

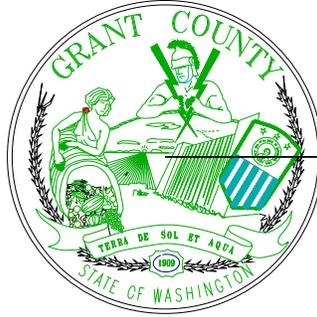
**Grant County  
PUBLIC WORKS DEPARTMENT**

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124 Enterprise St. S.E.  
Ephrata, Washington 98823  
(509) 754-6082; Fax (509) 754-6087

Sealed bids will be received for the following equipment:

## **Miscellaneous Equipment**

Bid Opening  
at  
**1:45 PM**  
**February 5, 2008**  
at the  
Office of the  
Board of County Commissioners  
Grant County Courthouse  
35 C Street NW, Room 207  
P.O. Box 37  
Ephrata, WA 98823

## **NOTICE TO EQUIPMENT DEALERS**

Sealed bids, plainly marked "**Bid for Miscellaneous Equipment, Equipment Contract 2008-05**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, 35 C Street NW - Room 207, P.O. Box 37, Ephrata, WA 98823, until **1:45 PM, Tuesday, February 5, 2008**, and will then and there be opened and publicly read for furnishing and delivering:

**Two - Dump Truck Mid-Mount Wing Plows (Dist 1)**

**One - 8,000 lb. Forklift (Dist 2)**

**One - Rock Rake (Dist 3)**

**One - Self-Propelled Power Broom (Central Shop)**

**One - Herbicide Skid Sprayer (Noxious Weed)**

Informational copies of the proposal and specifications are on file with the County Engineer in the Grant County Public Works Building, 124 Enterprise St. S.E., Ephrata, WA 98823.

Any bidder offering new equipment shall include in their proposal an offer to purchase the trade-in equipment. The County assumes the new equipment bidder's trade-in offer is a part of the bid including the new equipment. The bidder's trade-in offer will only be considered separate if the bidder grants permission to the County to consider their trade-in offer separately.

Any person or company may make an offer to purchase the trade-in equipment independent of a bid on the sale of the new equipment. Such offers shall be made on forms provided by the County. The bidders are advised that mileage will continue to accumulate at the current usage rate until replacements vehicles are delivered. The County is offering the following trade-ins:

Trade-Ins: #079 - 2001 Waldon Sweepmaster 250 power broom  
Serial No. 28457 License No. 57725C Hours as of 10/31/07: 2,000 est.  
This power broom may be inspected at Central Shop in Ephrata, WA., Monday through Thursday between 10:00 am and 3:00 pm. (509) 754-6086.

All vehicles are offered "AS IS". Prospective buyers may view the equipment at the convenience of the operator. Please call the department to make arrangements to inspect the vehicle. All vehicles are operating and currently in-service. Central Shop (509)754-6086.

The Board of County Commissioners reserves the right to reject or accept any or all portions of the bids received.

## INSTRUCTIONS TO BIDDERS

- 1) Sealed bids, plainly marked "**Bid for Miscellaneous Equipment, Equipment Contract 2008-05**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, P.O. Box 37, 35 C Street NW - Room 207, Ephrata, WA, 98823, until **1:45 PM, February 5, 2008**, and will then and there be opened and publicly read for the construction of the improvements.
- 2) The Bidder may submit a bid on any or all items listed. If the Bidder does not wish to bid any particular item or items, please write "**NO BID**" on the appropriate proposal sheet.
- 3) Multiple bids for the same item may be made by the Bidder. Please copy the appropriate proposal sheet(s) for the item(s) to be bid with more than one model. The proposal for each item bid must be completed. Please number the proposal sheets accordingly.
- 4) The proposal must be completed and the proposal signature sheet must be signed.
- 5) An informational copy of the contract is provided to the Bidder. Please read it but do not sign it.
- 6) All exceptions or changes to the specifications must be shown on the proposal sheet(s) in the space provided or attached to the proposal sheet.
- 7) The Board of County Commissioners reserves the right to reject or accept all or part of the proposal submitted by the Bidder.
- 8) Bidders are advised that the unit price bid for each new item will be compared with current State or other public agency contract prices for similar vehicles. After said comparison the County may reject or accept all or part of the proposal submitted by the Bidder and purchase items directly from the State or other public agency contracts.
- 9) Trade-ins are offered for sale in this contract. Bidders offering new equipment are required to make an offer on the trade-in equipment listed, but can choose to restrict their offer to the award of the contract. Interested parties that are not offering new equipment may submit a bid for one or more trade-in equipment listed. A 5% bid security is required for offers made on all trade-ins from bidders not offering new vehicles or equipment. Although no minimum bids are reserved the County will compare trade-in offers to reliable publications or other sources.

Interested parties bidding for trade-in vehicles only are required to post a 5% deposit based on the bid amount offered for the equipment. The deposit will be held until the purchaser provides the whole amount for all vehicles awarded to the high bidder. If the purchaser fails to pay for the awarded vehicles within the allotted time, the deposit shall be forfeited to the County.

