

Invitation for Bid (IFB)

TAC 1177B

Supplies or Services Requested: High-Pressure Sewer Cleaner and Vacuum

Department: Water and Sewer

NIGP Commodity Code(s):

072-08, 890-81, 890-64

Solicitation Schedule

EVENT	DATE
IFB Issue Date	11/18/2022
Pre-Bid Conference or Webinar <i>Location Zoom/Teams link</i>	NO PRE-BID CONFERENCE
Deadline for Questions <i>Submitted to assigned buyer via email.</i>	12/05/2022 <i>10 Days prior to IFB due date</i>
Bid Submission Date <i>Either mailed or delivered to City Clerk address. Bids are open the day after the due date.</i>	12/14/2022

If You have any questions or need additional information, contact the Assigned Buyer:

Angie Tune | ATune@CityofTulsa.org

*All questions should be emailed with TAC **1177B** on the subject line.*

Submit Bids (sealed) to:

City of Tulsa – City Clerk's Office
175 E. 2ND St., Suite 260
Tulsa, OK 74103

*Bids (2 total: 1 original, 1 copy) must be sealed and either mailed or delivered. Write the Bid Number, Supplies or Service requested (as listed above), and Bid Opening Date on the lower left corner of the outside of Your Bid envelope. Feel free to use included packing slip. No faxed or emailed Bids will be considered. Barring certain circumstances (Section III-5), Bids received after the stated date and time **will not be accepted and will be returned to the Bidder unopened.***



CITY OF
Tulsa
A New Kind of Energy.

I. STATEMENT OF PURPOSE:

1. Overview and Goals

The goal of this solicitation is to secure a source to purchase a High-Pressure Sewer Cleaner and Vacuum for use by the Water and Sewer Department of the City of Tulsa.

2. Term of Contract

The City intends to award a one-year annual contract. The City may offer the Seller the opportunity for additional one-year terms. The City also reserves the right to make multiple or partial awards. To do business with the City, You must agree to the terms and conditions of the City's standard Purchase Agreement, indicated by Your Authorized Agent's signature on the Purchase Agreement.

Capitalized terms used in this IFB and not defined in the Purchase Agreement shall have the meanings as ascribed to them in Title 6, Chapter 4 of the [Tulsa Revised Ordinances](#).

The entire Invitation for Bid (IFB), including any additional information submitted by Bidder and Accepted by City will be included as part of the Agreement between Seller and City. **All sheets of this IFB (including Sections I-V) must be submitted.**

Authorized Agent

Several parts of the Bid (Affidavits, Purchase Agreement) must be signed by an “**Authorized Agent**.” An Authorized Agent means an agent who is legally authorized to bind the Seller under the law of the state in which the Seller is legally organized. For instance, under Oklahoma law, the Authorized Agent for each of the following types of entities is as stated below:

- **Corporations** – the president, vice president, board chair or board vice chair can sign; others can sign if they have and provide the City with (i) a corporate resolution giving them authority to bind the Seller, and (ii) a recent corporate secretary's certificate indicating the authority is still valid.
- **General Partnerships** – any partner can sign to bind all partners.
- **Limited Partnerships** – the general partner must sign.
- **Individuals** – no additional authorization is required, but signatures must be witnessed and notarized.
- **Sole Proprietorship** – the owner can sign. Any other person can sign if s/he provides a recent Power of Attorney, signed by the owner, authorizing him/her to bind the sole proprietorship.
- **Limited Liability Company (LLC)** – The manager as named in the Operating Agreement can sign. Any person authorized by the Operating Agreement or a member can sign providing the person submits a copy of the authorization with a certificate of the members indicating the authorization is still valid.

Entities organized in states other than Oklahoma must follow the law of the state in which they are organized.

II. SCOPE OF SERVICES AND SPECIFICATIONS

1. Scope of Services

The City is requesting Bids for one High-Pressure Sewer Cleaner and Vacuum for use by the Water and Sewer Department of the City of Tulsa ("City").

Delivery Requirements

All prices quoted shall be based on delivery F.O.B. Tulsa, Oklahoma or to any other points as may be designated in the Specifications, with all charges prepaid by Seller to the actual point of delivery. Bids must state the number of Days required for delivery under normal conditions.

Absolutely no items over 500lbs. may be directly shipped to the City requiring the City personnel to unload from the shipping truck or trailer. The City carries no responsibility for any damages incurred during an unloading occurrence. All unloading shall be the responsibility of the Seller and/or shipping entity.

2. Specifications

In Section 2 of the Table below (Bidder's Proposal Column), the Bidder shall respond to each minimum requirement (Section 1) in the space provided under Section 2. Whenever asked to "describe", the description may include details such as size, capacities, dimensions, materials used in construction, etc. A full and complete description is required to reasonably evaluate the Bid, so all pertinent information is required. When referring to attached literature as a means of not fully describing items, misinterpretations by the evaluator of the Bid may occur. Your ability to present the City with enough information to reasonably understand the item being bid and whether it meets the Specifications stated herein relies on the written information provided.

You are requested to describe Your proposed equipment in the Bidder's Proposal Column, **in terms** that correspond with the minimal specifications shown. **You may not answer** in the space provided as to whether You meet the Specifications by responding with terms as **"yes", "meets", "same as", "complies" or "similar" terms**. If these terms are utilized, it shall result in **Your bid being considered as non-responsive and being rejected**.

You must include descriptive manufacturer's literature verifying the information You provided in the Bidder's Proposal Column with Your submission. Failure to provide such literature shall result in Your Bid being considered as non-responsive and being rejected.

If Your Bid is an alternate approach and does not fully meet the Specifications, completely describe Your alternate approach.

Seller shall ensure that each vehicle and related parts are warranted by the manufacturer to be of good material and workmanship and that manufacturer promptly replace any part or parts which by reason of defective materials or workmanship shall fail under normal use, free of negligence or accident, for a minimum of one (1) year from the date of delivery, unless otherwise stated. In addition, if such failures take place outside the dealer's service area, which shall be defined as Tulsa city limits, the Seller will be responsible for reimbursing the nearest manufacturer's authorized dealer in the city of Tulsa for services rendered under this warranty.

The Seller shall respond within 72 hours of notification by the City of Tulsa, on when, where and how a warranty issue will be resolved. In the event there is no response within 72 hours, or if the response is not acceptable to the City of Tulsa; the City will provide or arrange for repairs. The Seller shall be

responsible for reimbursing the nearest manufacturer's authorized dealer in the city of Tulsa for services rendered under this warranty.

The Seller shall have the option to authorize the City of Tulsa to perform minor warranty replacement and repairs and then reimburse the City for its labor and parts utilized to enact the repair. The reimbursement for labor will be the same rate as that of the actual work performed. Standard warranty information is to be supplied with the Bid.

Section 1 Item 1	Specifications (Minimum)	Section 2 Bidders Proposal
Equipment	This specification is for a new, latest production model of high-pressure sewer cleaner with vacuum unit. 66,000 lb. GVW Dual rear wheel cab chassis. Vector brand will be the only acceptable vacuum unit.	<u>Describe:</u> <u>Make:</u> <u>Model:</u>
Gross Vehicle Weight	66,000 lb.	<u>Describe:</u>
Cab	<ol style="list-style-type: none"> Cab style: 2-door conventional. Driver seat shall be: <ul style="list-style-type: none"> Air suspension high back with integral headrest. 2 position cushion adjustment, -3 to +14-degree seat back adjustment, Single chamber air lumbar support. 3-points lap and shoulder type seat belt. Passenger seat shall be a standard seat high back seat. Seat covering: heavy-duty vinyl. Material color-coordinated with interior color. Sun visors: left hand and right-hand sides. Armrests: left hand and right-hand sides. Interior lighting: dome with door activated switches. Windshield wipers: electric, 2-speed intermittent with dual washers. Power windows and Power door locks. Stainless steel or painted composite exterior visor. Mirrors: exterior 7" x 16" approx. with 6" diameter bolt on type convex mirrors mounted on each side. Both mirrors shall 	<u>Describe:</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>

	also be heated and power adjustable for safety reasons.	
	11. Air conditioning: factory installed through-dash type.	11
	12. Full gauge package: included with audible alarms and lights; and Kysor or equivalent shutdown switches on the following:	12
	a. Low oil pressure	a
	b. Coolant temperature	b
	c. Transmission high heat warning light.	c
	d. Low air pressure.	d
	e. DEF level gauge	e
	13. Additional items to be included shall be:	13
	a. 12 Volt power port and USB power port.	a
	b. Tilting hood.	b
	c. Radio with blue tooth capability for hands free.	c
	d. Tinted glass up to the legal limit in Oklahoma throughout.	d
	e. Grab handles both sides of cab	e
	f. At least six (6) inch, wide steps for entry and exit into cab.	f
	g. Floor mat: full floor coverage as per manufacturers' standard.	g
	h. Dual air horns mounted on the roof.	h
	i. Fire extinguisher: Five (5) lb. size 1, ABC type, mounted inside off the cab.	i

Engine	<ol style="list-style-type: none"> 1. Fuel type: diesel. 2. Must be an Selective Catalytic Reduction (SCR) system that uses Diesel Exhaust Fluid (DEF) and not an Exhaust Gas Recirculation (EGR) system. 3. Displacement: 12 liter minimum. 4. Horsepower: 425 HP minimum. 5. Torque: 1,500 Ft lbs. minimum 6. State listed torque rise % for engine proposed. 7. The water separator shall be in-line, Racor 30 micron or equal with heater and warning light. 8. 110 Volt, 1,000-Watt block heater to be included. 9. The engine hour meter shall be mounted inside the cab. 10. The exhaust shall be a vertical mounted. 11. Exhaust shall be shielded so operator cannot be injured. 	<p><u>Describe:</u></p> <p>1 _____</p> <p>2 _____</p> <p>_____</p> <p>_____</p> <p>3 _____</p> <p>4 _____</p> <p>5 _____</p> <p>6 _____</p> <p>_____</p> <p>7 _____</p> <p>_____</p> <p>8 _____</p> <p>9 _____</p> <p>_____</p> <p>10 _____</p> <p>11 _____</p> <p>_____</p>
Transmission	<ol style="list-style-type: none"> 1. Manufacturer: Allison preferred. 2. Model: 4500 RDS. 3. Type: Automatic with synthetic lube. 4. Speeds: Six (6) speeds, electronic with double overdrive. 5. Power Take-Off (PTO) provision. 6. Fluid cooler shall be required. 7. Electronic programming shall be set up to accommodate the truck body requirements. 8. Electric back up alarm, 97 db. Minimum. 	<p><u>Describe:</u></p> <p>1 _____</p> <p>2 _____</p> <p>3 _____</p> <p>4 _____</p> <p>_____</p> <p>5 _____</p> <p>6 _____</p> <p>7 _____</p> <p>_____</p> <p>8 _____</p>
Cooling System	<ol style="list-style-type: none"> 1. Radiator shall be the largest capacity available from the manufacturer. 2. A coolant recovery system shall be included. 3. Protection to -34 Fahrenheit. 4. All hoses for engine coolant and heater to be silicone. 5. Electronically controlled, air operated engine fan shall be included. 	<p><u>Describe:</u></p> <p>1 _____</p> <p>_____</p> <p>2 _____</p> <p>3 _____</p> <p>4 _____</p> <p>_____</p> <p>5 _____</p> <p>_____</p>

