

***BEACON HILL WATER & SEWER DISTRICT  
KELSO, WASHINGTON***

**BID REQUEST  
TRAILER-MOUNTED HYDRO-EXCAVATOR**

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**DATA**

**COMMODITY TITLE:** Trailer-mounted Hydro Excavator

**PROJECT MANAGER:** Brian Wilson

**ALT CONTACT:** Mike Smith

**TELEPHONE:** (360) 636-3860

**ISSUE DATE:** **June 1, 2012**

**DEADLINE**

**SIGNED PROPOSALS may be mailed or sent by e-mail attachment.  
Due to the poor resolution and often illegible printouts of some of faxes, faxed proposals  
are NOT allowed unless specifically authorized, in advance, by the project manager.**

**CLOSING DAY/DATE:** **June 20, 2012**

**CLOSING TIME:** **3:00 pm**

**LOCATION:** District Office

**MAIL ADDRESS:** Beacon Hill Water and Sewer District  
1121 Westside Highway  
Kelso, WA 98626

**EMAIL:** Due to the amount of spam automatically generated by  
the on-line posting of email addresses for these types of  
notices, please call the District's offices for the contact's  
email address.

**FAX:** (360) 575-9375

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**Section A**  
**B001-2012**  
**Minimum Specifications - Hydro Excavator**

It is the intent of these specifications to describe the minimum requirements for one new (<15hrs) trailer-mounted hydro excavator. The hydro excavator will be used in various piping, cleaning, and excavation projects by Beacon Hill Water and Sewer District Employees.

The hydro excavator shall meet or exceed the construction and performance specifications described in the following minimum specifications. The person authorized to complete the bid proposal shall indicate below, by marking yes or no, whether the equipment, parts, & material it proposes to sell to the District complies with the Minimum Specifications listed below.

Any deviations from the minimum specifications set forth herein shall be noted and explained in Section C (Exceptions to the Specifications). For this request, proposals for alternate products shall be allowed provided that they meet or exceed the original specifications. It is the responsibility of the firm providing the proposal to provide documentation and references to prove that the equipment proposed meets or exceed the specifications and features of the equipment in these specifications. It is strongly recommend that a side-by-side breakdown in spreadsheet format is included in such circumstances.

In order to receive full consideration, the bid proposal must follow these specifications and the Specification's terms, conditions and instructions. The entire specification form must be completed and returned for a complete proposal. The District reserves the right to reject all proposals that do not completely meet all terms, conditions, and instructions.

Minimum - The smallest acceptable size or performance specification. Larger sizes & capacities, more rigid specifications, and better performance & materials, where they do not exceed *maximum* specification, will be considered as an equal, or better to the minimum specification

**MINIMUM SPECIFICATIONS: To be completed and attached to Section B (Quote)**

**Meet or exceed  
specifications?**  
**YES      NO**

**BASE UNIT - GENERAL**

_____	_____	• Low-profile ( <b>maximum</b> height of 92"), new (<15 hrs) trailer-mounted hydro excavator unit
_____	_____	• Trailer is fully DOT compliant, with pintle hitch, all reflectors, driving and warning lights; ready for licensing with license plate frame and light.
_____	_____	• 49 HP (36.5 kW) or larger water-cooled diesel engine
_____	_____	• 1000 cm vacuum pump capable of 15" (38.1 cm) of mercury
_____	_____	• Reverse pressure to off-load liquids and dislodge debris in hose
_____	_____	• 500 gal (1892.7/3028.3 L) debris tank with hydraulic lift dump
_____	_____	• Hydraulically operated full-open rear door
_____	_____	• Two ea, 20' (industrial rated); 4" smooth bore hoses with camlock fittings (40 ft total hose length)

**Meet or exceed**

**specifications?**  
**YES**      **NO**

- |       |       |   |
|-------|-------|---|
| _____ | _____ | • Two 4" lightweight dielectric suction wands – 4' (1.2 m) & 6' (1.8 m)   |
| _____ | _____ | • Two ea, 20' (industrial rated); 3" smooth bore hoses with camlock fittings (40 ft total hose length)  |
| _____ | _____ | • Two 3" lightweight dielectric suction wands – 4' (1.2 m) & 6' (1.8 m)   |
| _____ | _____ | • Empty weight of unit with trailer: 7200 lbs or less   |
| _____ | _____ | • Lockable curbside remote controls   |
| _____ | _____ | • Hydraulic pump and hydraulic cylinders with remote controls to raise tank 60 degrees  |
| _____ | _____ | • Suction hose storage on rear door of debris tank [for 40' of 4" hose]   |
| _____ | _____ | • 6" (15.2 cm) stainless steel portal shutoff in top of vacuum tank   |
| _____ | _____ | • 15 gal (56.8 L) fuel tank   |
| _____ | _____ | • 360 deg viewable amber strobe(s) with two adjustable halogen work lights.<br>Where one strobe may not visible for 360 degrees, additional strobes may be substituted as necessary to provide for a warning strobe visible from any direction. |
| _____ | _____ | • Complete operational unit: engine, starter, with battery, all fluids topped off:<br>Unit shall be fully operational upon delivery without the need for additional fabrication, assembly, equipment, or material.                              |