## GENERAL CONDITIONS

1. The attached specifications are for the purpose of providing details regarding the type of product desired by Grant County. Equal or similar products from reputable manufacturers and suppliers are permitted. Grant County shall be the final determiner of product equivalence.
2. The Bidder has 15 days from the date of award to sign and return the contracts. Failure to sign and return the contracts may result in the loss of the contract to the Bidder. No performance bond is required for this bid proposal.
3. Grant County shall pay State sales and use taxes on all products purchased. The Bidder shall not include taxes in the bid price and shall show state sales taxes as a separate item in the space provided.
4. Grant County is a political subdivision of the State of Washington and is exempt from paying all Federal excise taxes. The Bidder shall furnish Federal excise tax exemption certification when applicable. All other taxes and costs of business shall be borne by the Bidder and included in the base price.
5. All products shall conform to applicable Federal and State safety and health laws, rules and regulations.

## BID EVALUATIONS

1. Bid evaluations shall include, but not be limited by, the following criteria:
  - a. Price (*may include life cycle*)
  - b. Quality of product
  - c. Conformance to specifications
  - d. Prompt service and parts availability
  - e. Training
  - f. Bidder's previous contract experience
  - g. Public's best interest.

## SUBMISSIONS

1. Bidders are advised to submit the following with each bid item:
  - a. Descriptive literature.
  - b. Complete operating dimensions and sketches of the proposed unit.
  - c. Complete information detailing engines, engine accessories, transmissions, frame, axles, electrical components, cab, differentials, drivelines, hydraulic systems, and appurtenances for each unit bid.
2. The Bidder may submit any other information that may assist Grant County in evaluating the bid.

## FULL SERVICE FACILITY

A full service facility is defined as the location with spare parts available to Grant County within 24 hours from 8:00 AM to 5:00 PM, Monday thru Friday.

## WARRANTY

The Bidder must state the warranty period on all items bid. Grant County may require a minimum warranty period. Within the warranty period the successful Bidder shall replace all parts and perform all repairs which are required or made necessary due to defective design, materials,

workmanship, or non-conformance with the specifications. Unless otherwise noted, the Bidder shall perform all warranty repairs at the Bidder's place of business. Grant County shall deliver and retrieve defective equipment at the Bidder's place of business. All repairs shall have the warranty reinstated for the remaining period.

#### OPERATOR'S, PARTS AND SERVICE MANUALS

The Bidder shall furnish operator's manuals, service manuals and parts manuals as specified in the proposal. **Manuals must be delivered to Grant County before product delivery is considered complete.**

#### DELIVERY, INSPECTION AND ACCEPTANCE

All equipment shall be new and the manufacturer's latest model. All standard equipment shall be furnished with the unit. The unit and mounted equipment, if any, shall be serviced, comply with all specifications, and be in full working order for the purpose it was designed at the time of delivery.

**Grant County will accept delivery between the hours of 8:00 AM to 3:30 PM, Monday thru Thursday only.** Unless otherwise noted, deliveries shall be F.O.B. Grant County. The Bidder will be required to obtain a delivery address and time from the County Engineer, or his designated representative, for each piece of equipment. The Bidder, or his representative, is requested to be present at the time of delivery.

#### TRAINING

1. The Bidder and manufacturer's representatives must be able to provide sufficient training to Grant County personnel to operate, service and repair the equipment. The training should occur in Grant County. Training shall include all labor, equipment, materials, tools, travel and other expenses needed to provide a complete service. The Bidder may show a minimum number of training hours for each category. Failure to offer any training will be a consideration in the bid evaluation process
2. The Bidder shall state the number of hours and the cost per hour for each category of training on the proposal form in the space provided.
3. Training is an additive cost to the contract. The Bidder shall not include training costs in the base bid of the proposal. Grant County is not obligated to use the training offered by the Bidder, however, should Grant County desire to utilize the training programs offered those costs will be added to the contract..

#### LATE DELIVERY

No penalty for late delivery will be assessed against the Bidder. However, the Bidder is advised that the failure to deliver the equipment before the promised date will be a consideration used at succeeding bid proposal evaluations.

#### TRADE-INS

Grant County is not obligated to accept the trade-in offer and may accept new equipment bid without the trade-in offer. The trade-in offer itself will be assumed to be a part of the whole item and will not be considered separately unless the Bidder clearly states the trade-in offer may be considered separately. Bids for trade-ins only will be considered separately.

**PROPOSAL Bid Item No. 1**

BID ALTERNATE # \_\_\_\_\_

<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
Furnish and deliver <b>dump truck mid-mount wing plow</b> F.O.B. Grant County, WA	2	\$ _____ _____ % SST TOTAL BID	\$ _____ \$ _____ \$ _____

Make and Model: \_\_\_\_\_ Warranty Period: \_\_\_\_\_ Delivery: \_\_\_\_\_

**Dump truck mid-mount wing plow specifications**

The successful bidder will furnish and deliver dump truck mid-mount wing plows for snow plowing. This specification is patterned after the Henke HDPW 10-H Mid-Mount Wing Plow.

