

SKAGIT COUNTY
MOUNT VERNON, WASHINGTON

Purchase of New Equipment

Skagit County is an Equal Opportunity Employer

SEALED BIDS will be received and publicly opened in the Commissioners' Hearing Room, Skagit County Administration Building, Suite 100, 1800 Continental Place, Mt. Vernon, Washington 98273, on **Monday, February 9, 2015 at the hour of 2:00 P.M.**, or as soon thereafter as possible, for the following equipment for Skagit County:

THREE NEW LATEST MODEL FOUR-AXLE DUMP TRUCKS

1. The successful bidder must deliver the trucks, ready for use, to Burlington, Washington.
2. Bidders must submit with their proposals, complete manufacturer's specifications and warranties covering the equipment bid.
3. For each separate proposal, the total price to Skagit County must be shown. No adjustments, credits, rebates, or other charges by the bidder will be considered after the bid opening.
4. **Bids must be accompanied by a bid deposit in the form of cash, a cashier's check, a certified check, or a surety bond in the amount equal to FIVE PERCENT (5%) of the amount of the bid proposed.**
5. The bid deposits of all unsuccessful bidders will be returned after the bid is awarded. The bid deposit of the successful bidder will be retained by Skagit County until receipt of and acceptance of the equipment by the County.
6. Delivery of these units by November 30, 2015 is required. See #9 for details related to delivery of unit on time.
7. The Board of County Commissioners will award the bid to the lowest or best bid, taking into consideration: price, probable future maintenance costs based on proximity and availability of parts and service, warranties offered, and other factors that will contribute toward their exercising judgment to obtain the best value for the County. The Board reserves the right to waive minor irregularities in the bidding.
8. Bid envelopes must be clearly marked on the outside, "Sealed Bid for Three New Latest Model Four-Axle Dump Trucks to be opened at 2:00 P.M., February 9, 2015", and must be delivered to the office of the Skagit County Commissioners prior to bid opening time. Bids received and not so marked will not be considered.

Mailing Address: Skagit County Commissioners
County Admin. Bldg., Suite 100
1800 Continental Place,
Mount Vernon, WA 98273

9. Payment will be made within 30 days of receipt of and acceptance of the equipment by the County. The County may assess liquidated damages against the vendor in the amount of 1% of the dollar value of the total bid award amount for each week that any of the items are delivered past the agreed upon delivery date of November 30, 2015, up to a maximum of four weeks past the agreed upon delivery date, or to a maximum of 4% liquidated damages (1% for up to four weeks).

BID ITEM: THREE NEW LATEST MODEL FOUR-AXLE DUMP TRUCKS

1.01 The purpose of this Call for Bids is to purchase three new, four-axle, dump trucks in the 55,000 Gross Vehicle Weight Rating (GVWR) range. These trucks will be used for general rock, gravel, road construction and road maintenance materials hauling purposes. It is estimated that 80% of their use will consist of highway use and the other 20% will be highway/mountain, off-highway and off-road use. Installed upon the trucks chassis will be a 12-14 cubic yard dump box with hoist. The trucks will be equipped to tow a fully loaded 12 cubic yard dump trailer or a flat deck tilt trailer. A spreader bar will be included in the rear hitch configuration to allow for connection to a chip spreader (contact owner for exact dimensions during pre-build meeting). The entire truck/trailer combination must be comprised of components capable of handling a Gross Combination Weight Rating (GCWR) of 90,000 pounds.

1.02 Specifications pertaining to wheel base and cab-to-trunion are not absolute. The dump box will be approximately 16 feet long. Weight distribution is expected to allow maximum load to be carried on each set of axles. The successful bidder will be required to present a diagram that depicts a legal weight distribution, by axle. It is expected that this trucks will be able to legally gross at a minimum of 54,500 pounds.

1.03 A minimum of two hours instruction on the operation and maintenance of this unit, by a factory trained technician, will be included in this bid and provided near the time of delivery.