Electrical System	<ol style="list-style-type: none"> 1. Electrical system: 12-volt system. 2. Batteries: <ol style="list-style-type: none"> a. Quantity: As required b. CCA. Total: 1850 CCA minimum. 3. Alternator: 160 Amps minimum, brushless. 4. Include all LED lights and reflectors to comply with all federal and Oklahoma state laws for 24-hour operation on all highways. 	<u>Describe:</u> 1 _____ 2 _____ a _____ b _____ 3 _____ 4 _____ _____ _____
Brake System	<ol style="list-style-type: none"> 1. Bendix 4S/4M ABS brake system. 2. Service brake shall be full air system all axles, heavy duty air brakes. <ol style="list-style-type: none"> a. Front: 16 ½ inch x 6-inch, cam front. b. Rear: 16 ½ inch x 8-5/8-inch cam rear. 3. The parking brake shall be spring type with release valve both rear axles. 4. Air compressor: 18.7 cfm (minimum) compressor with DV-2 automatic air tank drains and Bendix AD9 or equivalent. 5. Air pressure gauges and alarm to be included. 6. Must include brake dust shields. 	<u>Describe:</u> 1 _____ 2 _____ _____ a _____ b _____ 3 _____ _____ 4 _____ _____ 5 _____ _____ 6 _____
Steering	Dual power steering gears	<u>Describe:</u> _____ _____
Suspension	<ol style="list-style-type: none"> 1. Front axle: 20,000 lb. 2. Front Suspension: Multi-leaf spring 20,000 lb. 3. Rear axle: 46,000 lb. 4. Rear Suspension: Shall be air suspension. 5. Rear axle shall be double reduction. 6. Shocks: Heavy duty front, Monroe Magnum series 70 or equivalent. 7. The wheels shall be wet type in front and C.R. Scotseal for the rear. 8. Driver controlled main locking differential in forward and rear drive axles. 	<u>Describe:</u> 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ _____ 7 _____ _____ 8 _____ _____
Frame	<p>The City of Tulsa will not accept any frame lengthening modifications.</p> <ol style="list-style-type: none"> 1. Section modules: 27.0. 	<u>Describe:</u> _____ _____ _____ 1 _____

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	2. Yield strength: 120,000 lb. 3. RBM. 3,200,000 minimum.	<u>2</u> <u>3</u>
Wheelbase	Wheelbase shall be compatible with equipment being bid.	<u>Describe:</u> _____ _____
Wheels	1. Front wheels: 22.5 x 12.25. Steel, 10-hole, hub piloted. 2. Rear wheels: 22.5. Steel, 10-hole, hub piloted.	<u>Describe:</u> <u>1</u> _____ <u>2</u> _____
Tires	Front: 425/65R 22.5, 20 ply. Highway tread. Rear: 11R 22.5, 16 ply, Mud & snow tread. Mud flaps with no advertising installed on rear.	<u>Describe:</u> _____ _____ _____
Fuel Tanks	1. The capacity shall be 80 gallons total, min. 2. DEF tank should be a minimum of 5 gallons 3. The type and construction shall be aluminum. 4. Bidder must specify if any fuel tank exhaust, air dryers, etc., are mounted in such a way as to protrude behind the cab or rearward of cab on the frame.	<u>Describe:</u> <u>1</u> _____ <u>2</u> _____ <u>3</u> _____ <u>4</u> _____ _____ _____
Undercoating	Standard factory undercoating plus a bituminous undercoating shall be applied to the vehicle. The bituminous undercoating is to be applied to all underside body metal in accordance with industry requirements and standard's governing vehicle undercoating. Bituminous undercoating may be supplied by the Seller.	<u>Describe:</u> _____ _____ _____ _____ _____ _____ _____
Paint	1. All metal surfaces shall be shot, or sand blasted prior to painting. All metal surfaces shall be primed prior to painting. 2. All hose and fittings, as well as electrical wires and connections, shall not be painted. 3. Paint shall be gloss white in color. Shall be a wet-on-wet application. 4. This paint shall be designed for application over wet non-sanding primer base. The process shall allow the unit to be primed and after tacking up, the final coats of finish paint	<u>Describe:</u> <u>1</u> _____ _____ <u>2</u> _____ _____ <u>3</u> _____ _____ <u>4</u> _____ _____ _____

	<p>may be applied. The process still maintains all its paint properties. It shall be Low Voc-High Solids OSHA compliant paint with excellent gloss retention. It shall be durable, tough finish and easy to maintain. The process prior to painting shall be that all metal is grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and then finish paint is applied to a minimum 3-mil thickness. All finish painting shall be done prior to the assembly of the machine.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Bumpers	<ol style="list-style-type: none"> 1. Front bumper shall be heavy duty formed swept back design. 2. Rear: Must be ICC compliant for rear underside Protection. 3. A set of tow hooks (2) and or tow loops shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsite. They shall be rated for the Gross Vehicle Weight Rating (GVWR) of the vehicle. 	<p><u>Describe:</u></p> <p>1 <hr/></p> <p>2 <hr/></p> <p>3 <hr/></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Vehicle Height	<p>State the overall height of the vehicle.</p>	<p><u>Describe:</u></p> <hr/> <hr/>
Additional	<p>Strobe lights LED system.</p> <ol style="list-style-type: none"> 1. Front: Vehicle shall have two (2) Whelen LED 500 series TIR6 model 50CO3ZCR or acceptable equal with clear lens and a model 5TSMAB black surface mount adapter for horizontal mounting. Include the TIR6 scan-lock flash pattern capability. Include the synch interconnect wire allowing up to eight (8) light-heads to be synchronized together. Include a minimum of 6 feet of wiring. Mount the lights in the bumper area not to be in the way of the front hose reel. 2. Rear: Vehicles shall have two (2) Whelen model Vertex VTX609J (Red/Blue split) or acceptable equal, LED ultra-small vertex 	<p><u>Describe:</u></p> <p>1 <hr/></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>2 <hr/></p> <hr/> <hr/>

	<p>self-contained hemispheric light assemblies in clear lens for installation of one each in rear tail lights. Lights are approx. 1" tall.</p> <p>Assembly to contain 9 feet of wiring with an inline combination lamp driver and flasher. If the rear tail lights are unable to accommodate the unit, mount them in the bumper area.</p> <p>3. The control center module mounted in the cab will have user selectable flash patterns.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>3</p> <hr/> <hr/> <hr/>
Debris Body	<p>The debris storage body shall be constructed of:</p> <ol style="list-style-type: none"> 1. ¼ inch minimum, corrosion, and abrasion resistant Ex-Ten steel. 2. Yield point of 50k PSI and tensile strength of 70k PSI minimum. 3. The body of the debris tank should be cylindrical and hold a capacity of 10 cubic yards minimum. 4. The body shall have a full-size rear door that is hinged at the top and is equipped with a replaceable neoprene type seal to prevent leakage that is adjustable for periodic compensation of door seal wear. 5. The body shall be supplied with a load level indicator to show when the body is loaded to capacity. A warning sensor shall allow operator to know load in over limits. The rear door shall be equipped with a body drain hose which allows the operator to drain off excess liquids while retaining solids. 6. Debris body shall be dumped by raising the debris body to 60 inches by means of a forward mounted, double acting hydraulic cylinder. Dump height must be achieved without the use of a scissor lift mechanism. 7. The debris body shall be attached on an independent frame that is separate from the chassis frame. It shall be mounted via a 3-point mounting system to allow flexing to occur without causing damage. 	<p><u>Describe:</u></p> <p>1</p> <hr/> <hr/> <p>2</p> <hr/> <hr/> <p>3</p> <hr/> <hr/> <p>4</p> <hr/> <hr/> <p>5</p> <hr/> <hr/> <p>6</p> <hr/> <hr/> <p>7</p> <hr/> <hr/>

Debris Body Continued	8. To achieve the best possible material separation and minimize material being discharged into the atmosphere, the air conveyance system shall draw air from two separate ports in the debris body.	8
	9. The dump controls and accessory controls shall be provided at a central curbside location, directly behind cab of the truck.	9
	10. The body shall be round for maximum strength and have a minimum usable liquid capacity of 5 cubic yards or 1010 volumetric gallons.	10
	11. A four (4) individual rod and receiver block type sequential door locking system, cam operated by single hydraulic cylinder with separate hydraulic cylinder to activated door grabber at bottom of rear door shall be supplied. Shall include rear door open/close cylinder mounted on top of body. The system shall be capable of hydraulic opening to 50 degrees from fully closed position. Shall include door prop and curbside controls.	11
	12. A 6-inch air operated decant system-forward mounted with screen and a 6-inch de-watering system installed at the front curbside of the debris body. This system includes an internal drainpipe with full screen and an air operated knife type shutoff valve. Also included is a 10-foot X 6-inch lay flat drain hose with cam lock couplers located curbside outside the debris body.	12
	13. A six (6) inch I.D. butterfly valve located on rear door for water decanting. Valve is located on right side of rear door at approximately 2 to 3 o'clock position. A single filtration screen provided to prevent large debris from entering the drainpipe.	13
	14. A pipe storage rack will be located on the curbside of the debris body above the rear water tank. The rack will be constructed of structural steel tubing and be spring assisted in the down and up positions for easy	14

Debris Body Continued	operation. The rack will also store three (3) 8-inch diameter pipes 5 feet long.	
	15. A pipe storage rack shall be located on the street side of the debris body above the rear water tank. The pipe rack shall be constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation. The rack shall store three (3) 8-inch diameter pipes up to 5 feet long.	15
	16. A pipe storage rack shall be located on the rear of the debris body. The rack shall be constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation. The rack shall store two (2) 8-inch diameter pipes 3 feet long.	16
	17. Dual 10-inch stainless steel ball floats; cage and screen shall be located in each outlet to the vacuum source to automatically stop the airflow to the body shall be supplied. The float balls shall activate when a debris body full load condition exists and to prevent debris body carryover into the vacuum inlet during transportation.	17
	18. Debris body shall have a body flush out system with a fan-type spray nozzle located in the front wall of the debris body to aid in the flushing of heavy debris. The nozzle shall also utilize (2) spray nozzles to flush the front most area of the debris body. System must produce a flow of 80GPM. Control valve shall be on located at mid-ship of the machine.	18
	19. A shield shall be mounted around the outer circumference of the rear door to direct liquid or debris away from the chassis. The shield shall be constructed of Ex-Ten steel. It shall be bolted to the outside diameter on the rear flange of the debris body and located from the 3 to 9 o'clock position.	19
	20. A lube manifold shall be located at the curbside of unit. The manifold shall allow	20