**General**

**List or confirm specifications & changes:**

- 2008 model year. \_\_\_\_\_
- Mid-mount wing with post/hitch assembly \_\_\_\_\_
- 10' moldboard length with adjustable plow angles \_\_\_\_\_
- 3/16" hi-tensile steel moldboard \_\_\_\_\_
- Pivot pin with 2" OD x 1½ " ID x 3.25" steel bushing \_\_\_\_\_
- Moldboard actuated by double acting 4" x 20.75" hydraulic cylinder \_\_\_\_\_
- Weight as designed by manufacturer. Please list weight \_\_\_\_\_
- Slide plate of ½" plate steel \_\_\_\_\_
- Slide actuated by double acting 4" x 18" hydraulic cylinder \_\_\_\_\_
- 18" inboard moldboard float \_\_\_\_\_
- 3/4" x 6" cutting edges with high carbon steel inserts and replaceable nose bit. List bit length \_\_\_\_\_
- 18" benching height \_\_\_\_\_
- Color: Manufacturer's standard \_\_\_\_\_
- All factory standard equipment and warranties including:
  - Provide two repair, two parts, and two operator's manuals at time of delivery. \_\_\_\_\_
  - 12 Month Warranty (minimum) \_\_\_\_\_
- Successful bidder shall mount and make mid-mount wing plow fully operational to existing county trucks #1230 and #1310, both 2004 Western Star 4900 FA 12/14 cy dump truck with Viking MW41R12 two-way snow plow. The bidder shall include all controls, valves and parts necessary for a complete installation. The successful bidder shall pickup and return the trucks from Grant County's Central Shop located at 124 Enterprise St. SE, Ephrata, WA \_\_\_\_\_

Trade-In: None

**Nearest service outlet for warranty repairs:**

**Proposed customer training:**

Company: _____	Contact: _____	Operator . . . . . _____ hrs @ \$ _____/hr
Street: _____	Phone: (_____) _____	Service . . . . . _____ hrs @ \$ _____/hr
City: _____	Fax: (_____) _____	Mechanical . . . _____ hrs @ \$ _____/hr
State: _____ Zip _____	Email: _____	Location . . . . . Ephrata, WA

*Fleet Add (Dist 1)*

**PROPOSAL Bid Item No. 2**

<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
Furnish and deliver <b>8,000 lb. forklift</b> F.O.B. Grant County, WA	1	\$ _____	\$ _____
		_____ % SST	\$ _____
		<b>TOTAL BID</b>	\$ _____

Make and Model: \_\_\_\_\_ Warranty Period: \_\_\_\_\_ Delivery: \_\_\_\_\_

**8,000 lb. Forklift Specifications**

The selected bidder is expected to furnish and deliver 8,000 lb. forklift designed to load/unload delivery carriers. This specification is modeled after the Hyster H80FT Forklift.

**General**

**List or confirm specifications & changes:**

- 2008 model year \_\_\_\_\_
- 20% gradeability with load \_\_\_\_\_
- 8,000 lb. lift capacity \_\_\_\_\_
- 12 mph road speed \_\_\_\_\_
- 13,300 lb. truck weight \_\_\_\_\_

**Engine**

- 6 cylinder, 4.3 liter, liquid propane engine, 90 SAE gross  
HP @ 2,400 rpm, 235 lb-ft torque @2000 rpm or equal  
This engine meets USA EPA requirements \_\_\_\_\_
- Magnetic fill/drain plugs \_\_\_\_\_
- Full flow spin-on oil filter \_\_\_\_\_

**Engine Compartment**

- Radiator, brass/copper with filter. Provide size recommended  
by engine mfg. Please list \_\_\_\_\_
- Engine coolant w/ethylene glycol protected to -60°F \_\_\_\_\_
- 120v 1,000 watt block heater \_\_\_\_\_
- Dry-type air-cleaner with pre-cleaner \_\_\_\_\_
- Power steering \_\_\_\_\_
- 12 volt electrical system \_\_\_\_\_
- 35 amp alternator \_\_\_\_\_
- One (1) 12 volt battery \_\_\_\_\_
- Muffler \_\_\_\_\_
- Automatic coolant fan control \_\_\_\_\_

**Transmission**

- Powershift 2 forward/ 2 reverse shuttle transmission \_\_\_\_\_
- One pedal foot directional control \_\_\_\_\_
- Magnetic fill/drain plugs \_\_\_\_\_

**Brakes, axles, suspension and tires**

- Power assisted front and rear disc brakes \_\_\_\_\_
- Parking brakes, spring -applied \_\_\_\_\_
- Front & rear axles and suspension per manufacturer's design \_\_\_\_\_
- Dual drive, four 250x15 18 ply front tires, air filled \_\_\_\_\_
- 7.00x12 12 ply steer tires, air filled \_\_\_\_\_
- Front fenders \_\_\_\_\_

**Hoist**

- 3 stage, 19 ft. fork height \_\_\_\_\_
- 60 inch wide fork carriage \_\_\_\_\_
- 5° back, 3° forward mast tilt \_\_\_\_\_
- 110 fpm lift speed loaded, 104 fpm lowering speed loaded \_\_\_\_\_
- 2" x 6" x 60" fork length, incl 2"dia. hole 6" from end \_\_\_\_\_

