



**Request for Proposal  
Hydro Excavation Truck  
September 20<sup>th</sup>, 2019**

# City of Fargo Request for Proposal

The City of Fargo is requesting proposals for one (1) Hydro Excavation Truck. Sealed proposals will be received by the City of Fargo Auditor's Office at 225 4<sup>th</sup> Street North, Fargo, ND 58102, for the purpose of evaluating costs and operating parameters on one new Hydro Excavation Truck. Upon completion of the evaluation by the selection committee an order may be placed. Proposals will be received until 2:00 PM on September 20<sup>th</sup>, 2019.

## **CITY OF FARGO RIGHTS**

The City reserves the right to cancel this RFP in writing or postpone the date and time for submitting proposals at any time prior to the proposal due date. The City by this RFP does not promise to accept the lowest cost or any other proposal and specifically reserves the right to reject any or all proposals, to waive any formal proposal requirements, to investigate the qualifications and experience of any Proposer, to reject any provisions in any proposal, to modify RFP contents, to obtain new proposals, to negotiate the requested services and contract terms with any Proposer, or to proceed to do the work otherwise.

The City hereby notifies all proposers that it will affirmatively insure that in regard to any contract entered into, pursuant to this request, minority business enterprises will be afforded full opportunity and are encouraged to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. The City reserves the right to accept or reject any and all bids that is in the best interest of the City. All questions and inquiries will be addressed to:

Water Department Operational Questions:

Matt Andvik  
Public Works Services Manager  
Public Works  
402 23<sup>rd</sup> St. N  
Fargo, ND 58102

Email: [MAndvik@FargoND.gov](mailto:MAndvik@FargoND.gov)  
Phone: (701) 476-6606  
Fax: (701) 241-8100

Equipment Specifications:

Tanner Smedshammer  
Fleet Management Specialist  
Public Works  
402 23<sup>rd</sup> St. N  
Fargo, ND 58102

[Tanner.Smedshammer@FargoND.gov](mailto:Tanner.Smedshammer@FargoND.gov)  
(701) 241-1460  
(701) 298-6971

## GENERAL SPECIFICATION

**MODEL:** Unit shall be a new current year model.

**WARRANTY:** Shall be stated in **writing** on the form provided.

**DELIVERY:** Proposer must perform a complete pre-delivery service prior to delivery of equipment. All units are F.O.B., Fargo Central Garage.

**Proposer must state the number of days for delivery from time of order and a \$150.00 per day will be accessed against the purchase price with the total not to exceed 2.5% of purchase price.**

**MANUALS:** One (1) complete service manual, digital or printed  
One (1) complete parts manual, digital or printed  
One (1) operator's manuals.  
One (1) training video (if available)

**TRAINING** Upon delivery to end-user Proposer will provide instruction to operators on proper operation and daily maintenance.

**BIDDER** There shall be \$500,000.00 minimum of product Liability coverage by the manufacturer and minimum of \$500,000.00 liability coverage by the product installers to protect the City of Fargo. Certification shall be provided with proposal.

Preference may be given to Proposer who has a local dealer with a reasonable amount of parts inventory for the unit that has been proposed and a complete service facility.

On models not previously **purchased** or **demonstrated** by the City of Fargo, the selection committee may elect to have a demonstration of the models being considered.

# **Hydro Excavation Truck Bidding Specifications**

## **1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) new and unused Hydro Excavation Truck to be used by the Fargo Water Department.

The City of Fargo Water Department has evaluated different styles of Hydro Excavation Trucks and has determined that this published specification is best suited for the FWD needs in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other Hydro Excavation Trucks will be compared.

In comparing proposals, comparison will not be confined to price only. The successful proposer will be one whose product is judged as best serving the interests of the FWD when price, product, quality and delivery are considered. The FWD also reserves the right to reject any or all proposals or any part thereof, and to waive any minor technicalities. A contract will be awarded to the proposer submitting the lowest responsible proposal meeting the requirements.