## **WARRANTY AND QUALITY CONTROL**

- |       |       |  |
|-------|-------|--|
| _____ | _____ | • Two-year parts and labor factory warranty  |
| _____ | _____ | • First required factory service shall be included with the bid price (prepaid with bid).<br>When required, this initial factory service be provided free-of-charge and shall include all labor, service, and materials as recommended by the manufacturer. The service shall be performed on District property, or, within 40 miles of the District offices. Where the service cannot be performed locally, an equivalent replacement loaner hydro-excavator unit shall be provided free-of-charge for the duration of the servicing with all delivery & transportation scheduling and costs to be borne by the seller. |
| _____ | _____ | • New condition – Clean. Professional-finish paint. No dents, scratches, chips, or rust.   |

## **ENGINE ENCLOSURE**

- |       |       |  |
|-------|-------|--|
| _____ | _____ | • Fully enclosed for protection against weather and vandalism, insulated to reduce noise and vibration using 2/3 open-cell attenuation material (or equivalent). |
| _____ | _____ | • Both sides of engine enclosure open on hinges for ease of maintenance and service  |
| _____ | _____ | • All service points for engine are accessible from curbside   |
| _____ | _____ | • Silencer for vacuum pump mounted below the enclosure and not to exceed 80 dBA at full performance  |
| _____ | _____ | • High-pressure water and vacuum pumps inside engine enclosure   |

## FILTRATION

Meet or exceed  
specifications?  
YES            NO

- |               |               |  |
|---------------|---------------|--|
| <u>      </u> | <u>      </u> | • Bag House – with 100 sq. ft. (30.5 sq. m) filtration media, combined with 60 gal (227.1 L) water trap  |
| <u>      </u> | <u>      </u> | • Filtration cylinders are washable and removable  |
| <u>      </u> | <u>      </u> | • WET or DRY industrial filters rated at 5:1 air cloth ratio and grain loading of 30-g/acf using 0.5-micron silica dust emissions of .0060 g/acf |
| <u>      </u> | <u>      </u> | • Maintenance friendly – Bags & filter easily accessible & replaceable by equipment operators  |

## WATER SYSTEM

- |               |               |   |
|---------------|---------------|---|
| <u>      </u> | <u>      </u> | • 4000 psi (275 bar) at 4 gpm (15.1 L/min) water pump powered by same engine  |
| <u>      </u> | <u>      </u> | • Electric clutch with on/off control and low-water automatic shutdown  |
| <u>      </u> | <u>      </u> | • 200 gal (757.1 L) minimum total water capacity [2 poly water tanks 100 gal (378.5 L) each, plumbed to high-pressure pump] |
| <u>      </u> | <u>      </u> | • 50' (15.2 m) of high-pressure hose  |
| <u>      </u> | <u>      </u> | • Self-retracting hose reel   |
| <u>      </u> | <u>      </u> | • 5' (1.5 m) roto wand and control handle   |
| <u>      </u> | <u>      </u> | • 3' (.9 m) variable nozzle wand for cleanup  |
| <u>      </u> | <u>      </u> | • 8 gal (30.3 L) semi-automatic antifreeze system   |

## CONTROL PANEL & INDICATIONS

- |               |               |  |
|---------------|---------------|--|
| <u>      </u> | <u>      </u> | • Waterproof and lockable  |
| <u>      </u> | <u>      </u> | • Integrated into the engine stand (curbside for easy operation) |
| <u>      </u> | <u>      </u> | • Vacuum pressure gauge  |
| <u>      </u> | <u>      </u> | • Key switch   |
| <u>      </u> | <u>      </u> | • Electronic throttle switch                                     |
| <u>      </u> | <u>      </u> | • Water pump switch  |
| <u>      </u> | <u>      </u> | • Lights and DOT strobe controls                                 |
| <u>      </u> | <u>      </u> | • Volt meter   |

Meet or exceed

**B001-2012**

**specifications?**  
**YES**      **NO**

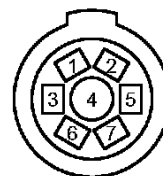
- |       |       |   |
|-------|-------|---|
| _____ | _____ | • Hour meter                                      |
| _____ | _____ | • Breakers for water pump and electronic throttle |
| _____ | _____ | • Oil pressure gauge                              |
| _____ | _____ | • Water temperature gauge                         |
| _____ | _____ | • Fuel gauge                                      |