**Cab Equipment**

- Overhead guard package \_\_\_\_\_

- Electric horn \_\_\_\_\_
- Ignition keyed, provide four sets \_\_\_\_\_
- Front working/drive lights, rear facing drive lights \_\_\_\_\_
- Amber flashing strobe mounted on top of cab guard \_\_\_\_\_
- All standard analog system gauges, warning lights and chimes  
Please attach list \_\_\_\_\_
- All standard digital monitoring and diagnostic systems, warning  
lights and chimes. Please attach list \_\_\_\_\_
- Fuel level gauge \_\_\_\_\_
- Hour meter \_\_\_\_\_
- Backup alarm with volume level positions \_\_\_\_\_
- 5# Type ABC fire extinguisher \_\_\_\_\_
- Color \_\_\_\_\_
- Paint and color: Manufacturer's standard. (please list) \_\_\_\_\_
- Standard Equipment and Warranty \_\_\_\_\_
- All factory standard equipment and warranties including:  
Two parts books, two shop manuals, and two operator's  
manuals to be furnished at the time of delivery \_\_\_\_\_
- 12 month full service and repair warranty, except transport,  
for all components \_\_\_\_\_

Trade-Ins: None

Nearest service outlet for warranty repairs:

Company: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Street: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_  
 City: \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_  
 State: \_\_\_\_\_ Zip \_\_\_\_\_ Email: \_\_\_\_\_

Fleet Add (Dist 2)

Proposed customer training:

Operator . . . . . \_\_\_\_ hrs @ \$ \_\_\_\_/hr  
 Service . . . . . \_\_\_\_ hrs @ \$ \_\_\_\_/hr  
 Mechanical . . . . . \_\_\_\_ hrs @ \$ \_\_\_\_/hr  
 Location . . . . . Ephrata, WA

**PROPOSAL Bid Item No. 3**

<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
Furnish and deliver <b>rock rake</b> F.O.B. Grant County, WA	1	\$ _____	\$ _____
		_____ % SST	\$ _____
		<b>TOTAL BID</b>	\$ _____

Make and Model: \_\_\_\_\_ Warranty Period: \_\_\_\_\_ Delivery: \_\_\_\_\_

**Rock Rake Specifications**

The successful bidder will furnish and deliver rock rakes for the purpose of spreading aggregates on gravel County roads. This specification references the York Rock Rake.

**General**

List or confirm specifications & changes:

- 2008 model year. \_\_\_\_\_
  - 15 ft. overall length (minimum). \_\_\_\_\_
  - Adjustable two-way rear rake section to provide working width from 8 ft. to 9 ft. with fold down extensions. \_\_\_\_\_
  - 2 5/16" ball hitch on 5'-6" tongue. \_\_\_\_\_
  - Spring alloy rake teeth spaced with 1 1/4" opening at ground level with 70 teeth per rake. \_\_\_\_\_
  - 8" minimum clearance under rake with teeth raised. \_\_\_\_\_
  - 1,200 lb. operating weight. \_\_\_\_\_
  - Hinged deflector with adjustable spring tension for downward pressure and lock for transport. \_\_\_\_\_
  - 6:40 x 15 - 4 ply tires. \_\_\_\_\_
  - Bearing buddies on wheel hubs. \_\_\_\_\_
  - Color: Bright red. \_\_\_\_\_
  - Two parts books, two shop manuals, and two operator's manual to be furnished at the time of delivery. \_\_\_\_\_
  - All other standard factory equipment and warranties shall be provided. \_\_\_\_\_
- 12 Month Warranty (minimum) \_\_\_\_\_

Trade-In: None

Nearest service outlet for warranty repairs:

Proposed customer training:

Company: _____	Contact: _____	Operator . . . . . _____ hrs @ \$ _____/hr
Street: _____	Phone: (_____) _____	Service . . . . . _____ hrs @ \$ _____/hr
City: _____	Fax: (_____) _____	Mechanical . . . . . _____ hrs @ \$ _____/hr
State: _____ Zip _____	Email: _____	Location _____ Ephrata, WA

Replaces 3900 Dist 3

**PROPOSAL Bid Item No. 4**

<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
Furnish and deliver <b>self-propelled power broom</b> F.O.B. Grant County, WA	1	\$ _____	\$ _____
		Trade-in #079	(\$ _____)
		Subtotal	\$ _____
Dealer Bid Only: Trade-in offers may be considered separately? Yes _____ No _____		_____% SST	\$ _____
		<b>TOTAL BID</b>	\$ _____

Make and Model: \_\_\_\_\_ Warranty Period: \_\_\_\_\_ Delivery: \_\_\_\_\_

**Self-Propelled Power Broom Specifications**

The selected bidder is expected to furnish and deliver self-propelled power brooms designed to sweep excess aggregates and debris from road surfaces. This specification is patterned after the Broce RJ 350.