## **2.0 EQUIVALENT PRODUCT**

Proposals will be accepted for consideration on any make or model that is equal or superior to the Hydro Excavation Truck specified. Decisions of equivalency will be at the sole interpretation of the FWD. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. An original manufacturer's brochure of the proposed product is to be submitted with proposal.

## **3.0 INTERPRETATIONS**

In order to be fair to all proposers, no oral interpretations will be given to any proposer, as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing. Based on such inquiry, the FWD may choose to issue an addendum in accordance with local state laws.

## **4.0 GENERAL**

The specification herein states the minimum requirements of the FWD. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The FWD will consider as irregular or non-responsive any and all proposals that are not prepared and submitted in accordance with the proposal document and specification, or any proposal lacking sufficient technical literature to enable the FWD to make a reasonable determination of compliance to the specification. It shall be the proposer's responsibility to carefully examine each item of the specification. Failure to offer a completed proposal or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as non-responsive. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

**Specifications**

**Meets  
Specification**

**5.1 General**

- |   |            |           |
|---|------------|-----------|
| 1. Successful bidder shall supply a complete unit equipped with a 10 yd <sup>3</sup> debris capacity and 1000 gallons of fresh water.   | <b>YES</b> | <b>NO</b> |
| 2. Unit is designed and capable of simultaneous high pressure digging and vacuuming for the removal of dirt, clay, sand, stones and other materials while performing liquid excavation. | <b>YES</b> | <b>NO</b> |
| 3. Single chassis engine as the power source for complete unit.   | <b>YES</b> | <b>NO</b> |
| 4. All controls to be located at an operator's station for convenience and safety.  | <b>YES</b> | <b>NO</b> |
| 5. Hydro Excavation truck will comply will all federal, state and local laws.   | <b>YES</b> | <b>NO</b> |

**5.2 Safety and Compliance**

- |  |            |           |
|--|------------|-----------|
| 1. Hydro Excavator shall meet OSHA regulations with proper shielding and visible warning labels.           | <b>YES</b> | <b>NO</b> |
| 2. Complete unit shall meet all applicable standards and regulations in effect at the time of manufacture. | <b>YES</b> | <b>NO</b> |

**5.3 Cab and Chassis**

- |   |            |           |
|---|------------|-----------|
| 1. Chassis GVW, frame length and all other attributes shall be specified by the manufacturer. | <b>YES</b> | <b>NO</b> |
| 2. Cab shall have air ride seats for driver and passenger with armrest.                       | <b>YES</b> | <b>NO</b> |
| 3. Cab shall have air conditioning and high output heater.                                    | <b>YES</b> | <b>NO</b> |

		<b>Meets Specification</b>
4. Cab shall have tilt steering column with an 18” maximum steering wheel diameter.	<b>YES</b>	<b>NO</b>
5. Cab shall have remote adjustable, heated mirrors with extra convex mirrors for additional visibility.	<b>YES</b>	<b>NO</b>
6. Frame shall have front and rear tow hooks.	<b>YES</b>	<b>NO</b>
7. Instrument panel shall have full instrumentation including hour meter, transmission temperature and air filter restriction gauge.	<b>YES</b>	<b>NO</b>
8. AM/FM radio.	<b>YES</b>	<b>NO</b>
9. Power supply and ground shall be provided for the installation of a two-way radio.	<b>YES</b>	<b>NO</b>
10. A color camera monitoring system with camera monitoring rear of truck. Factory installed is preferred.	<b>YES</b>	<b>NO</b>
11. 20K Front Axles and 46K Rear Axles minimum	<b>YES</b>	<b>NO</b>
12. Power windows and door lock/unlock.	<b>YES</b>	<b>NO</b>
13. Bidder shall work with chassis manufacture(s) to ensure proper chassis specifications are complete.	<b>YES</b>	<b>NO</b>

