKS		
1. 1,500 gallon minimum usable capacity		
2. Water storage saddle tanks mounted no lower than chassis frame rails to keep the single piston pump inlet flooded		
3. Water tanks to be made of a non-corrosive, recyclable material with a lifetime warranty against corrosion		
4. Bottom of tank protected by ¼” steel to eliminate potential puncture from road debris		
5. The total tank capacity shall be divided into 250 gallon separate self-baffling cells connecting together. Individual tanks shall be mounted at the same level to provide balanced pressurization and prevent air cavitation problems.		
6. Tank to pump suction 3” diameter shut-off valve with cast-iron 3” diameter (Y) type strainer with stainless steel filter element.		
7. Baffle tanks are connected with a 4” diameter pump hose		
8. Provide two (2) gravity drains located below water tanks to completely drain the freshwater tanks.		
9. Water tanks must raise with debris body so they completely drain all water and sediment from the tanks.		
10. One ½” diameter ball-valve located on the water tank cross-over pipe to provide an operator handwashing station.		
11. Minimum 5” air-gap on fill tube to prevent siphoning of water from storage tanks back into hydrant		
12. Clear sight level indicator tubes mounted both sides of unit.		
13. Ten-year warranty against defects in materials and workmanship.		
II. WATER PUMP		
1. Double acting, single piston hydraulic powered water pump with one-to-one oil to water ratio. It shall be driven by a flow and pressure compensating hydraulic system for reduced fuel consumption.		
2. Rated design full-capacity of GPM and 3,000 PSI continuous duty.		
3. Hydraulic pump and water pump shall be sized to produce 80 GPM at 2,500 PSI at an engine RPM of 1650 or less.		
4. Manually operated dual hydro-pneumatic nitrogen charged 2.5 lb. accumulators with on/off valve shall be provided to handle pressures from 600 - 3,000.		
5. Smart pressure sensing pump. Water pump matches need determined by flow and pressure requested by front control panel dial.		
6. Switch at control panel shall control engagement and disengagement and variable flow zero to maximum GPM, from zero to full-pressure.		
7. Pump driven hydraulically by two hydraulic pump. One powered by a transmission-mounted hot shift PTO and the second powered by the transfer case.		

8.	Pump mounted below water tanks, forward of debris tank to assure flooded inlet at all times to prevent cavitation.		
9.	Single two-way ball valve for sewer nozzle operation.		
10.	Multi-flow system dial at control panel to allow independent control of the vacuum pump and water pump.		
11.	Single dial to control water pump on/off and water pressure.		
12.	An in-line water to oil cooler shall be installed between the water tanks and the pump. The oil cooler shall not be installed within another component such as a water or oil tank.		
13.	A second air to water cooler shall be installed. This second cooler shall be installed to assist in the cooling of hydraulic fluid during low-water flow and hydro-excavation operations. The hydraulic system shall not overheat under normal operation conditions, including hydro-excavating.		
14.	For maintenance and repair, the water pump shall not require removal from the unit chassis. Pumps that require the draining of hydraulic fluid are not acceptable.		
15.	The water end can be serviced without disassembling both the water and hydraulic ends.		
16.	A minimum 40 GPM flow system will be supplied to prevent freeze up by pumping water through the system, including hose reel while driving to the job site. No electric pumps allowed.		
17.	Self contained system for purging water from jetting hose, hand gun lines, and pump to prevent freeze up. Air to be supplied by unit chassis.		
18.	A 1/2" valve shall be installed on the water pump to aid in draining, flushing out, and the prime/purging operations.		
19.	A 5-gallon antifreeze tank shall be plumbed into the water pump for winterization..		
III. VACUUM SYSTEM			
1.	Vacuum pump rotary lobe positive displacement (roots type) using two impellers rotating in opposite directions to move entrapped air around the case to the outlet port. Pump shall be rated for continuous duty.		
2.	During normal vacuuming operation the chassis RPM should not exceed 1700 RPM.		
3.	Unit shall be equipped with a high-efficiency exhaust silencer.		
4.	Vacuum pump direct shaft driven from the transfer case without the use of belts, holly chains, or intermediate hydraulic or hydrostatic systems. Power supplied from chassis engine via transfer case.		
5.	A hot shift control supplied at the front control panel to engage and disengage vacuum pump for operator safety. No need to enter truck cab.		
6.	Three automatic opening vacuum relief valves shall be provided for vacuum pumps rated less than full vacuum.		
7.	A single 14" diameter, internal stainless steel float ball supplied for automatic vacuum system shut-off when unit is full. A minimum of 113 square inches at the air exit duct to reduce air velocity and carryover.		
8.	An externally mounted, vertical cyclone separator with a 16" diameter clean-out door, mounted between the vacuum pump and the debris tank. The clean-out door must be mounted less than four feet from the ground level for operator		