**General**

List or confirm specifications & changes:

- 2008 model year \_\_\_\_\_
- 80 hp diesel engine, John Deere 276 cu. in. or Cummins 239 cu. in. \_\_\_\_\_
- Dual element air cleaner with prescreener/precleaner \_\_\_\_\_
- Extension air cleaner stack \_\_\_\_\_
- Spin-on oil filters \_\_\_\_\_
- Engine covers to cover the entire engine compartment \_\_\_\_\_
- Block heater, 2000 watt or larger \_\_\_\_\_
- Hydrostatic drive w/two speed gear box, 34 mph travel speed in high. \_\_\_\_\_
- Front or center mounted broom: 8 ft. length and 32" diameter with extended core cover with flexible rubber bolt-on skirts, front and rear, to deflect rock \_\_\_\_\_
- Variable speed brush \_\_\_\_\_
- Brush down-pressure control with float control \_\_\_\_\_
- Single lever joy stick control for brush forward, reverse, left & right \_\_\_\_\_
- Additional hydraulic oil cooler, if available \_\_\_\_\_
- Heavy duty mounting frame, channel and plate steel \_\_\_\_\_
- Heavy duty brush frame, channel and pipe steel \_\_\_\_\_
- 45° broom angle, hydraulic left and right \_\_\_\_\_
- 150 gallon rust proof water sprinkler system with 2.5 gpm electric pump, water strainer and eight easy clean spray nozzles, low water shutoff \_\_\_\_\_
- Quick connect couplers for all hydraulic lines \_\_\_\_\_
- Two 10 micron hydraulic spin-on filters, suction and return \_\_\_\_\_
- Broom to be delivered with complete brush set of convoluted poly wafers (no spacers) installed \_\_\_\_\_
- ROPS cab, fully enclosed, with sound suppression package, factory installed heater, air conditioning, defroster; padded seat w/arm rests and seat belt; all factory instrumentation to include engine temp., oil pressure, voltmeter, tachometer, hour meter, fuel gauge, reverse alarm, inside rear view mirror, trailer type left and right outside mirrors, parking brake engagement light, traffic horn, engine throttle, hydraulic temp. gauge, AM/FM stereo radio, 12 volt accessory outlet, audible engine alarm system. \_\_\_\_\_
- Tilt and telescoping steering wheel \_\_\_\_\_
- LT225/75R16 Load Range E radial tires, Goodyear, with \_\_\_\_\_

- mounted spare tire and wheel \_\_\_\_\_
- Fenders, front and rear \_\_\_\_\_
- Front or rear steering permitted \_\_\_\_\_
- Whelen S360D strobe with 4 pattern controller mounted in cab \_\_\_\_\_
- Headlamps, LED brake, park and turn signal lights \_\_\_\_\_
- Battery disconnect switch \_\_\_\_\_
- 35 gallon fuel tank \_\_\_\_\_
- Front windshield and rear window wipers, washers \_\_\_\_\_
- Tow bar with neutral shift for towing and safety chains, 2-5/16" ball \_\_\_\_\_
- Two parts, two service, and five operator's manuals to be provided at time of delivery \_\_\_\_\_
- Color: Manufacturer's standard \_\_\_\_\_
- Written guarantee to cover all repairs, including parts, labor, materials, except transport, for a 12 month period after the date of delivery (please attach all warranty information) \_\_\_\_\_
- List or attach other factory standard equipment or literature \_\_\_\_\_

OPTIONAL EQUIPMENT: (Please do not include price of options in base bid. List additional prices for options here. Do not include sales tax.)

- Curb and gutter broom, 27" diameter with hydraulic lift, float and down pressure, reversible hydraulic motor \_\_\_\_\_
- Safety engine shut down system \_\_\_\_\_
- Suspension seat with arm rests \_\_\_\_\_
- Work light group, side and rear \_\_\_\_\_
- 7½ ft. scraper blade with hydraulic lift and angle right or left, quick couplers, field detachable for towing, with replaceable bolt-on high carbon cutting edge \_\_\_\_\_

Trade-Ins: #079 - 2001Waldon Sweepmaster 250 power broom  
Serial No. 28457

<u>Nearest service outlet for warranty repairs:</u>		<u>Proposed customer training:</u>	
Company: _____	Contact: _____	Operator . . . . .	_____ hrs @ \$ _____/hr
Street: _____	Phone: (_____) _____	Service . . . . .	_____ hrs @ \$ _____/hr
City: _____	Fax: (_____) _____	Mechanical . . . . .	_____ hrs @ \$ _____/hr
State: _____ Zip _____	Email: _____	Location . . . . .	Ephrata

Replaces: #079 (Central Shop)

**PROPOSAL Bid Item No. 5**

<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
Furnish and deliver <b>herbicide skid sprayer</b>	1	\$ _____	\$ _____
F.O.B. Grant County, WA		_____ % SST	\$ _____
		TOTAL BID	\$ _____

Make and Model: \_\_\_\_\_ Warranty Period: \_\_\_\_\_ Delivery: \_\_\_\_\_

**300 gallon Herbicide Skid Sprayer Specifications**

The selected bidder is expected to furnish and deliver 300 gallon herbicide skid sprayer designed to mix and apply herbicide chemicals along roadways. This specification is patterned after a unit built by AG Enterprise Supply, Inc.