## TANK

- |       |       |   |
|-------|-------|---|
| _____ | _____ | • Full-open rear door   |
| _____ | _____ | • Hydraulically opened rear door with push-button controls                                  |
| _____ | _____ | • UHMW polymer tank liner on bottom of debris tank  |
| _____ | _____ | • 6" (15.2 cm) brass rear discharge valve with dust cap                                     |
| _____ | _____ | • Large 6" (15.2 cm) stainless steel portal shutoff (stops vacuum when debris tank is full) |
| _____ | _____ | • Twin hydraulic cylinders for dumping  |

## TRAILER

- |       |       |   |
|-------|-------|---|
| _____ | _____ | • Dual axles, each axle rated at ½ or greater of GVWR   |
| _____ | _____ | • Min GVWR at 12,000 lb (5443.1 kg)   |
| _____ | _____ | • 10,000 lb (4535.9 kg) jack stand with spring-loaded foot  |
| _____ | _____ | • I-beam constructed heavy-duty trailer, fully primed and finish-painted  |
| _____ | _____ | • Pintle hitch  |
| _____ | _____ | • RV 7-way flat-pin connector (aka 7 pole plug)   |
| _____ | _____ | • Electric brakes on both axles, with safety breakaway  |
| _____ | _____ | • 4 – LT235/75R16 tires with 8 lug wheels   |
| _____ | _____ | • Heavy duty fenders/wheel shrouds, easily capable of supporting equipment or personnel without deflection or bending |



## DIMENSIONS

- |       |       |                        |
|-------|-------|------------------------|
| _____ | _____ | • MAXIMUM length 21.5' |
| _____ | _____ | • MAXIMUM width 92"    |
| _____ | _____ | • MAXIMUM height 92"   |

**Section B**  
**Proposal**  
**B001-2012**

**Provide and Install One (1) Hydro-Excavator & Related Accessories - Bid**

- |  |    |  |
|--|----|--|
| <b>1. Provide &amp; install one (1) Hydro Excavator and related accessories</b>                            | \$ |  |
| <b>2. Provide first scheduled service (including parts labor, transportation/replacement if necessary)</b> | \$ |  |
| <b>3. Sales Tax</b> ( ____ % )   | \$ |  |
| <b>4. Delivery</b>   | \$ |  |
| <b>5. Total</b>  | \$ |  |

**Delivery Information:** \_\_\_\_\_ calendar days after receipt of purchase order.

\*\*\*\*\*

The undersigned declares that before preparing this bid or quote, he/she carefully read the specifications, requirements and terms & conditions and that this bid is made with full knowledge of the kind, quality and quantity of services and equipment to be furnished, and this bid is as stated on documents submitted in response to the District's Bid. The undersigned offers and agrees, if this bid is accepted, within sixty (60) calendar days from date of opening (unless otherwise agreed or noted), to furnish any or all of the items upon which prices are offered at the price set opposite each item, delivered at the designated point(s) within the time specified.

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

SIGNATURE OF PERSON AUTHORIZED TO SIGN: \_\_\_\_\_

TYPED NAME OF SIGNER \_\_\_\_\_ TITLE \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_ DATE: \_\_\_\_\_

FAX # \_\_\_\_\_ E-Mail: \_\_\_\_\_

Exceptions to the specifications of any items stated herein shall be fully described and explained in writing by the contractor in the space provided below (Description, brochures, and technical information may also be attached to provide adequate detail and descriptive information)

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the paper.

**Section D**  
**B001-2012**  
**Additional Information**

**1. Warranty:** Please provide in the space below, or attach a copy of a complete description of the standard warranty terms and conditions. Also, as a part of this bid, you are required to provide warranty service contact individual(s). In all purchases made by the District, availability and accessibility of warranty service and service after warranty may be considered in determining the lowest responsible bidder.

**2. Accessories:** Include below a detailed list of accessories not otherwise specified or for which you are request special consideration. (Additional toolboxes, wands, hoses, fittings, etc.. included expected or additional price/value)



**Section E**  
**B001-2012**  
**Special Terms and Conditions**

1. Equipment shall conform to all legal requirements of Federal, State, and local vehicle laws and regulations.
2. Required warranty work to be performed at the District's offices, when possible, or at an authorized manufacturer's repair facility, by a dealer authorized field service technician. Seller shall accept responsibility for costs for warranty and factory recall work. If requested, replacement equipment shall be provided at no charge to the District for the duration of the warranty work (while the equipment is out of service).

\*\*\*\*\*

**Section F**  
**B001-2012**  
**References**

Provide a list of at least three references for the equipment and/or equipment vendor. (Can use the list below, or can attach pages separately)

Business/Municipality	Contact Info	Equipment Purchased	Date
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____