	safety. The cyclone shall have a minimum 41,000 cubic inch internal operating size.		
9.	Vacuum relief vent switch located at operator station to relieve vacuum. Switch shall open a vent door via an air cylinder to relieve the vacuum without disengaging the vacuum pump.		
10.	The environment shall be protected by a single washable cartridge filter capable of containing particle sized 10 microns or larger. Cartridge filter housing shall be constructed out of 1/4" steel, 28' in diameter, and 22" in depth. The washable filter element shall be constructed of rigid polyester unitized in a stainless steel housing. Filter element shall have a total filter area of 120 square feet.		
11.	Hydraulically operated vacuum boost valve shall be supplied. The valve shall close off the air-flow through the boom, creating full-rated vacuum inside the debris tank. When opened, a velocity of air shall rush through the boom and vacuum tubes.		
12.	Vacuum pump shall produce 4500 CFM and 18" Hg.		
13.	Vacuum pump to be a Howden (roots) model 824RCS.		
14.	Filter housing shall have one single door hinged for easy access.		
IV: DEBRIS BODY - DUMP UNLOAD			
1.	Minimum volumetric capacity of 12 cubic yards.		
2.	Cylindrical shaped for strength and corrosion resistance. Flat-sided tanks prohibited.		
3.	Design to withstand 360" of water vacuum.		
4.	Debris tank to be constructed of abrasion and corrosion resistant 1/4" Exten steel.		
5.	Hydraulic powered open and close, full height and width flat rear door with self-compensating, double lipped neoprene seal located on door. Rear door to be opened and closed by two power up/down hydraulic cylinders. Doors shall hydraulically open 90 degrees to allow easy access to the debris body for clean out.		
6.	Four mechanical, wedge pin and receiver, hydraulically operated tailgate latches shall be supplied for securing the rear debris tank door. Hydraulic latching shall be accomplished by a single hydraulic cylinder with mechanical linkage, separate from the door open/close cylinders. The design of the locking system will not allow the tailgate to open if hydraulic power is lost.		
7.	Exterior mechanical liquid level gauge with stainless steel float and rod.		
8.	Internal tank manifold flushing system with 8 jets capable of full water pump GPM and PSI.		
9.	The debris inlet pipe shall be bolted to the debris tank and not require welding to replace.		
10.	The make/break connection between the debris inlet pipe and boom must compensate for uneven road and ground conditions by way of a spring loaded and gasketed mating plate.		
11.	Body shall be raised with a two-stage double-acting telescopic cylinder to enable the debris body to be powered up or down. The debris body is to have a minimum dump angle of 50 degrees.		