Debris Body Continued	Ground level remote greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	
	21. Water tanks must have certified metered capacity of 1,500 or more gallons. The 1,500-gallon capacity shall be achieved via multiple cylindrical cells.	21
	22. The aluminum water cells shall not require internal coatings and shall be easily repaired or patched if required.	22
	23. The cells shall be hung via rubber line "j" straps which allow the cells to be easily removed from the unit if required.	23
	24. The water cells shall be located directly behind the cab of the truck and ending at the very rear of the unit, thus providing the best possible weight distribution.	24
	25. The water tanks shall be adequately vented and connected to provide complete filling. A minimum 6-inch and 4-inch connections between tanks are provided.	25
	26. The water tanks shall be totally separate from the debris tanks and provide no structural support.	26
	27. All water cells shall be positioned at or below the frame of the unit, thus providing the best possible and lowest available center of gravity.	27
	28. The water tanks shall share no common walls with the debris tanks to prevent corrosion.	28
	29. The water tanks shall come equipped with a 2-inch Y-patterned filter with an 80-mesh stainless steel strainer to filter the water before it enters the water tank. An air gap in water fill system shall be supplied. Shall include Y-strainer, 2.5-inch x 25 feet fill hose and hose storage.	29
	30. An air purge system shall be supplied. The system shall aid in the purging of water lines and water pump for cold weather storage.	30

Debris Body Continued	<p>This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves, and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system.</p> <p>31.A manual 3-inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required.</p> <p>32.Electrical float device shall be located in the water tank. When low water level condition exists, the float shall signal a warning light located at the operator station. A manual by-pass switch, located at the operator station, shall be supplied to de-activate the system.</p>	
Vacuum System	<ol style="list-style-type: none"> 1. Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 38-inch diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have hard chrome plated, cast aluminum radial blades with minimum thickness of ¼ inch. 2. The aluminum centrifugal compressor shall be of the riveted type design. Welded fans are not acceptable due to safety considerations. 3. Compressor shall be able to vacuum wet or dry material without damaging the vacuum system. Compressor shall carry a non-prorated five-year warranty. 4. Mere fan curve ratings and claim of air movement expressed in inches of negative water pressure and/or inches of mercury are not acceptable as proof of the unit's performance capability. A standardized test that can be duplicated through the life cycle of the machine is to be used. The test shall 	<p><u>Describe:</u></p> <div>1</div> <div>2</div> <div>3</div> <div>4</div>

	simulate material restriction to air flow; determine the effectiveness of the entire airflow system and monitor the performance over time.	
	5. Three circular orifices, laser cut from 10-gauge steel shall be provided. The boom is to be in horizontal position and the end of the vacuum tube is to be 4 feet above grade. One orifice plate with a 5-inch diameter hole, and one orifice plate with a 6-inch diameter hole shall be placed in turn over the vacuum tube opening, and a manometer is to be attached to a 1/4-inch opening 12 inches from the tip of the tube. Measurements taken at other locations or with greater restrictions are unacceptable.	5
	6. Other locations do not measure simulated work at the vacuum nozzle tip and great restrictions merely show little or no simulated work. Tests must be performed at the manufacturer's maximum recommended speeds for continuous operation with no evidence of fan cavitation by sound or through overheating of the fan housing. Water column measurements are to be recorded at the place of manufacture on similar units and notarized copies of these measurements are to accompany the bid submittal. Prior to delivery, the unit is to be measured in the similar fashion at the delivery site.	6
Vacuum System Continued	7. Since fan curves are either theoretical renderings or derived results from laboratory bench tests and the results are not measured on an actual machine, all claims of performance based on fan curves that are submitted during the sales/demonstration process or in bid submittals must be proven in an actual demonstration. All claims of correspondent airflow and pressure-derived from fan curve submittals- must be proven	7

[illegible]

	<ol style="list-style-type: none"> 4. Compressor controls will have a speed selection switch; manual levers for the hydrostatic pump to control the compressor speed will not be accepted. 5. Hydraulic shut off valves shall be located at the suction, return and filter lines to permit servicing of the hydraulic system. 6. Compressor will be driven from a closed loop drive system utilizing available chassis power via split shaft transfer case. The transfer case shall drive a variable displacement pump to energize the closed loop. 7. The pump should be directly mounted to the split shift transfer case. The pump will have a minimum life rating of 10,000 continuous duty. 8. The hydraulic motor that powers the compressor shall be a bent axis, bi-directional motor. The motor speed will have a maximum of 2,500 RPM. 9. There should be an electronic soft start for the hydrostatic drive system to manage ramping up the speed. 	<p>4</p> <hr/> <hr/> <hr/> <hr/> <p>5</p> <hr/> <hr/> <hr/> <hr/> <p>6</p> <hr/> <hr/> <hr/> <hr/> <p>7</p> <hr/> <hr/> <hr/> <hr/> <p>8</p> <hr/> <hr/> <hr/> <hr/> <p>9</p> <hr/> <hr/> <hr/> <hr/>
Boom	<ol style="list-style-type: none"> 1. The boom shall be designed for front end operation with hose mounted and stored at front work station. Front mounted location is desired for ease of positioning vacuum hose as well as minimizing the need for the operator to swing hose into traffic. 2. All connections between debris body and vacuum system shall be of the self-adjusting, pressure fitting type. 3. The lift and swing movements shall be accomplished by cylinder actuated means. Gear and chain type rotations are not preferred due to maintenance considerations. 4. The boom shall be 6-way hydraulically driven up/down/left/right/extend/retract. A remote push button control station shall control the boom by cable to the hydraulic power 	<p><u>Describe:</u></p> <p>1</p> <hr/> <hr/> <hr/> <hr/> <p>2</p> <hr/> <hr/> <hr/> <hr/> <p>3</p> <hr/> <hr/> <hr/> <hr/> <p>4</p> <hr/> <hr/> <hr/> <hr/>

	swing/lift/extend cylinders.	
	5. The boom pendant control shall come equipped with control switches for all directions as well as a safety emergency shutdown button that automatically eliminates power to the boom. In addition, a wireless remote control with 500 feet of range shall be supplied. The remote unit shall control rotation, lift, and extension functions of the boom in addition it shall also control chassis RPM, water pump on/off, hose reel pay in/out, hose reel speed and vacuum relief on/off and emergency disengagement e-stop shall be provided.	5
	6. A cab protection device, independent of cab, which shall protect the cab from the boom, shall be provided.	6
	7. All hoses and tubes shall be 8-inch I.D. and shall remain stationary and not rise with the debris body to minimize the possibility of running vacuum hose into power lines and low hanging branches.	7
	8. The upper debris tube shall consist of an anchored steel tube for additional life. This shall include a 6-foot 6-inch catch basin nozzle with a steel reinforced tip. Pipe should include sufficient adjustable, over center, quick clamps to join the aluminum flanged suction pipe. A boom transport cradle shall be wide enough so that boom is tightly secured and cannot freely move.	8
	9. A 10-foot telescoping boom shall be supplied. The 8-foot extensions shall provide a minimum of 474 square feet of additional coverage. The boom shall rotate a minimum of 180 degrees and provide 277-inch minimum reach off the centerline of the unit. The boom shall extend and retract a minimum of 10 feet and shall be located at the front work station in its retracted position. The boom shall include a true telescoping suction tube that shall extend and retract	9
Boom Continued		

	<p>without affecting the steel elbow or lower debris hose vertical position.</p> <p>10. The joystick shall be mounted in the electrical box on the hose reel. It shall be operated by a simple up/down/left/right/control. Joystick shall control left/right/up/down boom functions.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
High Pressure Water Pump	<p>1. The positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable. The water pump shall cycle approximately every 4-½ seconds.</p> <p>2. This pump cycle shall provide an automatic “jack-hammer” action in the hose to assist the nozzle in breaking through obstacles.</p> <p>3. The water pump location shall provide a flooded inlet to eliminate potential cavitation’s damage. The water pump location shall be certified by the pump manufacturer.</p> <p>4. High alloy stainless steel water barrel designed to improve water barrel life in application where harsh water is used.</p> <p>5. The high-pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided.</p> <p>6. The positive displacement water pump shall have the capability to purge residual water out of the water system by pumping air through the entire system. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining.</p> <p>7. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system. An oil-to-water heat</p>	<p><u>Describe:</u></p> <p>1</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>2</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>3</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>4</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>5</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>6</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>7</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

High Pressure Water Pump (Continued)	exchanger shall be provided in the water system to cool all hydraulic fluids on the unit.	
	8. Water pump shall have the capability of being engaged/ disengaged from the driving mechanism at the front control panel by using an on/off switch, thus providing added control and safety.	8
	9. Unit must include an auxiliary tank system with a 20-gallon tank that integral to the water tank with shut-off valve and plumbing to the high-pressure water pump allowing the operator to cycle the water pump and distribute fluids to the water lines during freezing conditions.	9
	10. The hydraulic flow to drive the water pump shall be from a hydraulic oil pump driven by the truck engine via a heavy-duty air or electric-over-hydraulic lift power-take-off. The water pump shall operate with an oil/water ratio of 1 to 1.	10
	11. The power-take-off shall engage the hydraulic pump but not the water pump to eliminate unnecessary high-pressure ball valve by-pass and water pump wear.	11
	12. The rated design capacity of the high-pressure water pump shall be 100 gpm and 2,500 psi. This capacity shall insure long pump life. A certification by the pump manufacturer for continuous duty shall be provided.	12
	13. The hydraulic pump and water pump shall be sized to deliver 80 gpm @ 2,500 psi continuous duty operation.	13
	14. State RPM of water pump.	14
	15. The water pump shall be double acting, single piston type and shall be located below the entire water supply. It shall be hydraulic driven water pump, shall be powered from the chassis engine via transmission mounted heavy duty PTO. The water pump shall have a rating of 100 gpm and 2,500 psi.	15
	16. The water pump hydraulic system and	16

High Pressure Water Pump (Continued)	<p>plumbing shall be set up to produce 80 gpm at 2,500 psi.</p> <p>17. An ASME coded and safety stamped 2-½ gallon, capacity, hydro-pneumatic, nitrogen charged bladder type accumulator shall be supplied. It shall have a pre-set operating range 1,400 to 2,500 psi to give continuous smooth pressure at the nozzle. The accumulator system shall have a 1-inch ball valve shut off to allow water pump to operate either with "jackhammer" action or smooth water flow.</p> <p>18. The jet-rodder water pump shall be equipped with a hydraulic driven system that utilizes a variable displacement piston type hydraulic pump to supply power to the water pump. This system shall allow the operator to vary the flow and pressure of the water pump independently by using a dial control at the front station and changing nozzles. This is not a by-pass system. The variable piston hydraulic pump shall permit the operator to select the appropriate oil flow required to change the water pump output. A 25-gpm cold weather recirculator shall be supplied. A hydraulic system driven from transmission PTO chassis at engine idle speed. The High-pressure water pump will circulate water through the water pump back to the water tanks. The system functions for cold weather protection while in motion or at stationary mode.</p> <p>19. A 3-inch Y-pattern strainer is installed prior to the water pump suction inlet to serve as an additional filtering device. The Y-filter includes a 3-inch stainless steel, 80-micron mesh filter screen.</p> <p>20. A hose reel shall be mounted on an independent frame that can be removed from brackets attached permanently to main truck frame members.</p>	<div>17</div> <div>18</div> <div>19</div> <div>20</div>