CAB & CHASSIS (3 TOTAL)

List Manufacturer: _____ List Model: _____ List Production Year: _____

REQUIREMENTS/SPECIFICATIONS:

CONFORMANCE (Yes/No)

A. CHASSIS

- | | |
|--|-------|
| 1. GVWR (by manufacturer) 54,500 LBS., minimum: | _____ |
| 2. G.C.W.R. to 90,000 LBS | _____ |
| 3. Manufacturer's standard set-back axle, (approx. 65 inches): | _____ |
| 4. Wheelbase measurements (Provide profile drawing) | _____ |
| a. List wheelbase, appr. 200 inches: | _____ |
| b. List front axle to back of cab, appr. 62-72 inches: | _____ |
| c. List back of cab to axle, appr. 120 inches: | _____ |
| d. List axle to end of frame, appr. 63 inches: | _____ |

B. ENGINE AND EQUIPMENT

- 1. Cummins ISX 450 electronic engine or equal (**list**), turbo-charged, with air to air after-cooling. Mid stop cylinder liners. 450 HP at 1650 rpm and 1650 FT-LB torque at 1200 RPM with "Jacobs" engine brake and heavy duty mounting package. _____
- a. Fuel Economy: List average MPG when truck is fully loaded (54,500): _____
- 2. Hand or electric fuel primer pump: _____
- 3. Engine oil cooler: _____
- 4. Gear reduction starting motor _____
- 5. Batteries (3) 12 volt 2775 CCA: _____
- 6. Aluminum battery box: _____
- 7. Battery disconnect switch, mounted in cab: _____
- 8. 160 amp alternator, 12 volt, pad mount: _____
- 9. Bendix 21.0 CFM air compressor: _____
- 10. Spin on fuel filter and Racon or equal micron fuel water separator / fuel pre filter: _____
- 11. Engine block heater: _____
- 12. Rear mounted (REPTO) PTO is required: _____
- 13. Horton fan clutch or equal: _____
- 14. Exhaust System – single, horizontal, after treatment devise frame mounted – right side under cab. Vertical tail pipe and guard, right-hand, stainless steel shield, include turnout tail pipe: _____
- 15. Premium radiator and heater hoses, required: _____

C. TRANSMISSION AND CLUTCH

- 1. Fuller RTLO (F)-18918B 18 speed, with oil cooler: _____
- 2. 1810 series driveline: _____
- 3. Clutch: Eaton Fuller EP 1552, 15.5"Diameter ceramic clutch w/torque limiting clutch brake, 1860 lb ft torque capacity: _____

D. FRONT AXLE

- 1. Set-Back front axle; 18,000 pounds, wide track with threaded style shackle pins: _____
- 2. Taper leaf springs of equal weight to front axle, to include shock absorbers: _____
- 3. Stemco oil seals, steel hubs: _____
- 4. 16.5" x 6" Q type cam brakes: _____
- 5. Power steering required: _____
- 6. Bendix auto slack adjusters: _____
- 7. Tires; 12.00 R 22.5 16 ply: _____
- 8. Wheels; 22.5" non-polished aluminum bud wheels, hub piloted: _____

E. REAR AXLES

- 1. Tandem rear axles (.433 wall thickness), 40,000 pound capacity (Eaton DD404P or equal), 4.11 to 1 ratio, four-way axle interlock with power divider lockout. _____
 - a. Add separate dash mounted switches to control axle lockups: _____
- 2. Hendrickson HMX-400-54 walking beam type 54" with rubber end bushings, transverse torque rods less shock absorbers. _____
- 3. Air cam brakes, S-cam 16.5" x 7" out board drums with Bendix ASA-5 auto. slack adjusters: _____
- 4. 3030 park brake, air lines to have swivel fittings at can. _____
- 5. Tires; 11.00 R 22.5 16 ply, w/ traction tread: _____
- 6. Wheels; painted white, steel bud wheels, hub piloted: _____

F. FRAME AND EQUIPMENT

- 1. Fully reinforced "C"-channel steel alloy frame; 120,000 psi, 29.0 inch section modules and 3.5 million RBM: _____

- 2. Front frame extension 20" - frame rail to be full dimension to allow for snow plow mounting: _____
- 3. Aluminum fuel tank mounted on left side under cab, 100 gallon capacity: _____
- 4. Grill: Stationary, chrome: _____
- 5. Heavy duty all steel front bumper (swept back) with:
2 tow hooks (do not mount - put in cab), no middle mounted eye: _____
- 6. Minimum, two air reservoirs with total capacity of 7,488cu. in., with check valve between tanks: _____
- 7. 13,200 pound, steerable, self aligning lift axle, with air suspension and 255 75R x 22.5 tires. Hendrickson Para Lift or equal; List: _____
 - a. Actuating switch in cab: _____
- 8. Front fender extensions: black rubber: _____