General

List or confirm specifications & changes:

- 2008 model year \_\_\_\_\_

Platform

- The complete spray unit shall be skid mounted and fork liftable. \_\_\_\_\_

Water tank

- 300 gallon capacity \_\_\_\_\_
- Oval shape and made of polyethylene. \_\_\_\_\_
- Standard 2" hydrant fill system with 25 feet of flat laying hydrant hose with connection adaptors and hydrant wrench. \_\_\_\_\_
- Tank drain positioned for easy access and shall accommodate complete drainage of the tank. \_\_\_\_\_
- System shall have 6 inch anti-siphon air gap with cam lock, and ball valve at the hydrant connection point. \_\_\_\_\_
- View type sight gauges, one on the tank bulkhead, one on the side of the tank nearest hydrant fill assembly. Gauges shall be permanently calibrated in 100 gallon increments. \_\_\_\_\_
- 16 inch diameter manhole with sealable top and manhole ladder. \_\_\_\_\_
- Tank shall have bypass agitation system capable of mixing and suspending wettable powders. Shall be a jet type agitator with no mechanical parts. (Perforated tubes are not acceptable.) Jet nozzles shall be positioned in such a way to ensure full agitation of the 300 gallons of tank material. \_\_\_\_\_
- Shall have a 2-inch male cam lock located on the pressure side of the water pump and prior to the nozzle. This shall be controlled by a 2-inch ball valve on the receiving end. \_\_\_\_\_
- The bottom of the carrier tank shall have a five-inch wide flat area running full length to include a sump to provide full drainage of the tank. The tank shall have smooth inside walls with no pockets. \_\_\_\_\_
- The unit shall be equipped with a nine-gallon potable water tank, equipped with a spray wand. This tank will be used to flush the outside of the spray unit to include the ability to wash hands and flush the system of chemical. \_\_\_\_\_

Chemical Tanks

- Shall have two, slopping bottom, polyethylene tanks with 24-gallon capacity. \_\_\_\_\_
- Each tank shall be jet agitated, have a remote on/off control switch at the rear of the truck and have the capability to be \_\_\_\_\_

- turned off and on from the Raven console's Data Menu.
- Each chemical tank shall have a jet agitation system capable of constantly recirculating and mixing the product. 19-GPM-centrifugal 12V pump.
- Each chemical tank shall have a dedicated pump. The pumps shall be capable of loading, unloading, or agitating its dedicated tank simultaneously with the other pumps.
- Each chemical tank shall be plumbed with manually operated valves to prevent back flowing into the chemical and water tanks.
- Tanks shall be mounted to allow filling, and servicing, from the ground.
- Tanks, associated valves and plumbing shall be supported to prevent flexing and abnormal ware.
- All tanks including the main carrier tank shall be equipped with an in-line shut off valve, to stop the flow of material down line.
- All tanks associated with this unit shall be sealed, to prevent leakage of any type. In addition, no bolt-holes shall be drilled in any tank for the attachment of the tank to the platform.

Medium Pressure, High Volume, Water Pump

- Pump shall be able to accomplish the functional requirements of the entire unit bid. An Ace Brand centrifugal pump shall be utilized.
- There shall be an in-line strainer installed on the pressure side of the pump to protect spray system and eliminate the possibility of pump cavitations.

Water Pump Power System

- The unit is to have an electric start 5.5 hp Honda electric start motor with in-cab controls.
- All plumbing shall be adequately sized for pressure and flow. The plumbing shall have pressure ratings twice that of the system's maximum pressure.

Controlled Chemical Injection

- Shall have two positive displacement piston pumps with flow and vacuum sensors. Both shall have 1-40 ounces per minute capacity. (Peristaltic squeeze pumps are unacceptable.)
- Vendor shall supply option pricing for additional chemical pumps including installation. *Please list*
- Each pump shall be controlled by a 12V DC motor. Each pump will inject a precise rate of product on the pressure side of the carrier line and prior to the inline mixer.
- The use of an auxiliary pump to inject metered chemicals into the pressure line will not be accepted.
- Pumps shall receive electronic signals from a Raven SCS 4400. This console will automatically vary the motor/pump speed to maintain the chemical injection at a preset rate programmed by the operator.
- The unit shall be equipped with a flushing system, and have the ability to flush the entire pressure injection system after use.
- The system shall be equipped with a dry disconnect with a maximum of 0.1ml at 15 psi per disconnection. (Quick-change

diaphragm style connectors are not acceptable.)

In Line Mixer

- Shall have a stainless steel in line mixing chamber. Shall be located between the spray head and the chemical injection points.

Spray Head

- Shall be a two-section boomless and driplless, spray head assembly. Each spray boom section shall be individually controlled by it's own shut-off valve with an actuator to adjustable tilt of the nozzles. Stream jet style nozzles are to be used. (An oscillating, or "Nutating" head is unacceptable.)
- The spray head shall include all necessary components to ensure proper operation and uniform spray patterns.
- Spray head shall apply uniform coverage throughout the total swath. The swath is from the side of the vehicle and extending in the right of way.
- The spray head shut off valves shall be compatible with all products used in Grant County's herbicide program and have the ability to discontinue spray head flow within 0.75 seconds. (3/4 of a Second)

Lower Nozzle Assembly

- Shall have a driplless, 4-section Boom Buster nozzle assembly on the passenger side of the truck to spray. With two nozzles provided for under guardrail applications.
- Shall be mounted below the spray head in such a manner that will allow the nozzle(s) height to be adjusted to accommodate different heights.
- A deflector device shall be installed on the guardrail nozzle boom to protect the boom from oncoming delineators.