High Pressure Water Pump (Continued)	21. Hose reel shall be manufactured out of 1/4-inch spun steel for added structural strength. This spun steel shall require no internal or external reinforcements that could damage rodder hose.	<u>21</u>
	22. Hose reel shall be driven via hydraulic motor with a dual sprocket and chain system.	<u>22</u>
	23. Hose reel shall have a 1-inch rotating swivel joint that is adjustable and has replaceable seals on the inlet line to provide free rotation of hose reel. All operating controls shall be located on the hose reel.	<u>23</u>
	24. A dual roller hose level wind guide shall be supplied to aid the operator in rewinding the sewer hose back onto the hose reel. It shall be mounted on the lower portion of the hose reel. The wind guide shall be constructed of heavy box tubing and shall swivel as the operator directs it manually. The wind guide shall have dual polyurethane rollers to help protect the sewer hose.	<u>24</u>
	25. A mechanical footage counter shall be mounted at the hose reel flange to measure the pay out and rewinding of hose. It shall measure in 1-foot increments to allow the operator a visual means to determine how much sewer hose is in the sewer line. This shall be supplied in addition to standard.	<u>25</u>
	26. Digital footage counter displaying footage values shall be provided. System must be capable of resetting value to ensure operator safety. Accuracy to within one percent of actual distance, large easy to read LCD screen located on the 7-inch front control panel screen.	<u>26</u>
	27. 1/2-inch high-pressure ball valves shall be installed in lieu of the standard SAE #8 drain plugs. This shall eliminate the use of removing water pump drain plugs when draining or winterizing the water system. These valves shall be located on the bottom	<u>27</u>

High Pressure Water Pump (Continued)	<p>of the rodder pump for draining the water pump. Doing this while cycling the water pump at slow speed flushes out any sediment at the bottom of the pump.</p> <p>28. An extra capacity telescoping/rotating hose reel with a maximum capacity of 1000 feet x 1-inch sewer hose shall be supplied. Hose manufacturer shall be Aeroquip Inc.</p> <p>29. Hose reel shall have steel plate underneath to protect wiring, etc.</p> <p>30. Shall be a mechanical means to rewind the sewer hose back onto the reel in case of hydraulic failure. A tool shall be used to turn the shaft of the reel and retrieve the sewer hose manually. This shall be a means to rewind hose when all other solutions have failed and shall be for emergency only.</p> <p>31. Gate valves shall be installed to permit the servicing of the hydraulic system. A valve shall be located at the hydraulic pump suction line, return line, and oil filter.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <p>28</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>29</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>30</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>31</p> <hr/> <hr/> <hr/> <hr/> <hr/>
Handgun System	<ol style="list-style-type: none"> 1. The positive displacement, double acting, single piston high-pressure water pump shall be utilized to supply 20-gpm at 600 psi (relieved to protect the operator) to the wash down handgun system. 2. A quick disconnect coupling shall be furnished with hose and pistol grip nozzle. The hose shall be capable of delivering water to the area served by the catch basin intake nozzle and to the inside of the debris body for clean out. 3. The handgun should allow for changing of the flow pattern from a fine mist to a steady stream. 4. Quick disconnect couplers with 50 feet of hose on a retractable reel. Shall be supplied directly behind toolbox located against cab of truck and approximately 17 inches from the bottom of the boom rack. 	<p><u>Describe:</u></p> <p>1</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>2</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>3</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>4</p> <hr/> <hr/> <hr/> <hr/> <hr/>

Hydraulic System	The hydraulic reservoir shall have a basin capacity of 67-gallons. The tank shall be a totally modular component and easily removed from its storage area.	Describe: _____ _____ _____ _____
Electrical System	<ol style="list-style-type: none"> 1. The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Mfg. Assoc.) standards. 2. All electrical connections shall have no exposed wires or terminals. 3. All light bulbs shall be shock mounted to eliminate bulb failure. 4. All wiring shall be color-coded and run in sealed terminal boxes. 5. IQAN Electronic Package: Chassis Tachometer, Blower Tachometer, Operating Mode, PTO Mode, Hydraulic Oil Temperature shutdown, Hose Reel Speed, Water Pressure, and Emergency Stop shall be included. Emergency Stop activation must turn off rod pump, shutdown Hydraulics, set chassis throttle to idle and stop vacuum. Emergency Stop must be located at each operator interface, including hose reel controls, pendant control, wireless control (if equipped). Diagnostics for basic machine functions and all inputs and outputs shall be accessible via the display. Advanced diagnostics, updates, data retrieval, and remote diagnostics will be available via PC or Bluetooth connection. 6. Emergency Stop shall be located at each operator interface location. Standard locations to include: front hose reel, mid-ship curbside dump controls, & wireless controller (if equipped). 7. Electrical system controls shall be configured to allow for single point operation only. Upon engagement of controls at specified 	Describe: <u> 1 </u> _____ _____ <u> 2 </u> _____ <u> 3 </u> _____ <u> 4 </u> _____ <u> 5 </u> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ <u> 6 </u> _____ _____ _____ _____ _____ <u> 7 </u> _____ _____ _____

<p>Electrical System (Continued)</p>	<p>locations, additional controls shall be disabled.</p> <p>8. Electrical system must enable self-check to ensure all switches are in home position prior to critical function enablement. System must "lock out" controls when switch is not in home position.</p> <p>9. 7" dash monitor, 2-camera system shall be provided. A front hose reel color camera with 130 deg Viewing Angle shall be provided to provide a front visual of the manhole cover to aid in equipment set-up. A rear back-up color camera with 130 deg viewing angle shall be provided. Camera to have automatic activation when the unit is switched to reverse.</p> <p>10. Digital water pressure shall be displayed in front LCD display. Pressure gauge shall be capable of displaying water system pressure in all pump operating modes.</p> <p>11. All lights, Clearance, Back-Up, Stop, Tail & Turn shall be LED.</p>	<p>_____</p> <p>_____</p> <p>8</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>9</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>10</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>11</p> <p>_____</p> <p>_____</p>
<p>High Pressure Sewer Hose</p>	<p>1. Three (3) jet nozzles shall be furnished with the unit. These nozzles should all be equipped with tungsten carbide orifices for added life.</p> <p>a. One (1) 15° Penetrator nozzle.</p> <p>b. One (1) 30° Sand nozzle.</p> <p>c. One (1) 30° Sanitary nozzle shall be furnished.</p> <p>2. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines.</p> <p>3. A 1000-foot x 1-inch Aeroquip sewer hose shall be supplied. This hose shall require an extra capacity hose reel. The sewer hose shall be 1-inch I.D. and shall be rated at 2,500 psi working pressure with 6,250 psi burst pressure.</p>	<p><u>Describe:</u></p> <p>1</p> <p>_____</p> <p>_____</p> <p>a</p> <p>_____</p> <p>b</p> <p>_____</p> <p>c</p> <p>_____</p> <p>2</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>3</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

		Describe:
Front Operating Stations & Controls	<u>Controls and gauges to be include:</u>	
	1. Operation station shall be located at the front of the truck.	1
	2. Primary operator station will be located at front of truck on right curb side of hose reel.	2
	3. All operator controls should be located on a single control panel that can be rotated on a 90-degree arc for an operator customizable location. The control panel shall also feature the ability to raise and lower through a range of not less than 8" to accommodate operators of different height.	3
	4. Station shall include a 7" Touch enabled display screen with corresponding tactile buttons for reading critical machine data including (hose footage, hose reel speed settings, water pressure, water flow. Air mover information, chassis data, mode indicator, chassis fuel level, and diagnostic controls), Back lit button keypads with, laser etched function icons, and 4 light feedback indicators. These buttons shall operate the following functions: All setup functions (remote/panel selector, work lights, hose reel extend/retract, hose reel lock, and pinch roller activation) and Vacuum functions. Additionally, there will be separate sealed rocker switches for Water Pump on/off and Throttle up/down. There shall be a multi flow control dial for controlling the full range of the water pump.	4
Front Operating Stations & Controls (Continued)	5. There shall be a hose reel joystick to control the pay in and pay out of the hose reel, this joystick shall offer speed control that increases the further the joystick is moved in either direction. There shall be an additional hose reel speed dial for setting specific speed ranges of the reel. There shall be a boom joystick that controls all function of the boom including up/down, left/right, and extend/retract. There shall be an Emergency	5

	<p>Stop button to bring all machine to a stop.</p> <p>6. Tachometer and hour meter for chassis engine provided at control station shall be provided.</p> <p>7. Fan Engagement/Vacuum Relief - Sealed Electric/Air NEMA 4 Switch shall be provided.</p> <p>8. All Hydraulic Functions - Color Coded, Sealed Electric/Hydraulic NEMA 4 switches shall be provided.</p> <p>9. Water pump hour meter shall be provided.</p> <p>10. PTO hour meter shall be provided.</p> <p>11. Front control screen shall display a water level indicator to show level of water through the range of the tank.</p> <p>12. Secondary Mechanical hose reel lock.</p>	<p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p>
Mounting	Units shall be mounted on approved truck chassis at the factory of the body manufacturer.	<p><u>Describe:</u></p>
Paint	<p>1. All metal surfaces shall be shot, or sand blasted prior to painting. All metal surfaces shall be primed prior to painting.</p> <p>2. All hose and fittings, as well as electrical wires and connections, shall not be painted.</p> <p>3. Paint shall be gloss white in color. Shall be a wet-on-wet application.</p> <p>4. This paint shall be designed for application over wet non-sanding primer base. The process shall allow the unit to be primed and after tacking up, the final coats of finish paint may be applied. The process still maintains all its paint properties. It shall be Low Voc-High Solids OSHA compliant paint with excellent gloss retention. It shall be durable, tough finish and easy to maintain. The process prior to painting shall be that all metal is grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and then finish paint is</p>	<p><u>Describe:</u></p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>