G. AIR AND TRAILER EQUIPMENT

- 1. Air lines and electrical connections for towing trailers – red right. Must also be capable of towing older style, non-ABS trailers: _____
 - a. Tail gate controls to be electric over air, wired through the 7-way plug auxiliary circuit blue wire: _____
- 2. Bendix AD-IP air dryer w/heater and moisture ejection valve, include spin on filter if available: _____

H. CAB AND EQUIPMENT

- 1. Conventional style cab: _____
- 2. Automotive type hinges required for doors: _____
- 3. Cab air conditioning, include HVAC fresh air filter: _____
- 4. Arm rest on both doors: _____
- 5. Fully insulated and padded cab, thermal noise reduction with insulation and padding in walls, floor and ceiling: _____
- 6. Driver's seat, National 2000 air suspension, model 195, fabric: _____

7. Passenger seat, non suspension: _____
8. Air ride cab suspension: _____
9. Heater with integral defrosters: _____
10. Sun visors, coat hooks, dome / reading light: _____
11. Rubber floor liner with insulated backing (no carpet), include
(2) removable rubber floor mats: _____
12. Circuit breakers in place of fuses required: _____
13. Electric intermittent windshield wipers: _____
14. Heated 6-way rear view mirrors, breakaway type
with both sides being motor adjustable: _____
15. Dash toggle switches to include 3 spares: _____
16. Single air horn: _____
17. All glass to be heat absorbing, tinted: _____
18. All Lighting to be LED: _____
19. AM - FM radio with two speakers: _____
20. Windows electrically controlled by operator: _____
21. Dual grab handles (interior and exterior)
Exterior to be chrome towel bar type: _____
22. Exterior sun visor: _____
23. (2) cup holders: _____
24. Tilt-telescoping steering: _____
25. Fire extinguisher and first aid kit: _____
26. Exhaust switch to inhibit diesel particulate filter regeneration as
long as switch is on: _____
27. Electric back up alarm: _____

28. Gauges and Meters

- a) Air pressure application (dual): _____
- b) Engine oil pressure: _____
- c) Voltmeter: _____
- d) Speedometer, tachometer, and hour meter: _____
- e) Fuel level: _____
- f) Air filter restriction indicator: _____
- g) Engine temperature: _____
- h) Ambient temperature gauge mounted in cab: _____
- i) Fault code display: _____

29. Prewiring

- a) Prewired for C.B. radio (power and ground), include external speaker:
Do not include antenna: _____
- b) Prewired for center of header mounted two way radio in cab
with 20 Amp fuse protection: _____
- c) Prewired for snow plow lights – include dash mounted switch
in cab (less plow and turn signal lights): _____

I. PAINT

- 1. Basecoat / urethane clear coat paint; white with top of hood to be
painted flat black: _____

J. STANDARD REQUIREMENTS

- 1. All seat belts, lights, turn signals (self canceling) and safety equipment
required to meet all code requirements for the vehicle to
be driven on the highways of the State of Washington: _____
- 2. Paper manuals (2 operators' and 1 parts and service) are required: _____
- 3. Provide software package for engine and components: _____
- 4 All other features of the manufacturer's standard production
model are required: _____
- 5. Minimum of two hours instruction on the operation and maintenance of these
units, by a factory trained technician: _____
- 6. Pick up and delivery of truck for warranty work is required: _____

DUMP BODIES / HOISTS / ACCESSORIES (3 TOTAL)

2.01 Installed upon each truck chassis will be a 12-14 cubic yard dump box with hoist. The trucks will be equipped to tow a fully loaded 12 cubic yard dump trailer or a flat deck tilt trailer. A spreader bar will be included in the rear hitch configuration to allow for connection to a chip spreader (contact owner for exact dimensions during pre-build meeting). The successful bidder must provide hoist and trailer hitch as well as all electrical, hydraulic, pneumatic, and mechanical components required to assemble and install the dump body on each truck. The trucks will also be set up to have the capability to operate a snow plow and a sander. The successful bidder must make all necessary modifications, adjustments, and connections to assure that each truck, with dump body, is complete and ready for efficient use, when delivered to the County.

2.02 Each dump body, hoist, and all ancillary components must be installed upon the trucks (3) chassis by the successful bidder, or his designated representative.

