

**INVITATION TO BID**  
**2016-043**

*FURNISH THE CITY OF DERBY, KANSAS,  
ONE (1) 2016 or NEWER COMBINATION JET VACUUM  
TRUCK w/ HYDRO EXCAVATION*

1. Sealed bids, on the attached form only, will be received at the office of **the City Clerk** until **2:00 p.m., on 22, Dec, 2016**, at which time the bids will be opened in the **City Council Room at City Hall** and read aloud. Bids should be delivered/mailed to the **City Clerk's office, 611 Mulberry Rd. Ste. 300, Derby, KS 67037**. Bids received after said time will be returned unopened. Bids are to be sealed and outside marked "**2016 COMBINATION JET VACUUM TRUCK w/ HYDRO EXCAVATION.**" No bid may be withdrawn within thirty (30) days from the scheduled closing time for receiving proposals. Bid prices shall be F.O.B., Derby, KS. The combo truck is for the Wastewater Division of the Department of Public Works and **is not subject to state and local sales taxes.**
2. Bid price shall remain in effect for a minimum of ninety (90) days after bid opening date. The City reserves the right to reject any and all bids and to waive any irregularities therein. For further information or clarification contact Jason Bradshaw, Public Works Utility Manager, 316-788-1151 or email at [jasonbradshaw@derbyweb.com](mailto:jasonbradshaw@derbyweb.com).
3. It is the intent of these specifications to describe the minimum requirements for **one (1) 2016 or newer Combination Jet Vacuum Truck w/ Hydro Excavation.** Any addition, deletions, or variations from the specifications must be noted in writing. These specifications shall be construed as a minimum. Should the manufacturer's current published data or specifications exceed these, they shall be considered minimum and shall be furnished. Specifications also require that the bidder furnish descriptive literature, complete specifications, and all necessary data on the proposed equipment. All parts not specifically mentioned, which are necessary in order to provide a complete combination jet vacuum truck with hydro excavation, shall be furnished by the successful bidder and shall conform in strength, quality of material and workmanship to that usually provided by the engineering practice indicated in these specifications.
4. Payment Terms – Net 30 Days.

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**BID FORM**

1. This price shall cover all expenses incurred in performing the work required under the documents and of which this proposal is a part:

Manufacturer of Equipment Bid: \_\_\_\_\_

Model of Equipment Bid: \_\_\_\_\_

**BID PRICE:**

New Equipment Price \$ \_\_\_\_\_

2016 Demonstrator \$ \_\_\_\_\_

Less Trade-in \$ \_\_\_\_\_

Total Cost to City \$ \_\_\_\_\_

2. The undersigned finally proposes to deliver the equipment, complete with all accessories, FOB, City of Derby, Kansas, no later than

\_\_\_\_\_.

3. Standard Manufacturer's Warranty. Please describe, briefly.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. The bidder agrees that this bid shall be good and may not be withdrawn for a period of 90 calendar days after the scheduled closing time for receiving bids.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Bidder \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Number \_\_\_\_\_

By (print) \_\_\_\_\_

(signature) \_\_\_\_\_

Title \_\_\_\_\_

**DETAILED SPECIFICATIONS**

*FURNISH THE CITY OF DERBY, KANSAS  
ONE (1) 2016 or NEWER COMBINATION JET VACUUM TRUCK w/  
HYDRO EXCAVATION*

One 2016 or newer Combination Jet Vacuum Truck w/ Hydro Excavation, of all new parts and materials, with all standard equipment and any other optional equipment needed to meet or exceed the following **minimum specifications**. The unit shall be delivered completely assembled and ready for use. **Bidders shall indicate by checking yes or no whether or not each minimum specification will be met.** Inability to meet all minimum specification will not necessarily disqualify bid. The City reserves the right to waive minor specification deficiencies and make award on a “**best bid**” basis.

**AIR/VAC SYSTEM**

	Yes	No
Vacuum Pump Roots Type rotary lobe positive displacement.....	( )	( )
3 Stage Vacuum Compressor .....	( )	( )
Vacuum Pump capable of airflows from 0 to 2700 CFM.....	( )	( )
Vacuum Pump capable of vacuums from 0" to 15" Hg.....	( )	( )
Vacuum Pump or Compressor driven by chassis engine.....	( )	( )
Unit capable of vacuuming under water without air induction.....	( )	( )
Vacuum Pump or Compressor protected by a separator w/cleanout box .....	( )	( )
Vacuum Pump or Compressor protected by a micro-filter .....	( )	( )
Vacuum Relief Valves capable of handling the full air flow.....	( )	( )
Exhaust Silencer .....	( )	( )

**DEBRIS TANK**

Cylindrical Design.....	( )	( )
Minimum 9 cubic yards capacity.....	( )	( )

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- Dumping minimum 45° ..... ( ) ( )
- Hydraulic Power up/down cylinder ..... ( ) ( )
- Up/Down hydraulic scissors lifting mechanism ..... ( ) ( )
- Self-aligning closure seal ..... ( ) ( )
- Top hinged full opening rear door ..... ( ) ( )
- Debris deflector plate ..... ( ) ( )
- Strainer for rear door drain ..... ( ) ( )
- Mechanical rear door locks..... ( ) ( )
- Hydraulic rear door locks ..... ( ) ( )
- Rear door power up/down hydraulic cylinder ..... ( ) ( )
- 6" rear drain valve ..... ( ) ( )
- 6" X 10' lay flat drain hose ..... ( ) ( )