12.	Rear body pivot pins to be greasable for increased pin life.		
13.	Controls for latching/unlatching, opening/closing, and raising/lowering the debris body and adjust water pump flow for the body flusher must be located on the passenger side and forward of the debris tank.		
14.	Rear gravity drain shall be a minimum 6" diameter opening for decanting of liquids from the debris body and shall include a knife valve and 10 feet of drain hose.		
15.	A combined visual and audible alarm must provide an alert whenever the debris body or tailgate is being raised or lowered for safety of the operator.		
16.	Remote grease package. Boom bearing and motor grease to be delivered by way of fittings located on the passenger side of the body. Fittings to be no higher than 42" above the ground. Tailgate grease to be delivered by way of a single fitting and grease manifold.		
17.	For operator safety, one manual body safety prop mounted to chassis frame and two tailgate safety props; one on each side of unit.		
18.	The debris tank shall have a 12" deep rear splash shield installed giving 60% coverage to the entire diameter of the open debris body.		
V. HOSE REEL			
1.	The hose reel assembly shall be front-mounted at the center of the unit with 180 degree rotations fully retracted and 270 degree when extended. Manual rotation shall occur between the headlights of the truck chassis keeping the reel at a centered position at all times for operator safety.		
2.	Hose reel assembly shall rotate on a large diameter ball bearing and include a pneumatically actuated lock which will positively lock the reel in any position across its operating range.		
3.	The hose reel shall be capable of extending 18" to facilitate manhole entry and to allow tilting of chassis hood.		
4.	The hose reel shall have a minimum capacity of 1,000 feet of 1" I.D. sewer hose. Drum and flanges shall be constructed of 1/4" steel. The drum shall have a minimum of 24" diameter to prevent hose damage.		
5.	600 feet of 1" diameter plastic sewer cleaner hose supplied, with 2500 PSI working, 6250 PSI burst pressure rating minimum.		
6.	Reel shall be driven by a double-roller chain, hydraulic drive producing a minimum of 14,600 in lbs of torque and a variable speed from zero to 40 RPM.		
7.	Sewer hose footage counter shall be electronic with digital read-out and 20 footage memory storage locations.		
8.	Manually controlled level wind provided, utilizing four rollers.		
9.	A safety containment system enclosing the top half of the hose reel shall be provided, consisting of a guard constructed entirely of Lexan.		
10.	There shall be a low water alarm located at the front operator station. Alarm shall have shut off to override and silence the alarm.		
VI: POWER BOOM			
1.	The power boom shall have a minimum of 217 degree hydraulic worm gear rotation and be lockable in any position.		
2.	A boom rest for transportation and safety shall be mounted to the sub-frame.		
3.	Boom shall not raise with the debris body.		

4. The boom shall have an articulated function that provides a vertical range of motion no less than 16 feet upwards (40 degrees) and 4 feet downwards (9 degrees) from it's horizontal position.		
5. Boom shall be equipped with a heavy-duty channel reinforced elbow.		
6. The lift capacity at the boom end shall be a 1,000 lbs minimum retracted.		
7. A joystick shall be permanently mounted to the operator control station for boom fundtions: up, down, left, right, in, out.		
8. The boom shall be controlled by two options: 1) joystick at front control panel and 2) remote controlled wireless pendant.		
9. The boom vacuum pipe shall be 8" and reach a minimum of 26 feet from the centerline of the unit. Hydraulic boom extension of 8 feet shall be true telescoping tube inside of tube design.		
10. The travel storage position shall be at the right front corner of the truck bumper.		
11. The boom hose shall be removable from the steel elbow without tools or ladders to provide unobstructed operator visibility.		
12. A boom up message and alarm shall be provided in the cab for operator safety.		
VII: CONTROL CENTERS - SECTION 1: IN CAB CONTROL CENTER		
1. The in-cab control center shall include a means of selecting road mode or work mode.		
2. The in-cab control center shall include a digital display of the following: body raised, boom raised, tailgate unlocked, E-Stop active, control system status menus, and strobe and LED light controls.		
VII: CONTROL CENTERS - SECTION 2: FRONT CONTROL CENTER		
1. The operator front control center shall be located at the front of the unit.		
2. The front control center shall include a means of selecting vacuum mode and dump mode.		
3. The front control center shall include a digital display including: RPM, water PSI, hose reel payout, hose reel speed, plug in pendant, debris tank level, fuel level, water pump hour meter, vacuum level, blower speed, blower hour meter, engine oil pressure, engine temperature, chassis air pressure, and unit hydraulic temp.		
4. Single two way ball valve for jetter hose on/off.		
5. Hose reel joystick control pay in/ pay out with speed control.		
6. Boom joystick control		
7. Emergency stop button		
8. Vacuum relief control switch		
9. Vacuum boost valve control switch		
10. Reel pivot brake control button		
11. Water pump variable flow control		