Spray System Control Center

- The control computer shall be a Raven 4400 with CAN BUS wiring and shall control all spray functions.
- The console shall be capable of displaying application rate and data for up to 5 products simultaneously. No exceptions.
- Each of the products on the control console can be user programmed to perform independently, for multiple width applications (residual spraying and broadleaf control applied simultaneously on different boom sections).
- The product output rates shall be displayed utilizing ounces or gallons.
- Shall have the ability to increase or decrease any product rate on the fly during application.
- The console shall maintain a constant carrier rate per acre, while adjusting the injection pumps and varying the injection pump rate. The road speed of the unit shall not affect the water, or chemical rates per acre.
- All consoles shall be mounted on a common pedestal in the truck cab, and shall be accessible to both driver and passenger.
- The computer consoles shall adjust the injector pump output rates within 0.5 of a second when changing spray widths, vehicle speeds, or flow changes.
- The console shall be capable of metering, recording water, and chemical flow when the vehicle is stopped and the handgun is

- being utilized. \_\_\_\_\_
- The console shall have the capability of downloading files to a flash disc in the control console. \_\_\_\_\_
- The mechanical console shall control the tilt of the spray heads, handgun operation. (Multiple mechanical consoles will not be accepted.) \_\_\_\_\_
- Shall be equipped with a flow meter to control a range of 1 to 60 gallon per minute in the main carrier line. \_\_\_\_\_
- The flow control shall maintain a selected carrier rate per acre. \_\_\_\_\_
- The computer console shall have the capability of rotating or swiveling away from the dash to accommodate in dash maintenance. \_\_\_\_\_

Chemical Hand Gun

- The handgun hose reel shall be a commercial or industrial duty, manual rewind type and mounted on the curbside of the platform. \_\_\_\_\_
- Shall have 100 feet of 1/2-in. diameter, 200-psi hose. \_\_\_\_\_
- Shall be a trigger style with removable nozzles. Shall be equipped with orifice disk number 10. \_\_\_\_\_
- There shall be a flow switch installed in the handgun feed line, which will turn the chemical injection pumps off when handgun trigger is released. \_\_\_\_\_

Special Requirements

- The entire unit shall be equipped with installed, engraved labels for all the plumbing and valves. The labeling shall have the ability to withstand the various types of chemicals without deteriorating or falling off. (Laminated paper labels are unacceptable.) \_\_\_\_\_
- The manifold and mix chambers shall be placed on the top side of the platform and shall be located in an area which is easily accessible to the operators and mechanics. \_\_\_\_\_
- In a fully loaded condition the entire unit shall comply with all Washington State bridge weight laws and standards. \_\_\_\_\_
- All plumbing lines and connected devices shall be corrosion resistant to the herbicide chemicals to be used in this unit. \_\_\_\_\_
- All water lines shall not be continuous run lines. The lines shall be equipped with disconnect features to allow the removal of main component parts. (Example). \_\_\_\_\_
  1. Main carrier Tank \_\_\_\_\_
  2. Chemical Tanks \_\_\_\_\_
  3. Spray Head \_\_\_\_\_
    - a. All related electrical components shall be equipped with quick disconnect weather pack connectors for removal of the spray unit from the chassis. \_\_\_\_\_
    - b. All electrical components shall be protected by reset able circuit breakers utilizing a dedicated panel. The panel shall be located in an area accessible to the user and mechanics. A NEMA X weatherproof box shall be utilized for any switches outside of the cab. \_\_\_\_\_
    - c. All wiring associated with this unit shall not run under the platform. The wiring shall run on top of the platform and shall not be spliced without utilizing weather pack connectors. \_\_\_\_\_

- d. All switches shall be sealed and watertight. \_\_\_\_\_
- e. All wiring shall be run in chemical resistant looms. \_\_\_\_\_
- f. All wiring associated with this equipment shall have wire identification every six inches, or striped wires of assorted colors are acceptable. \_\_\_\_\_
- g. The pressure gauges utilized on this unit shall be liquid filled high pressure gauges. \_\_\_\_\_
- h. A powder coat painting process shall be utilized on the unit prior to acceptance. \_\_\_\_\_
- i. Vendor shall provide option pricing for additional equipment training. This price shall be by the hour and the price shall be considered during bid award. \_\_\_\_\_
- j. All hoses used in feeding the various boom sections are to be a different color to all of the sections for diagnosing purposes. \_\_\_\_\_
- k. All hoses used in plumbing the chemical tanks, agitation pumps, and injection pumps are to be different colors. \_\_\_\_\_

Miscellaneous Items

- Successful bidder shall mount and make the skid sprayer fully operational on Grant County owned 2004 Ford 4x4 F350 quad cab chassis and platform bed with 9,900 gvw. The bidder shall pick up the chassis at 124 Enterprise St. SE, Ephrata, WA \_\_\_\_\_
- Two parts, two service, and two operator's manuals to be assembled and provided at time of delivery \_\_\_\_\_
- Color: Manufacturer's standard \_\_\_\_\_
- Written warranty to cover all repairs, including parts, labor, materials, except transport, for a 12 month period after the date of delivery (please attach all warranty information.) \_\_\_\_\_

Trade-In: None

Nearest service outlet for warranty repairs:

Company: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Street: \_\_\_\_\_ Phone: (\_\_\_\_\_) \_\_\_\_\_  
 City: \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_  
 State: \_\_\_\_\_ Zip \_\_\_\_\_ Email: \_\_\_\_\_

Proposed customer training:

Operator . . . . . \_\_\_\_\_ hrs @ \$ \_\_\_\_\_/hr  
 Service . . . . . \_\_\_\_\_ hrs @ \$ \_\_\_\_\_/hr  
 Mechanical . . . . . \_\_\_\_\_ hrs @ \$ \_\_\_\_\_/hr  
 Location . . . . . Ephrata

New (Central Shop for Noxious Weed)

## **Non-Collusion Declaration**

**I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:**

1. That the undersigned person(s), firm, association, or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.**

## Proposal for New Equipment - Signature Page

The Bidder supplying new vehicles and trade-in offers is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

No proposal guaranty is required for this bid proposal offering new vehicles and trade-in offers.