#### **5.4 Debris Body**

1. The debris tank shall be constructed of high strength steel, lifetime warranty and the volume shall be 10 cubic yards of usable capacity.	<b>YES</b>	<b>NO</b>
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		<b>Meets Specification</b>
2. The entire debris tank shall be hinged at the rear and designed for hydraulic dumping at minimum 45°.	<b>YES</b>	<b>NO</b>
3. A steel splash shield shall be permanently attached under the rear door to direct the debris away from the rear of the tank when dumping.	<b>YES</b>	<b>NO</b>
4. A top hinged rear door shall hydraulically open and close to a 90° angle.	<b>YES</b>	<b>NO</b>
5. Door seal shall be attached to the debris tank.	<b>YES</b>	<b>NO</b>
6. The rear door shall seal by means of hydraulic locking wedges. Reverse bevel preferred.	<b>YES</b>	<b>NO</b>
7. Debris/Water level indicator on outside of debris tank.	<b>YES</b>	<b>NO</b>
8. An automatic stainless steel ball check valve shall be installed inside the debris tank to prevent over-filling.	<b>YES</b>	<b>NO</b>
9. Air drawn from the debris body must pass through a filter screen with adequate size to protect the vacuum system. The screen shall be easily removable from the ground level.	<b>YES</b>	<b>NO</b>
10. A 6" diameter bronze quick opening gate valve shall be located at the very bottom, 6 o'clock position of the door without an internal stand pipe.	<b>YES</b>	<b>NO</b>
11. Hydraulic operated vibrator to assist unloading material from debris body.	<b>YES</b>	<b>NO</b>
12. A 700 GPM pump off system shall be included for the removal of liquid while retaining solids. System includes 4" valve, pump and internal full size decant screen.	<b>YES</b>	<b>NO</b>

### **5.5 Water Tank**

### **Meets Specification**

- |   |            |           |
|---|------------|-----------|
| 1. A minimum capacity of 1000 gallons of water shall be available for the high pressure digging system. | <b>YES</b> | <b>NO</b> |
| 2. Tanks shall have lifetime warranty against rust, cracking, material and workmanship.                 | <b>YES</b> | <b>NO</b> |
| 3. A water fill system with direct full flow from the water hydrant shall be located at the curb-side.  | <b>YES</b> | <b>NO</b> |
| 4. Fill hose storage basket.  | <b>YES</b> | <b>NO</b> |
| 5. Prefer water tanks will not rise with the debris body while dumping.                                 | <b>YES</b> | <b>NO</b> |
| 6. Anti-siphon device.  | <b>YES</b> | <b>NO</b> |

### **5.6 High Pressure Water System**

- |  |            |           |
|--|------------|-----------|
| 1. Water pump shall produce 25 GPM at 3000 PSI   | <b>YES</b> | <b>NO</b> |
| 2. Water pump shall be of a tri-plex design.   | <b>YES</b> | <b>NO</b> |
| 3. The truck chassis engine shall drive the water pump via transmission, heavy duty transfer case and hydrostatic drive. | <b>YES</b> | <b>NO</b> |
| 4. Pressure and flow controls shall be located at the operator's station.  | <b>YES</b> | <b>NO</b> |
| 5. A hydro excavation package shall be included.   | <b>YES</b> | <b>NO</b> |



		<b>Meets Specification</b>
6. An air valve for purging the water from the pump system for storage shall be provided. Easily accessible pull valves shall be supplied on the pump to drain water in pump.	<b>YES</b>	<b>NO</b>
7. Two self-winding handgun reels with 75' of 1/2" hose rated for high temperature excavating hose.	<b>YES</b>	<b>NO</b>

### **5.7 Vacuum System**

1. The vacuum blower system shall be provided by a positive displacement, rotary style type with 4000 CFM @ 18" HG.	<b>YES</b>	<b>NO</b>
2. The blower shall contain a high efficiency exhaust silencer on both the inlet and outlet side.	<b>YES</b>	<b>NO</b>
3. Vacuum shall be achieved by a Roots blower	<b>YES</b>	<b>NO</b>