12. Hot shift vacuum/engine speed control dial		
13. A 12-volt power pack to provide emergency hydraulics		
14. A single button on the control panel to engage and disengage vacuum pump		
VII: CONTROL CENTERS - SECTION 3: CURBSIDE CONTROL CENTER		
1. The curbside control center shall include means of selecting vacuum mode or dump mode.		
2. The curbside control center shall include: pendant plug, panel lights, emergency E-stop, controls for tailgate, controls for debris body,		
VIII: LIGHTING/WARNINGS		
1. LED boom floodlights		
2. LED strobe lights consisting of: two mounted on top of rear body, two mounted at front section of boom, and one rear traffic advisor.		
3. Two LED floodlights mounted on opposite sides of the boom elbow		
4. Two LED floodlights mounted above tailgate.		
5. Two LED floodlights mounted mid-unit on opposite sides		
6. All auto connections shall be void of exposed wires or terminals.		
7. All lights are to be shock mounted or shock resistant.		
8. One front and one rear mounted camera with 7" monitor in the cab.		
9. Tailgate alarm when tailgate is raising.		
10. Body up alarm when body is raising.		
11. Boom alarm warning for unstored boom in drive		
12. Safety cone holder		
IX: VACUUM TUBES AND BRACKETS		
1. 8" OD aluminum tubes with male/female fittings supplied.		
2. 2 - 7 ft sections, 2 - 5 ft sections, 1 - 8 ft section, 1 - 8 ft section with crown, 1 - 3 ft section, and 8 over center clamps.		
3. Two six-tube vertical storage racks to be mounted to exhaust silencer on passenger side.		
4. Tube storage on front of chassis in front of the grill.		
X: TOOLBOXES		
1. Two lockable diamond plate toolboxes frame-mounted passenger side.		
2. One lockable diamond plate toolbox located on driver side.		
XI: WIRELESS CONTROL		

1. The control shall be contained in a waterproof/shockproof housing with a carrying case and a belt and shoulder strap.		
2. The remote control shall have the following functions: boom up - down - in - out - left - right, engine throttle, water flow and pressure, vacuum relief vent door, water PSI, freshwater level, debris level, engine RPM, and an E-stop button.		
XII: WATER WASH DOWN SYSTEM		
1. Main water pump shall supply water source with means of regulating pressure from zero to 2,000 PSI.		
2. Retractable hose reel with live center, with 50 feet of ½” hose with disconnect,, located behind cab.		
3. 2,000 PSI wash down gun with adjustable nozzle.		
4. Pressure washer quick connect at front of truck.		
XIII: ELECTRONIC TANK LEVEL SENSOR		
1. Radar sensing for liquid or dry material.		
2. Four level LED indicator lights		
3. Once full, system automatically opens vent door.		
XIV: LOOSE PART ACCESSORIES		
1. 1” x 10’ leader hose		
2. 2.5” x 25’ cotton fill hose with fittings for filling water tanks including storage bin		
3. Minimum 3,000 PSI rated adjustable handgun.		
4. One (tiger tail) hose guide supplied complete with rope.		
5. Two of each: Operations, Maintenance and Parts Manuals supplied.		
XV: CHASSIS SPECS		
1. Minimum 370 hp Cummins diesel engine		
2. Remote mounted engine controls		
3. Minimum 60,000 GVW		
4. 160 amp alternator		
5. Dual batteries		
6. Minimum 1850 CCA		
7. Air dryer with heater		
8. Allison 3000 RDS automatic transmission		
9. 20,000 lb setback front axle		
10. 40,000 lb rear axle		

11. Hendrickson RT-403 rear suspension		
12. Vertical exhaust		
13. Minimum 70 gallon fuel tank		
14. Driver and passenger air seats		
With any new piece of equipment the Town requires training from factory-trained personnel for both the operators and technicians. With this bid should be a description of the training offered for both operation and technician troubleshooting.		

Trade in Value for a 2003 Camel 200 10 yd with approx 6,630 hrs. _____

BID FORM

TOTAL COST FOR MACHINE (BEFORE TRADE) AS SPECIFIED OR AS PROPOSED BY VENDOR:

\$ _____

MAKE/MODEL: _____

GUARANTEE: _____

ESTIMATED DELIVERY DATE: _____

>>> NOTE: BID MUST BEAR THE HANDWRITTEN SIGNATURE OF A DULY AUTHORIZED MEMBER OR EMPLOYEE OF THE ORGANIZATION MAKING THE BID.

SIGNED: _____

DATE: _____

COMPANY: _____

Corporation, Firm, or Company

ADDRESS: _____

City State ZIP

TELEPHONE :(_____) _____ **FAX:** (_____) _____

EMAIL: _____

ITB 052024 Mailing List

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