**BOOM**

- |   | Yes | No  |
|---|-----|-----|
| Top Mounted ..... ( ) ( )                                   | ( ) | ( ) |
| Minimum 210 degree hydraulic rotation ..... ( ) ( )         | ( ) | ( ) |
| Portable pendant ..... ( ) ( )                              | ( ) | ( ) |
| Extends a minimum of 8' to a minimum 25' total..... ( ) ( ) | ( ) | ( ) |
| Powers up and down..... ( ) ( )                             | ( ) | ( ) |
| Quick open cleanout ..... ( ) ( )                           | ( ) | ( ) |
| 8" heavy duty rubber intake hose ..... ( ) ( )              | ( ) | ( ) |

**WATER SYSTEM**

- High pressure water pump delivering continuous pressure and flow ..... ( ) ( )
- Minimum 60 gpm @ 2500 psi..... ( ) ( )
- Pressure relief valve ..... ( ) ( )

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- Water flow control valve ..... ( ) ( )
- Wash-down gun connection ..... ( ) ( )
- Wash-down gun w/ 35' of hose ..... ( ) ( )
- 800 psi relief valve ..... ( ) ( )
- Suction strainer ..... ( ) ( )

**WATER TANKS**

- Minimum 1500 gallons capacity ..... ( ) ( )
- Saddle tanks independent of debris tank ..... ( ) ( )
- Water tanks constructed of non-corrosive non-metallic material ..... ( ) ( )
- Anti-syphon air gap protected ..... ( ) ( )
- Curb side fill ..... ( ) ( )
- Removable inspection covers ..... ( ) ( )
- Minimum one water level indicator..... ( ) ( )

**HOSE REEL**

- |  | Yes | No  |
|--|-----|-----|
| Front mounted ..... ( ) ( )                                | ( ) | ( ) |
| 180° articulation..... ( ) ( )                             | ( ) | ( ) |
| Minimum capacity 1000' of 3000 psi 3/4" hose ..... ( ) ( ) | ( ) | ( ) |
| 1000' of 3000 psi 3/4" hose provided ..... ( ) ( )         | ( ) | ( ) |
| Positioning lock..... ( ) ( )                              | ( ) | ( ) |
| Water pressure gauge ..... ( ) ( )                         | ( ) | ( ) |
| Tachometer..... ( ) ( )                                    | ( ) | ( ) |
| Hose levelwind w/ counter ..... ( ) ( )                    | ( ) | ( ) |
| Reel speed control ..... ( ) ( )                           | ( ) | ( ) |
| Engine throttle ..... ( ) ( )                              | ( ) | ( ) |

**ACCESSORIES**

- 7 - 8" diameter aluminum tubes with male/female fittings, clamps & gaskets..... ( ) ( )
- Three (3) 8' in length ..... ( ) ( )

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- One (1) 7' in length..... ( ) ( )
- Two (2) 5' in length ..... ( ) ( )
- One (1) 3' in length..... ( ) ( )
- One (1) 6' intake tube ..... ( ) ( )
- Tube racks ..... ( ) ( )
- 15° nozzle ..... ( ) ( )
- 35° nozzle..... ( ) ( )
- Manhole hose guide..... ( ) ( )
- Tool box ..... ( ) ( )
- Mud flaps..... ( ) ( )
- Two Operation, Parts & Service Manuals (Unit & Truck)..... ( ) ( )
- Hydro-excavation Unit..... ( ) ( )

**TRUCK**

- |  | Yes | No  |
|--|-----|-----|
| 2016 model or newer conventional chassis .....         | ( ) | ( ) |
| 20,000 lb front / 40,000 lb rear / 60,000 lb GVWR..... | ( ) | ( ) |
| Diesel engine minimum 345 HP.....                      | ( ) | ( ) |
| Allison automatic transmission .....                   | ( ) | ( ) |
| Set forward axle.....                                  | ( ) | ( ) |
| Engine after treatment device (DEF).....               | ( ) | ( ) |
| Diesel Exhaust Fluid tank minimum 6 gallons.....       | ( ) | ( ) |
| Fuel tank minimum 90 gallons .....                     | ( ) | ( ) |
| Heater, defroster & air conditioner.....               | ( ) | ( ) |
| 12 volt negative ground electrical system .....        | ( ) | ( ) |
| Fuel gauge .....                                       | ( ) | ( ) |
| Coolant temperature gauge.....                         | ( ) | ( ) |
| Transmission temperature gauge.....                    | ( ) | ( ) |

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Engine & trip hour meters ..... ( ) ( )  
Oil pressure gauge ..... ( ) ( )  
Key operated ignition switch ..... ( ) ( )  
Odometer/trip/hour/diagnostic/voltage display ..... ( ) ( )  
Sun visors ..... ( ) ( )  
Delay windshield wipers ..... ( ) ( )  
AM/FM radio ..... ( ) ( )  
12 volt power supply in dash ..... ( ) ( )  
Color White ..... ( ) ( )  
Video Back Up Camera w/ LCD Monitor in Cab ..... ( ) ( )

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**TRADE-IN**

Year	1998
Make	Vactor
Model	2100 Series
Vacuum Blower	Vactor 2 Stage fan
Water Pump	Vactor Single Piston Pump
Pony Motor	John Deere – Power Tech 6.8L Diesel/T060068T771563
Hours	1,829
Chassis	1998 International Navistar 2554 4x2
GVWR	41,000 lbs
Engine VIN	XH625110
VIN	1HTGBADRXXH625110

800' of new 1" 2500 psi jet hose on front mounted reel.

NOTE: The City of Derby reserves the right to keep or sell the trade-in.  
For further information contact Jason Bradshaw at 316-788-1151.