	applied to a minimum 3-mil thickness. All finish painting shall be done prior to the assembly of the machine.	
Light Accessories	<ol style="list-style-type: none"> 1. Circuit breakers shall be supplied. This addition to the machine shall replace all Vactor supplied fuses with appropriate amperage circuit breaker. The two 12 Volt, adjustable, shock mounted work lights shall be located on the 70° elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. 2. They shall be turned on/off with a toggle switch mounted on the operator control panel. 3. A hand-held spotlight, one piece molded black neoprene pistol grip type shall be supplied. Shall be 110,000 Candlepower, 100 Watt / 12 Volt, sealed beam bulb. SVO, 25-foot coiled cord with 12-volt plug in connector, 4-1/2-inch diameter and 8-½ foot long. 4. Two (2) amber strobe lights shall be mounted on front top and rear of body. They shall be 7-½ inches high, 6-½ inch diameter base and a 12 Volt, 8 Joules, double flash-helical flash tube with a flash rate of 80 +/-10 fpm and shall have a power consumption of 18 amps maximum. Light(s) shall have a polycarbonate amber lens. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2, AMVA certified. 5. A 48-inch LED split arrow traffic controller shall be supplied. The flashing lights shall have a maximum current draw of 20.5 Amps at 12.8-Volts. They shall be made of high impact corrosion resistant ABS plastic. The two-part housings shall be sealed and shall have a pre-wired harness with solid state; three-function control box with a LED display an additional 12 Volt hand light plug-in connector shall be supplied. The additional 	<p><u>Describe:</u></p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p>

	plug shall be mounted at the rear of the unit.	
Accessories	The successful Bidder shall furnish:	<u>Describe:</u>
	1. Two (2) sets of service manuals.	1
	2. Two (2) sets of parts manuals.	2
	3. Tool boxes(aluminum) and keyed alike.	3
	a. <u>Under hydraulic fan system</u> tool box.	a.
	b. <u>Front bumper tool box</u> . Two (2), (16 inches x 12 inches x 18 inches.)	b.
	c. <u>Behind cab tool box</u> Passenger side access. One (1), 17 inches wide, 30 inches tall, 48 inches long.	c.
	d. <u>Drivers side tool box</u> -chassis frame mounted. One (1), 24 inches long, 24 inches tall, 24 inches deep. Located between boom pedestal and boom guard.	d.
	e. <u>Drivers side sub frame fan tool box</u> - One (1) 60 inches long, 20 inches tall, 12 inches deep.	e.
	4. Six (6) 2-½ inch PVC storage tubes mounted at the rear sub frame and on boom rest (for long handled tool storage).	4
	5. Lap top work station. No drilling required and mounted to passenger side seat base. Ram Mount Big Rig No Drill Laptop or equivalent.	5
	6. Pure sine wave power inverter 700 Watt minimum. Must have 2 GFCI outlet minimum, and USB port. Inverter must be hard wired into the truck electrical system, <u>(plugged into the 12-volt power point will not be accepted)</u> .	6
	7. Flexible Hose guide. Two (2) must be provided with a restraining rope for protection of rodder hose around sharp corners and inverts. Tiger Tail or equivalent.	7

Warranty	The truck cab & chassis shall carry a standard manufacturer's warranty. The debris body system shall carry a standard manufacturer's warranty. The debris body itself shall carry a five-year warranty. The Vacuum system compressor shall carry a five-year warranty. Successful Bidder shall supply local service warranty and repair work.	<u>State warranties:</u> <u>Truck cab chassis.</u> <u>Debris body</u> <u>Vacuum system compressor</u>
<u>Options</u>		
Option 1	Automatic rear differential lock for rear axle.	<u>Describe:</u>
Option 2	Rodder Nozzle assemblies and hose guide as follows: a) Four (4) Pipe Wolf nozzles Part #1-0321-6020-C or equivalent. b) Six (6) 3-inch General Purpose Nozzle Part # 58929 c) Four (4) Chisel Nozzle Part #1-0212-8020-C or equivalent. d) Six (6) Wart Hog Part# WGR MAGNUM Nozzle or equivalent. e) Four (4) Agitator Nozzle Part# 49002 BJC or equivalent.	<u>Describe:</u> <u>a)</u> <u>b)</u> <u>c)</u> <u>d)</u> <u>e)</u>
Option 3	Training: Initial training of the product and any additional training that is needed shall be provided at no cost to the City of Tulsa.	<u>Describe:</u>
Option 4	Hose Repair Tool: a) A manually operated hose swedging tool Aeroquip Model #FT-1282, or equivalent, for installation of hose ends, equipped with a quick mount on front bumper.	<u>Describe:</u> <u>a)</u>

	b) Fifty (50) swedge type hose end fittings and Twenty-Five (25) swivel connectors, compatible with rodder hose shall, be supplied.	<u>b)</u> <hr/> <hr/> <hr/>
Option 5	<p>Extended Warranty on Truck Cab & Chassis: Bidder <u>must include warranty information</u> on what is covered and what is not covered. Extended Warranty for 5 years or 150,000 miles on:</p> <p>a) Engine, to include Engine electronics, turbo, and injectors.</p> <p>b) Engine after treatment and DPF.</p> <p>c) Transmission.</p> <p>d) Chassis Electronics, including wiring harnesses.</p>	<u>Describe:</u> <hr/> <hr/> <hr/> <hr/> <hr/> <p><u>a)</u> <hr/> <hr/> </p> <p><u>b)</u> <hr/> <hr/> </p> <p><u>c)</u> <hr/> <hr/> </p> <p><u>d)</u> <hr/> <hr/> </p>
Option 6	<p>Extended Warranty on entire high-pressure sewer cleaner module. Price shall include all parts and labor</p> <p>a) 3 Year extended warranty.</p> <p>b) 5 Year extended warranty.</p>	<u>Describe:</u> <hr/> <hr/> <hr/> <hr/> <hr/> <p><u>a)</u> <hr/> <hr/> </p> <p><u>b)</u> <hr/> <hr/> </p>
Option 7	<p>Preventative maintenance agreement on the complete truck to include the vacuum and jet rodder features. Including all manufactures recommended maintenance, oils, fluids and filters changes, lubrication points, adjustments, etc. All oil, fluids, filters, and any other item recommended by manufacturer to be included. Successful bidder must be able to perform maintenance within the City of Tulsa city limits. Please attach all documentation on the agreement, to include service every 180 days.</p> <p>a) 3 Year Maintenance</p> <p>b) 5 Year Maintenance</p> <p>c) 10 Year Maintenance</p>	<u>Describe:</u> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p><u>a)</u> <hr/> <hr/> </p> <p><u>b)</u> <hr/> <hr/> </p> <p><u>c)</u> <hr/> <hr/> </p>

Option 8	<p>360 Degree Exterior Monitoring Camera System:</p> <p>Brigade Backeye 360 Select or equivalent. Must include:</p> <ul style="list-style-type: none"> • Wireless Transmitter • Adapter to connect transmitter to 360-degree system • Wireless Receiver • Adapter to connect receiver and VBV cable • Mobile digital recorder (MDR) • Adaptor to connect 360 to MDR (one per camera). • Video source bulkhead plugs, cables, etc. 	<p><u>Describe:</u></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
	<p>Ref: High pressure sewer cleaner and vacuum, Water & Sewer, Sewer, FY 18-19</p>	

III. BID SUBMISSION INSTRUCTIONS AND INFORMATION

1. **Bidder Registration:** To ensure timely updates and alerts about business opportunities with the City, interested Bidders should register as a Bidder with the City. To register, interested Bidders should complete the City's online vendor registration form ([linked here](#)). If You have any questions regarding registration, email Jina Djahedian at purchasing@cityoftulsa.org or check the City's "[Selling to the City](#)" Website.
2. **Pre-Bid Conference:** If a pre-Bid conference is required, see the first page for time, location, and teleconference link.

No Pre-Bid Conference Will Be Held

3. **Questions and Concerns:** As You prepare Your Bid response, You may have questions or points of clarification around this Solicitation. Any questions or comments about this Invitation for Bid must be sent via e-mail to the buyer listed on the first page "Assigned Buyer" and be received at least **10 Days prior to the Bid Submission Date**. Please include the IFB Bid number (as indicated on the title page) on all communications. Bidders may only communicate with the City through the Assigned Buyer – communication with other City staff could result in disqualification.
4. **Issuing of Addenda:** The City may addend or amend its IFB at any time before the Bid Submission Date. In addition to registering as a Bidder with the City, Bidders can check the "Purchasing Bid Opportunities & Results" page on the City Website for the latest updates ([linked here](#)). Any such amendments shall become a part of the Agreement. You must acknowledge receipt of any Addenda or Amendments by writing in the issued Addenda numbers on Exhibit A – Delivery and Pricing. City may reject any Bid that fails to acknowledge any Addenda or Amendments.
5. **Submission and Receipt of Bids:** The City requires two completed Invitation for Bids: 1 Original and 1 Copy. Each must be clearly labeled on the front sheet indicating "Original" or "Copy." Use the Bidder Checklist to ensure Your Bid includes all required components. If a copy on electronic media is also required, the box below will be checked.

☐ Electronic Copy also required.

Bids must be received no later than 5:00 PM (CST) on the Bid Submission Date (see first page) and delivered to:

**City of Tulsa - City Clerk's Office
175 East 2nd Street, Suite 260
Tulsa Oklahoma 74103**

Bids must be sealed and either mailed or delivered. The package, container, or envelope should contain both of Your completed Bids, the original and the copy. Please use the provided label on the last page of this IFB to clearly write the Bidder's legal name and Bid number on the outside of the package, container, or envelope. No faxed or emailed Bids will be considered.

Bids received after the stated date and time **will not be accepted**. The timestamp clock located at the City Clerk's Office on the second floor of City Hall at 175 East 2nd Street, Suite 260, Tulsa, Oklahoma, 74103 is the City's official bid clock for this IFB. Timeliness of Bid submittals will be determined using only this clock.

Exceptions to Timeliness Requirement

The Purchasing Agent, at his/her sole discretion, may make exceptions only for the following reasons:

- City Hall closed for business for part or all of the day on the date the response was due;
- If the Purchasing Agent deems it appropriate due to large-scale disruptions in supply chains and the transportation industry that may have prevented delivery as required;
- If documented weather conditions caused the late delivery. You must provide documentation of such weather to the satisfaction of the Purchasing Agent.

In the event that the Bid submittal is delivered after the time specified and does not meet the exceptions listed above, the Bid will not be accepted and the submittal envelope will not be opened.

The City will not be liable for delays in delivery of Bids to the City due to handling by the U.S. Postal Service, or any other type of delivery service. The City reserves the right to postpone the date and time for submittal of Bids at any time prior to the Bid Opening Date or to delay or reschedule the Bid Opening Date for its own convenience.

The City reserves the right to cancel, revise, or amend this IFB and associated bidding documents up to the time specified for receipt of Bids.

6. **Bid Opening**: All Bid openings are public and take place at 8:30 a.m. Thursday, the day after Bids are due. The Bid openings are held in the City of Tulsa Council Meeting Room, 175 East 2nd Street, 2nd Floor, Tulsa, Oklahoma.