### **5.8 Suction Intake Boom**

1. Debris loading into the tank will be through a one (1) piece 8" extra heavy-duty reinforced rubber hose.	<b>YES</b>	<b>NO</b>
2. Rotation, extension, lift and air vac valve shall be controlled by a portable wireless control. (2) Wireless remotes shall be supplied with the unit.	<b>YES</b>	<b>NO</b>
3. Boom shall rotate a minimum of 310° by a worm gear.	<b>YES</b>	<b>NO</b>
4. 27' of 8" aluminum, band lock style piping. On board storage racking to accommodate all tubes.	<b>YES</b>	<b>NO</b>
5. Zip tube hydro excavation tube or <i>approved equal</i> with necessary water and hose requirements	<b>YES</b>	<b>NO</b>

		<b>Meets Specification</b>
6. Minimum lift capacity of 500 lbs. when boom is fully extended.	<b>YES</b>	<b>NO</b>
<b><u>5.9 Electrical</u></b>		
1. All wiring shall be contained in flexible conduit and wires shall be color coded.	<b>YES</b>	<b>NO</b>
<b><u>5.10 Operating Controls</u></b>		
1. A portable remote shall be included with unit and operate all power functions of the boom and reel. The boom will also be controlled by a joystick mounted at the operator's station. Remote- Wireless:_____ Attached:_____	<b>YES</b>	<b>NO</b>
2. Dumping functions shall be mounted curb side.	<b>YES</b>	<b>NO</b>
3. The following gauges and/or warning lights shall be included: <ul style="list-style-type: none"> <li>• Low water warning light</li> <li>• Hour meter/Tach</li> <li>• Hydraulic oil pressure gauge</li> <li>• Water Pressure</li> <li>• Vacuum Gauge</li> </ul>	<b>YES</b>	<b>NO</b>
4. 20' retractable cord & LED spotlight.	<b>YES</b>	<b>NO</b>
<b><u>5.11 Lighting</u></b>		
1. LED strobe lights mounted front and rear, visible for a full 360°.	<b>YES</b>	<b>NO</b>
2. LED arrow stick on rear unit.	<b>YES</b>	<b>NO</b>
3. LED Boom Work lights	<b>YES</b>	<b>NO</b>
4. All D.O.T lights shall be LED	<b>YES</b>	<b>NO</b>

**Meets  
Specification**

**5.12 Cold Weather Package**

- |  |            |           |
|--|------------|-----------|
| 1. Cold weather cabinets fully insulated and heated                              | <b>YES</b> | <b>NO</b> |
| 2. Stainless Steel diesel fired water heater with a minimum BTU of 700,000 BTU's | <b>YES</b> | <b>NO</b> |
| 3. Cold weather recirculation utilizing an electric pump                         | <b>YES</b> | <b>NO</b> |
| 4. Air purge to blow out water system via chassis                                | <b>YES</b> | <b>NO</b> |

**5.13 Accessories**

- |   |            |           |
|---|------------|-----------|
| 1. Aluminum fenders and mud flaps shall be installed to cover the tandem rear axles and tires | <b>YES</b> | <b>NO</b> |
| 2. (2) Tool boxes, mounted on each side. Largest available                                    | <b>YES</b> | <b>NO</b> |
| 3. Tube storage around power module area  | <b>YES</b> | <b>NO</b> |

**Exceptions & Deviations**

Proposer shall fully describe every variance exception and/or deviation. List the item number here and fully explain any items in non-compliance with specification.

Additional sheets may be used if required.

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**Warranty**

Hydro Excavator:

Base Manufacture:

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Other Warranties that apply:

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**Proposal Form**  
**2019 Hydro Excavator**  
City of Fargo — Water Department

**Chassis:**            Make: \_\_\_\_\_ Model: \_\_\_\_\_

**Hydro Excavator:** Make: \_\_\_\_\_ Model: \_\_\_\_\_

**TOTAL Equipment Price:**    \$ \_\_\_\_\_

**Delivery Date**

Number of days for delivery from date of order:    \_\_\_\_\_

Company \_\_\_\_\_

By: \_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)