Receipt is hereby acknowledged of addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.

In compliance with Chapter 39.34.030(5)b RCW a public notice for this solicitation for bids has been posted on Grant County's website at [http://www.grantcountyweb.us/sub\\_Public\\_Works/index.htm](http://www.grantcountyweb.us/sub_Public_Works/index.htm)

- The Bidder will allow Grant County to purchase additional contract items at the original bid prices offered: ..... Yes \_\_\_ No \_\_\_
- The Bidder will allow other public agencies to purchase additional contract items at the original prices offered (RCW 39.34): ..... Yes \_\_\_ No \_\_\_
- The Bidder will allow modifications on contract items for additional purchase requests (subject to wholesale price adjustments agreeable to each public agency): ..... Yes \_\_\_ No \_\_\_
- The Bidder agrees to provide extended purchase options thru March 15, 2008 ... Yes \_\_\_ \*No \_\_\_  
\*If "No" is checked please show acceptable extended purchase period: .... \_\_\_\_\_
- The Bidder understands Grant County accepts no responsibility for the payment of any additional purchase requests made by other public agencies: ..... Yes \_\_\_ No \_\_\_
- The Bidder understands Grant County is not required to purchase additional contract items: ..... Yes \_\_\_ No \_\_\_

Signature of Authorized Official(s)

### PROPOSAL MUST BE SIGNED

\_\_\_\_\_

Please Print Name of Authorized Official

Firm Name \_\_\_\_\_

Address \_\_\_\_\_

City, St, Zip \_\_\_\_\_

Voice (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

State of Washington License No. \_\_\_\_\_

Federal ID No. \_\_\_\_\_

**Note:**

- (1) This proposal form is not transferable and any alteration entered hereon without prior permission from the County Engineer will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communication: **Equipment Contract 2008-03**

## Proposal for Trade-ins - Signature Page

The Bidder for trade-in vehicles only (not including new vehicle dealers) is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A 5% proposal guarantee is required for the bid proposal for trade-ins.  
(Please attach cashier's check or certified check.)

Receipt is hereby acknowledged of addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.

Additional terms:

- If the Bidder's offer to purchase used equipment is accepted by the County, the bidder understands he/she has 30 days to complete the sale after notification of the delivery of new vehicle.
- The Bidder may be allowed to withdraw his/her offer if the used vehicle is damaged or has become mechanically unreliable and the value of used vehicle is reduced. In the event this happens the County and the Bidder may negotiate a new purchase price.
- The bidder will not be permitted to withdraw his/her offer do to increased mileage.

Signature of Authorized Official(s)

**PROPOSAL MUST BE SIGNED** \_\_\_\_\_

\_\_\_\_\_  
Please Print Name

Firm Name \_\_\_\_\_

Address \_\_\_\_\_

City, St, Zip \_\_\_\_\_

Voice (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

Note:

- (1) This proposal form is not transferable and any alteration entered hereon without prior permission from the County Engineer will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communication: **Equipment Contract 2008-03**

## CONTRACT

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2008, between the Board of County Commissioners of Grant County, State of Washington, acting under and by virtue of Chapter 36.77 of the Revised Code of Washington, as amended, hereinafter called the County, and \_\_\_\_\_, for itself, its heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

### WITNESSETH:

That in consideration of the payments, covenants, and agreements, hereinafter mentioned, and attached and made a part of this agreement, to be made and performed by the parties hereto, and the parties hereto covenant and agree as follows:

### DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, labor and equipment necessary to improve and complete **Equipment Contract 2008-03**, located in Grant County, Washington, as proposed in a bid opened **2:00 PM, Tuesday, January 29, 2008** in accordance with and as described in the herein attached plans and standard specifications, and in full compliance with the terms, conditions, and stipulations herein set forth and attached, now referred to any by such reference incorporated herein and made part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work may be ordered as provided in this contract and every part thereof.
2. The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.
3. The County hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to employ the Contractor to perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work that may be ordered and pay for same under the terms of this contract and the attached plans and specifications.
4. The Contractor for himself, and for his heirs, executors, administrators and assigns, and successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.

5. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided herein.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of aforesaid County has caused this instrument to be executed by and in the name of said Board by its Members, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date in this instrument first above written.

\_\_\_\_\_, 2008

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

( ) \_\_\_\_\_  
Phone

*(County Seal)*

ATTEST:

\_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM:

\_\_\_\_\_ day of \_\_\_\_\_, 2008

\_\_\_\_\_  
Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS  
OF GRANT COUNTY, WASHINGTON

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Commissioner