IV. BID EVALUATION AND AWARD

1. **Bid Evaluation**: The Assigned Buyer and departmental staff will work together to determine the winning Bid. Generally speaking, the Bid award will go to the **Lowest Secure Bidder: the Supply or Service that can best meet the City's needs at the lowest cost**. In addition to price and specifications, the Buyer and departmental staff may also evaluate Bidder history and experience, delivery time, maintenance requirements, and performance data, among other factors.
2. **Bid Rejection or Withdrawal**: The City may reject any or all Bids in whole or in part. Reasons a Bid may be rejected include, but are not limited to the following:
 - A submitted Bid does not contain all the necessary materials, signatures, and/or affidavits (listed on the included checklist);
 - The Bid does not meet specifications and requirements in some material way;
 - The Bidder holds outstanding debt to the City;
 - The Bidder adds additional terms and conditions that modify IFB requirements or attempt to limit Bidder's liability to the City.

City reserves the right to waive minor deficiencies of specifications, technicalities or informalities in a Bid, provided that the best interest of the City would be served without prejudice to the rights of other Bidders. Bid withdrawal, meanwhile, may only be accomplished by having an Authorized Agent request the withdrawal in person at the City Clerk's office before the City's close of business on the Bid Submission Date.

3. **Bid Award Recommendation and Appeal**: Upon confirming the Bid recommended for selection, the Assigned Buyer will email all participating Bidders a memo announcing the recommended Bid. This email will also share the time, date, and virtual meeting link for the Standard, Specifications, and Award (SSA) committee meeting where the Bid award recommendation will be reviewed.

If approved by SSA, the award recommendation is then sent to the Mayor for the Mayor's final approval. SSA meetings are held Thursdays at 8:30am in the City of Tulsa Council Meeting Room, 175 East 2nd Street, 2nd Floor, Tulsa, Oklahoma. The meeting will be held on a given Thursday at 8:30 am, depending on when the Bid award has been determined. During this meeting, Bidders who are not recommended for award can issue an appeal and ask that the Bid award be reconsidered. Bidders who are not recommended for award can also email the Assigned Buyer prior to the SSA meeting if they have any questions or concerns regarding the award recommendation.

If/when the Bid award is approved by the SSA committee, the City will make available on the City's Purchasing Website a summary of Bids received generally within 5 working days after the Bid Opening Date. After a Bid award is recommended to the Mayor, a copy of the Bid summary will be available in the City Clerk's Office. Bid results are not provided in response to telephone or email inquiries. All Bid awards are subject to Acceptance by the City.

V. BID PROCESSING

1. **Forms, Notice to Proceed, and Irrevocability of Offer:** If the City Accepts Your Bid, You will have ten (10) Days from notification of the Acceptance to provide a completed IRS form W-9. You cannot start work until authorized to do so by the Purchasing Agent or a representative.

Bidder understands and acknowledges that the offer submitted as the Bid is firm and irrevocable from the City's close of business on the Bid Submission Date until the date the City Accepts the Bid or 365 Days after the Bid Opening Date, whichever is earlier.

2. **Purchase Order Without Contract:** If the successful Bid is less than One Hundred Thousand Dollars (\$100,000), the City, in its sole discretion, may Accept the Bid upon written approval of the Mayor rather than execute the Purchase Agreement. Instead, the City will purchase the Supplies and/or Services by issuing a purchase order. In any event, the terms of this IFB will govern the transaction and be enforceable by the City and Seller.

3. **Insurance:**

Yes: ☐

No: ☒

Seller and its subcontractors must obtain at Seller's expense and keep in effect so long as City is purchasing Supplies or Services from Seller pursuant to this Bid, policies of insurance in the minimum amounts set forth below and Workers' Compensation and Employer's Liability insurance in the statutory limits required by law.

General Liability: personal injury and property damage, each occurrence	\$1,000,000.00
Workers' Compensation	(Statutory limits)

Seller's insurer must be authorized to transact business in the State of Oklahoma. Seller will have 10 Days after notification that its Bid was Accepted by the City to provide proof of coverage. The Certificate of Insurance must be completed with the following information:

- A. Your name
- B. Insurer's name and address
- C. Policy number
- D. Liability coverage and amounts
- E. Commencement and expiration dates
- F. Signature of authorized agent of insurer

Seller shall not cause any required insurance policy to be cancelled nor permit it to lapse. Failure of the Seller to comply with the insurance requirements may be deemed a breach of the contract.

4. **Bonding:**

Yes: ☐

No: ☒

5. **Federal Funding:** If the box is checked "Yes," federal funding is involved with this purchase:

Yes: ☐

No: ☒

6. **References:** If the box is checked "Yes," References are **required:**

Yes: ☒

No: ☐

If yes, number of references required: 2

For each reference, the following information must be included: Company Name, Contact Name, Address, Phone Number, E-Mail Address, and the supplies or services provided.

Company Name:	_____
Contact Name:	_____
Address:	_____
Phone Number:	_____
Email Address:	_____
Description of Supplies/Services Provided:	_____

Company Name:	_____
Contact Name:	_____
Address:	_____
Phone Number:	_____
Email Address:	_____
Description of Supplies/Services Provided:	_____

EXHIBIT A – DELIVERY AND PRICING

Bidder's Legal Name: _____
 (Must be Bidder's company name as reflected on its organizational documents, filed with the state in which Bidder is organized)

Delivery: If Your Bid is Accepted, state the number of Days You need to deliver the Supplies and/or to begin providing Services: _____

You must be able to deliver the Supplies and/or Services as specified in Your Bid. Failure to do so may result in City terminating the Agreement and pursuing collection under any performance bond, as well as seeking any other damages to which it may be entitled in law or in equity.

Pricing:

Item	Description	Estimate Annual QTY	Unit Cost	Extended Cost
1	66,000 LB. GVW Dual rear wheel cab chassis. High Pressure Sewer Cleaner and Vacuum unit.	1	\$	\$
Options				
1	Automatic rear differential lock for rear axles.	1	\$	\$
2a	Pipe Wolf Nozzles Part # 1-0321-6020-C or equivalent.	1	\$	\$
2b	3-inch General Purpose Nozzle Part # 58929 or equivalent.	1	\$	\$
2c	Chisel Nozzle Part # 1-0212-8020-C or equivalent.	1	\$	\$
2d	Wart Hog Part # WGR MAGNUM Nozzle or equivalent.	1	\$	\$
2e	Agitator Nozzle Part # 49002 BJC or equivalent.	1	\$	\$
3	Training of the product and any additional training that is needed shall be provided at no cost to the City of Tulsa.	1	\$	\$
4	Hose Repair Tool. Aeroquip Model # FT-1282 or equivalent	1	\$	\$
5	Extended Warranty on Truck Cab & Chassis for 5 years or 150,000 miles.	1	\$	\$
6	Extended Warranty on entire High-Pressure Cleaner Module. Price shall include all parts and labor.			
6a	Three (3) year Extended Warranty	1	\$	\$
6b	Five (5) year Extended Warranty	1	\$	\$
7	Preventative Maintenance Agreement. Preventative maintenance to be done on 180 day intervals.			

7a	Three (3) year Agreement	1	\$	\$
7b	Five (5) year Agreement	1	\$	\$
7c	Ten (10) year Agreement	1	\$	\$
8	360 degree exterior camera system	1	\$	\$
TOTAL COST NOT TO EXCEED: (All costs must be included or Your Bid will be disqualified)		\$ _____		

THE CITY DOES NOT GUARANTEE ANY SPECIFIC QUANTITY OR NUMBER OF PURCHASES, IF ANY, THAT WILL BE MADE DURING THE AGREEMENT TERM.

Annual Price Adjustment. The prices bid for any Supplies and/or Services shall not increase during the first year of the term of the Agreement. However, if You anticipate that You will not be able to maintain firm prices after the first year of the term, You may request an annual change in price using one of the following methods:

- The increase is limited to the change in the Consumer Price Index from BLS Table 1* (web link below) from the prior year
- Or the following fixed percentage: _____ %.

*Web Link: <https://www.bls.gov/news.release/cpi.t01.htm>

Addenda

The Bidder acknowledges receipt of Addenda to the IFB as follows. (Please write in each Addenda number issued, if applicable):

Addenda #

Addenda #

Addenda #

Addenda #

Addenda #

State of Organization: _____

Bidder's Type of Legal Entity: (check one)

- | | |
|--|--|
| <input type="checkbox"/> Sole Proprietorship | <input type="checkbox"/> Limited Partnership |
| <input type="checkbox"/> Partnership | <input type="checkbox"/> Limited Liability Partnership |
| <input type="checkbox"/> Corporation | <input type="checkbox"/> Limited Liability Limited Partnership |
| <input type="checkbox"/> Limited Liability Company | <input type="checkbox"/> Other: _____ |

Bidder's Address: _____
Street City State Zip Code

Bidder's Website Address: _____

Sales Contact:

Name: _____
Title/Position: _____
Street: _____
City: _____
State: _____
Phone: _____
Email: _____

Contact for Legal Notice:

Name: _____
Title/Position: _____
Street: _____
City: _____
State: _____
Phone: _____
Email: _____

How did you learn about this business opportunity with the City of Tulsa?

- ☐ Email from Assigned Buyer
- ☐ City of Tulsa Website
- ☐ Tulsa World posting
- ☐ Purchasing search engine
- ☐ Industry colleague
- ☐ Other: _____

AFFIDAVIT
NON-COLLUSION, INTEREST, AND CLAIMANT

STATE OF _____)
COUNTY OF _____)ss.

I, _____, of lawful age, being first duly sworn, state that:
(Seller's Authorized Agent)

1. I am the Authorized Agent of Seller herein for the purposes of certifying facts pertaining to the existence of collusion between and among Bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the proposal to which this statement is attached.
2. I am fully aware of the facts and circumstances surrounding the making of Seller's Bid to which this statement is attached, and I have been personally and directly involved in the proceedings leading to the submission of such Bid; and
3. Neither the Seller nor anyone subject to the Seller's direction or control has been a party:
 - a. to any collusion among Bidders in restraint of freedom of competition by agreement to respond at a fixed price or to refrain from responding,
 - b. to any collusion with any municipal official or employee as to quantity, quality, or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between Bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.
4. No officer or employee of the City of Tulsa either directly or indirectly owns a five percent (5%) interest or more in the Bidders business or such a percentage that constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa own an interest in the Bidders business which is less than a controlling interest, either direct or indirect.

5. All invoices to be submitted pursuant to this agreement with the City of Tulsa will be true and correct.
6. That the work, services or material furnished will be completed or supplied in accordance with the plans, specifications, orders, requests or contract furnished or executed by the affiant. Affiant further states that (s)he has made no payment directly or indirectly to any elected official, officer or employee of the City of Tulsa or of any public trust where the City of Tulsa is a beneficiary, of money or any other thing of value to obtain payment of the invoice or procure the contract or purchase order pursuant to which an invoice is submitted. Affiant further certifies that (s)he has complied with all applicable laws regarding equal employment opportunity.

By: _____
Signature
Title: _____

Subscribed and sworn to before me this _____ day of _____, 20____.

Notary Public

My Commission Expires: _____

Notary Commission Number: _____

The Affidavit must be signed by an Authorized Agent and notarized

PURCHASE AGREEMENT

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INSTRUCTIONS: Bidder must properly sign and return this document or Bid may be **rejected**. Your signature on this document indicates You have read and understand these terms and conditions and agree to be bound by them.

THIS PURCHASE AGREEMENT is between the CITY OF TULSA, OKLAHOMA, a municipal corporation, 175 East 2nd Street, Tulsa, Oklahoma, 74103-3827 (the "City") and:

(Bidder's company name as reflected on its organizational documents filed with the state in which Bidder is organized; not simply DBA and address) (the "Seller").

WITNESSETH:

WHEREAS, the City has approved certain specifications and advertised for or solicited Bids on the following supplies or services:

TAC 1177B High-Pressure Sewer Cleaner and Vacuum

(the "Supplies and/or Services").

WHEREAS, Seller submitted a Bid and desires to provide the Supplies and/or Services to City;

WHEREAS, Seller acknowledges that its signature on this Purchase Agreement constitutes an irrevocable offer to provide the Supplies and/or Services specified in the Agreement and that if Accepted by the City's Mayor, this document will become the contract for such Supplies and/or Services.

NOW, THEREFORE, for and in consideration of the terms, covenants and conditions hereinafter set forth, the parties hereto agree as follows:

1. Definitions.

- 1.1. **"Acceptance" or "Accepts"** with respect to a Bid means either (1) City's execution of the Purchase Agreement, or (2) Mayor's written approval of the Bid award recommendation and issuance of a purchase order on behalf of the City if the purchase is for an amount less than One Hundred Thousand Dollars (\$100,000) and the City determines it is in its best interests.
- 1.2. **"Acceptance"** with respect to delivery of the Supplies and/or Services shall mean City's written acknowledgment that Seller has satisfactorily provided such Supplies and/or Services as required.
- 1.3. **"Addenda" "Addendum" or Amendment(s)"** means a clarification, revision, addition, or deletion to the Invitation for Bid by City which will become a part of the agreement between the parties.
- 1.4. **"Agreement"** consists of the Invitation for Bid and the Purchase Agreement.
- 1.5. **"Bid Opening Date"** means the date the Bid is opened by the City.
- 1.6. **"Bid Submission Date"** means the date the Bid is due from Bidder to the City.
- 1.7. **"City"** means the City of Tulsa, Oklahoma.
- 1.8. **"Days"** means calendar days unless otherwise specified.
- 1.9. **"Invitation for Bid" or "IFB"** consists of the following documents: Cover page, Sections I-V, Exhibit A – Delivery and Pricing, Affidavit(s), Purchase Agreement, and Bidder Checklist.
- 1.10. **"Primary Seller"** means the Seller whose Bid City Accepts as the principal seller of the Supplies and/or Services required.
- 1.11. **"Purchasing Ordinance"** means Tulsa Revised Ordinances, Title 6, Chapter 4 et seq.
- 1.12. **"Secondary Seller"** means the Seller whose Bid City Accepts as a back-up seller in the event the Primary Seller is unable to provide all the Supplies and/or Services.
- 1.13. **"Seller"** means the Bidder whose Bid City Accepts.
- 1.14. **"Specifications"** means the technical and/or performance requirements for the Supplies or Services.
- 1.15. **"You" or "Your"** means the Bidder responding to this Invitation for Bid or the Seller whose Bid the City Accepts.
- 1.16. **"Website"** means the City of Tulsa's website for the Purchasing Division: www.cityoftulspurchasing.org

2. **Order of Precedence.** Capitalized terms used but not defined herein will have the respective meanings given to them in the Purchasing Ordinance. In the event of conflicting or ambiguous language between this Purchase Agreement, any of the other Agreement documents, and additional information submitted by the Seller and Accepted by City, the parties shall be governed first according to this Purchase Agreement, second according to the remainder of the documents included in the Agreement and third according to any additional information submitted by Seller and Accepted by City.

3. **Purchase and Sale.** Seller agrees to sell City the Supplies and/or Services for the price and upon the delivery terms set forth on Exhibit A – Delivery and Pricing. City agrees to pay Seller the price as set forth in Exhibit A based on (a) the quantity actually purchased in the case of Supplies and/or Services priced by unit, or (b) the total price for a stated quantity of Supplies and/or Services, upon (i) delivery of the Supplies and/or Services to the City, (ii) the City's Acceptance thereof, and (iii) Seller's submission and City's approval of a verified claim for the amount due. City shall not pay any late charges or fees.

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4. **Term.** The term of the Agreement begins on the date the Mayor/Mayor Pro Tem of the City of Tulsa executes this Purchase Agreement and terminates one year from that date. City in its sole discretion may offer Seller an opportunity to renew this Agreement up to an additional four (4) one (1) year term(s). Seller understands and acknowledges that any future contracts or renewals are neither automatic nor implied by this Agreement. City's continuing purchase of the Supplies and/or Services set forth in this Agreement is subject to City's needs and to City's annual appropriation of sufficient funds in City's fiscal year (July 1st to June 30th) in which City purchases Supplies and/or Services. In the event City does not appropriate or budget sufficient funds to perform this Agreement, this Agreement is null and void without further action by City.

The City may extend the Agreement for ninety (90) days beyond a final renewal term at the price and upon the delivery terms set forth on Exhibit A – Delivery and Pricing. The City, at its sole option and to the extent allowable by law, may choose to exercise subsequent ninety (90) day extensions upon the price and upon the delivery terms set forth on Exhibit A – Delivery and Pricing to facilitate the finalization of related terms and conditions of a new award or as needed for transition to a new Seller.

5. **Supplies Warranty.** With respect to all Supplies to be delivered under this Agreement, Seller warrants to City that such Supplies will be of good materials and workmanship and free from defects and will conform to the Specifications provided by City. In addition, Seller shall assure that the Supplies purchased hereunder are covered by all available and applicable manufacturers' warranties for such Supplies and expressly agrees that it will be responsible for performing all warranty obligations set forth in the Specifications for the Supplies.
6. **Services Warranty.** With respect to all Services to be performed under this Agreement, Seller warrants that it shall perform the Services using personnel of required skill, experience, and qualifications and in a professional and workmanlike manner in accordance with generally recognized industry standards for similar services and in accordance with the Specifications provided by City.
7. **Warranty Period.** Seller agrees that all warranties set forth herein will remain in effect for a period of one (1) year from the date City Accepts the Supplies and/or Services, or as specified in the Specifications, whichever is later. Seller shall not disclaim or otherwise limit the express warranties set forth herein.
8. **Warranty Remedies.** City shall notify Seller if any of the Supplies and/or Services fails to meet the warranties set forth above. If the failure is with Supplies, then Seller shall promptly correct, repair or replace such Supplies at its sole expense and/or if the failure is with a Service, then Seller shall promptly reperform such Service at Seller's sole expense. Notwithstanding the foregoing, if City determines that such Supplies and/or Services are defective or non-conforming within the first thirty (30) Days after the date of Acceptance by City, then Seller at City's option shall refund the entire purchase price, and, in the case of Supplies, City shall promptly return such Supplies to Seller. Seller shall pay all expenses related to the return of such Supplies to Seller.
9. **Rejection, Seller Bears Risk.** All Supplies and Services purchased in the Agreement are subject to approval by the City. Rejection of Supplies or Services, resulting because of nonconformity to the terms, conditions, and Specifications of this Agreement, whether held by the City or returned, will be at Seller's risk and expense. Seller shall bear the risk of loss or damage at all times until the Acceptance of the Supplies or Services by City.
10. **Force Majeure.** Seller will not be responsible for delays in delivery of the Supplies or Services due to acts of God, government action or inaction, fire, war, or riot, provided Seller notifies the City immediately, in writing of such pending or actual delay. Normally, in the event of any such delays (acts of God, etc.) the date of delivery of the Supplies or Services will be extended for a period equal to the time lost due to the reason for delay.
11. **Conflict of Interest.** By signing this Purchase Agreement, Seller covenants that it has no direct or indirect pecuniary or proprietary interest, and that it shall not acquire an interest that conflicts in any manner or degree with the Supplies or Services required to be provided or performed under the Agreement. Furthermore, Seller shall not employ any person or agent having any such conflict of interest. In the event that the Seller or its agents, employees or representatives hereafter acquires such a conflict of interest, it shall immediately disclose such interest to the City and take action immediately to eliminate the conflict or to withdraw from this contract, as the City requests.
12. **No Indemnification by City.** Seller understands and acknowledges that City is a municipal corporation that is funded by its taxpayers to operate for the benefit of its citizens. Accordingly, and pursuant to Oklahoma law, City shall not indemnify nor hold Seller harmless for loss, damage, expense or liability arising from or related to this Agreement, including any attorneys' fees and costs. In addition, Seller shall not limit its liability to City for actual loss or direct damages for any claim based on a material breach of this Agreement. City reserves the right to pursue all legal and equitable remedies to which it may be entitled.
13. **Liability/Indemnification.** Seller shall hold City harmless for any loss, damage or claims arising from or related to its performance of the Agreement. Seller must exercise all reasonable and customary precautions to prevent any harm or loss to all persons and property related to the Agreement. Seller agrees to indemnify and hold the City harmless from all claims, demands, causes of action or suits of whatever nature arising out of the Supplies, Services, labor, or materials furnished by Seller or Seller's subcontractors under this Agreement. In addition, Seller agrees to indemnify, defend, and save harmless City and its officers, employees and agents from all suits and actions of any nature brought against them due to the use of patented appliances, products or processes provided by Seller hereunder. Seller shall pay all royalties and charges incident to such

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patents.

14. **No liens.** Pursuant to City's Charter (Art. XII, §5), no lien of any kind shall exist against any property of City. Seller shall deliver all Supplies to City free and clear of liens. Delivery by Seller to City of Supplies which are subject to liens shall be a material breach of the Agreement and all damages and costs incurred by City because of the existence of such liens shall be paid to City by Seller. At City's option, City may return such Supplies to Seller and Seller shall pay the cost of returning such Supplies and reimburse City for any payments made for such Supplies.
15. **No Insurance by City.** If City is leasing Supplies herein, City shall not be required to obtain insurance for Seller's property. Seller shall be solely responsible for any insurance it deems necessary. City is self-insured for its own negligence, subject to the limits of the Governmental Tort Claims Act (51 O.S. § 151 et seq.).
16. **No Confidentiality.** Seller understands and acknowledges that City is subject to the Oklahoma Open Records Act (51 O.S. §24A.1 et seq.) and therefore cannot assure the confidentiality of this Agreement or other information provided by Seller pursuant to this Agreement that would be inconsistent with City's compliance with its statutory requirements thereunder.
17. **Compliance with Laws.** Seller shall comply, and ensure its subcontractors used in the performance of this Agreement comply with all applicable federal, state and local laws, regulations and standards. Seller is responsible for any costs of such compliance. Seller certifies that it and all its subcontractors to be used in the performance of this Agreement are in compliance with 25 O.S. Sec. 1313 and participate in the Status Verification System. The Status Verification System is defined in 25 O.S. Sec. 1312 and includes but is not limited to the free Employee Verification Program (E-Verify) available at www.dhs.gov/E-Verify.
18. **Termination.** City, by written notice, may terminate this Agreement, in whole or in part, when such action is in the best interest of City. If City terminates this Agreement, City shall be liable only for payment for Supplies accepted and Services rendered prior to the effective date of termination. City's right to terminate this Agreement is cumulative to any other rights and remedies provided by law or by this Agreement.
19. **Payment.** Invoices should be e-mailed to the City of Tulsa – Accounts Payable at: apinvoices@cityoftulsa.org. Payment will be made net 30 days after receipt of a properly submitted invoice or the City's Acceptance of the Supplies or Services, whichever is later.

Each invoice must be fully itemized, identifying Supplies provided and/or Services performed, and must bear the purchase order number assigned by the City.

The purchase order number shall appear on all invoices, packing lists, packages, shipping notices, instruction manuals and other written documents relating to the Supplies or Services. Packing lists shall be enclosed in each and every box or package shipped pursuant to this Agreement, indicating the content therein.

20. **Price Changes.** The parties understand and agree that the variables in Seller's cost of performance may fluctuate, but any change in Seller's cost of performance will not alter its obligations under this Agreement, nor excuse performance or delay on Seller's part. Notwithstanding the foregoing, after the first year of the term, the Seller may request a price increase in addition to any other price increase set forth in this Agreement. In its sole discretion, the City may approve the request if it determines that such price increase is in the City's best interest.
21. **Right to Audit.** Seller agrees that Seller's books, records, documents, accounting procedures, practices, price lists or any other items related to the Supplies and/or Services provided hereunder are subject to inspection, examination, and copying by City or its designees. City requires Seller to retain all records related to this Agreement for the duration of the term of this Agreement and a period of three years following completion and/or termination of the Agreement. If an audit, litigation or other action involving such records begins before the end of the three-year period, Seller shall maintain the records three years after the date that all issues arising out of the action are resolved or until the end of the three-year retention period, whichever is later.
22. **Notice.** Any notice, demand, or request required by or made pursuant to this Agreement will be deemed properly made if personally delivered in writing or deposited in the United States mail, postage prepaid, to the following:

To Seller:

To CITY:

Contact for Legal Notice as specified on Exhibit A – Delivery and Pricing form.
City Clerk
CITY OF TULSA, OKLAHOMA
175 E. 2nd Street, Suite 260
Tulsa, Oklahoma 74103

With a copy to:

Tulsa Purchasing Division
175 E. 2nd Street, 15th Floor
Tulsa, OK 74103

23. **Relationship of Parties.** The Seller is and shall always remain an independent contractor with respect to activities and conduct while engaged in the performance of services for the City under this Agreement. No employees, subcontractors or agents of the Seller will be deemed to be employees of the City for any purpose whatsoever, and none will be eligible to participate in any benefit program provided by the City for its employees. The Seller shall be solely responsible for the payment

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of all employee wages and salaries, taxes, withholding payments, fringe benefits, insurance premiums, continuing education courses, materials or related expenses on behalf of its employees, subcontractors, and agents. Nothing in this Agreement will be construed to create a partnership, joint venture, or agency relationship among the parties. No party will have any right, power or authority to act as a legal representative of another party, and no party will have any power to obligate or bind another party,

or to make any representations, express or implied, on behalf of or in the name of the other in any manner or for any purpose whatsoever.

24. **Third Parties.** This Agreement is between City and Seller and creates no right unto or duties to any other person. No person is or will be deemed a third-party beneficiary of this Agreement.
25. **Time of Essence.** City and Seller agree that time is deemed to be of the essence with respect to this Agreement. The Agreement is subject to cancellation by the City for Seller's failure to deliver on time. All deliveries are required F.O.B to the City's facilities. For any exception to the delivery date specified in the Agreement, Seller shall give prior written notification and obtain written approval from the City. The Acceptance by the City of later performance with or without objection or reservation shall neither waive the City's right to claim damages for such breach nor constitute a waiver of the requirements for the timely performance of any obligation remaining to be performed by Seller.
26. **Binding Effect.** This Agreement shall be binding upon City and Seller and their respective successors, heirs, legal representatives and permitted assigns.
27. **Headings.** The headings used herein are for convenience only and will not be used in interpreting this Agreement
28. **Severability Provision.** If any term or provision herein is determined to be illegal or unenforceable, the remainder of this Agreement will not be affected thereby. It is the intention of the parties that if any provision is held to be illegal, invalid or unenforceable, there will be added in lieu thereof a provision as similar in terms to such provision as is possible to be legal, valid and enforceable.
29. **Governing Law and Venue.** This Agreement is executed in and shall be governed by and construed in accordance with the laws of the State of Oklahoma without regard to its choice of law principles, which shall be the forum for any lawsuits arising under this Agreement or incident thereto. The parties stipulate that venue is proper in a court of competent jurisdiction in Tulsa County, Oklahoma and each party waives any objection to such venue. City does not and will not agree to binding arbitration of any disputes.
30. **No Waiver.** A waiver of any breach of any provision of this Agreement shall not constitute or operate as a waiver of any other provision, nor shall any failure to enforce any provision hereof operate as a waiver of the enforcement of such provision or any other provision.
31. **Entire Agreement.** The entire agreement between City and Seller is contained in the Agreement. No verbal agreement between the parties is binding. Any scope of services, scope of work, quote, invoice, acknowledgment or other communication or other document issued by Seller in connection with this Agreement will be for the purposes of describing in greater detail the Supplies and/or Services (as applicable) to be provided. Seller's rejection or modification of the terms set forth in the City's IFB is void and of no effect, unless any such modification improves upon the City's terms or Specifications, in which case the improvement is accepted. Seller understands and acknowledges that if it adds terms and conditions to its Bid that are different from the terms set forth herein that City may reject the Bid as non-responsive.
32. **Amendment/No Assignment.** The Agreement may only be modified or amended in a writing signed by both parties. Notwithstanding anything to the contrary stated herein or in the attachments to this Agreement, no future agreements, revisions or modifications that may be required under this Agreement are effective or enforceable unless such terms, revisions or modifications have been reduced to writing and signed by City and Seller. Seller may not assign this Agreement or use subcontractors to provide the Supplies and/or Services without City's prior written consent. Seller shall not be entitled to any claim for extras of any kind or nature.
33. **Multiple Counterparts.** This Purchase Agreement may be executed in several counterparts, each of which will be deemed an original, but which together will constitute one and the same instrument.
34. **Interpretive Matters and Definitions.** The following interpretive matters shall be applicable to this Agreement:
 - 34.1. Unless the context otherwise requires: (a) all references to Sections are to Sections of or to this Agreement; (b) each term defined in this Agreement has the meaning assigned to it; (c) "or" is disjunctive but not necessarily exclusive; (d) words in a singular include the plural and vice versa. All references to "\$" or to dollar amounts shall be in lawful currency of the United States of America;
 - 34.2. No provision of this Agreement will be interpreted in favor of, or against, any of the parties hereto by reason of the extent to which such party or its counsel participated in the drafting thereof or by reason of the extent to which any such provision is inconsistent with any prior draft hereof or thereof;
 - 34.3. Any reference to any applicable laws will be deemed to include all rules and regulations promulgated thereunder and judicial interpretations thereof, unless the context requires otherwise;

PURCHASE AGREEMENT

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34.4. The word "including" means "including, without limitation" and does not limit the preceding words or terms; and

34.5. All words used in this Agreement will be construed to be of such gender, number or tense as circumstances require.

35. **Equal Employment Opportunity.** Seller agrees to comply with all applicable laws regarding equal employment opportunity and nondiscrimination.

36. **Authority to Bind.** The undersigned individual states that s/he has authority to bind Seller to this Agreement, that s/he has read and understands the terms of this Agreement, and that Seller agrees to be bound by this Agreement.

IMPORTANT NOTE: This document must be signed by Authorized Agent. FAILURE TO SUBMIT PROPERLY AUTHORIZED SIGNATURE MAY RESULT IN YOUR BID BEING REJECTED AS NONRESPONSIVE.

IN WITNESS WHEREOF, this Agreement has been executed in multiple copies on the dates set forth below to be effective during the period recited above.

Seller Company Name: _____

Sign Here ► _____

ATTEST:

Printed Name: _____

Title: _____

Corporate Secretary

Date: _____

**CITY OF TULSA, OKLAHOMA,
a municipal corporation,**

ATTEST:

By: _____

Mayor

City Clerk

Date: _____

APPROVED:

Assistant City Attorney

BIDDER CHECKLIST

Use this checklist to ensure You have properly read and completed **all** documents listed below. This document (the IFB) contains all the following materials, which must be completed and returned to the City of Tulsa City Clerk's Office in a mailed envelope with the affixed packing label (found on the last page). Each of these documents will form the resulting Agreement between the City and Seller.

Remember: Bids must be sealed and either mailed or delivered. Please use the provided label to clearly write the Bidder legal name and Bid number on the outside of the package, container, or envelope. The package, container, or envelope should contain both of Your completed Bids, the original and the copy. No faxed or emailed Bids will be considered. Unless otherwise stated herein, Bids received after the stated date and time **will not be accepted**.

Bidder's Name: _____

BIDDER CHECKLIST		
BIDDER DOCUMENTS	PAGES	INCLUDED?
Notice of Invitation for Bid (Cover page and Sections I-IV)	1-2, 33-36	
Specifications	3-32	
References (if applicable)	37	
EXHIBIT A: Delivery and Pricing	38-40	
Affidavits <i>Signatures of Authorized Agent and notarization required</i>	41	
Purchase Agreement <i>Complete legal name in first paragraph and signature block. Signature by Authorized Agent required.</i>	42-46	

PACKING LABEL

Top Left Corner

Your Company Name

Street Address

City, State, Zip Code

FROM:

City of Tulsa - City Clerk's Office

175 East 2nd Street, Suite 260

Tulsa, OK, 74103

Bidder Submission For:

BID# TAC 1177B

BID DESCRIPTION: High-Pressure Sewer Cleaner and Vacuum

Please affix this label on the package, container, or envelope containing Your two completed Bids: one labeled "Original," the other labeled "Copy." We recommend that both Bids (original and copy) be sent in the same envelope.

This label is designed to assist Your Bid in getting to the correct office (City Clerk's) and that it is associated with the correct Solicitation (indicated by the Bid number). Bids must be sealed and either mailed or delivered to the City Clerk's Office. Bids must also be received no later than 5:00 PM (CST) on date listed on the first page of the IFB.