2.03 Following are some specifications/features desired. In some cases these specifications are not absolute. **A pre-build meeting with county staff will be scheduled to determine exact needs prior to building the dump bodies and installing any accessories on to the trucks.** The County desires well-built dump bodies, fabricated from high quality materials. There is no intent to force an experienced, competent manufacturer to appreciably modify his standard production model to meet what is considered an arbitrary personal preference.

List Dump Body Provider: _____

REQUIREMENTS/SPECIFICATIONS

CONFORMANCE (Yes/No)

- | | |
|---|-------|
| 1. Capacity: 12-14 cubic yard dump body with raised ends.
Sides of box to be 36" high and will have 3" wide by 8" high side boards: The total height of the sides will be 44" from bottom of box to top of sideboards. Overall height of truck with box not to exceed 8'4" (measured to the top of the side boards): | _____ |
| 2. Body to have overhang behind rear tires of approximately 18-20 inches, so asphalt lip is not needed: | _____ |
| 3. Floor; 1/4-inch Scandia 400 (225,000 PSI), one piece: | _____ |
| 4. High lift tailgate; Steel construction (1/4 -inch Scandia on inside) Must have a dedicated hydraulic circuit and have an adjustable flow restrictor. <u>Lift arms for tail gate must allow clearance for highway sander to fit in to box.</u> Exact measurements to be determined at pre-build meeting; | _____ |
| 5. Tailgate to be sloped approximately 20 degrees. Include lift eye in center of top of tailgate: | _____ |
| 6. Four (4) key hole plates on each tailgate for spread and lay down chains: | _____ |

7. Cab guard; 10 gauge high tensile steel, 1/3 forward, full width of dump body: _____
8. Dash; 3/16" Scandia 400 steel, 52 inches high: _____
9. 36" high sides; Single wall construction with continuous welds. Wall to be one piece, 3/16-inch Scandia 400 steel: _____
10. Steps will extend the length of box, both sides: _____
11. Body Splash Guards; 10 gauge high tensile steel: _____
12. Rear Corner Posts; 1/4-inch high tensile steel 5 1/2-inch x 9-inch x 5 1/2-inch: _____
13. Longitudinals; 3/16-inch, high tensile steel trapezoid section, 3-inches at the bottom, 10-inches height overall, 14-inches wide at the top (including 1 1/2-inch tab each side): _____
14. All lights to be LED.
 - a) Two (2) recessed light guards on each side, (1) set for stop and turn and (1) set used for back up lights:
 - b) Additional back-up light; flood type, mounted on frame near license plate area: _____
15. 3" side board pockets on both sides. Include 3" wide X 8" high composite side boards (2): _____
16. Tailgate controls; Air cylinder mounted at middle of rear bed. Trip shaft rod to be 1 1/4-inch round stock with six bearings to be 1-inch x 3-inch x 3-inch of which two bearings are to be mounted on bolsters 2 inches inboard from the outer ends of the trip shaft: _____
17. Rubber cushions; 3/16-inch plate with 1/2-inch 80 durometer rubber: _____
18. Hoist tower to be of formed, 1/4-inch Scandia 400 steel: _____
19. Body prop mounted 29" from center of rear bed pin on left side: _____
20. All wiring to be enclosed in conduit. Verify wiring diagram and equipment plugs with owner at pre build meeting: _____
21. Full time stop circuit is to be used to actuate the trailer reach clamp, the switch is to be located on the control console: _____

22. Upright, 35 gallon hydraulic tank, mounted ahead of hoist cylinder, on subframe. Tank shall not protrude into trucks back window. Sight gauge and fill cap on drivers side. Fill cap to be mounted so tank can be filled with dump body down. Parker 40CN or equal return filter, mounted to tank, and located above the full oil level. 3 year warranty on components with 40CN filter: Include tank shut off valve. _____

23. Hoist; 5-inch, 3 stage, telescopic, front mounted, 2,500 PSI. List manufacturer and model: _____

24. Grease fittings and bleeder valves for the hoist to be accessible from ground level: _____

25. Pump: _____

a) Shall be a Commercial Model P330A442EJAB17-43 or equal and shall be powered from rear engine live PTO: _____

b) Must produce required flows and pressures for use with 5" diameter lift cylinder: _____

c) Pump driveline to be tubular style: _____

26. Valve assembly to be an open center type Gressen model VC35SR-DAX-DX(RA5)-CX-CX-CX or equal for operating truck hoist, plow lift, plow angle, pup trailer, high-lift tailgate and sand spreader: _____

27. Cab Controls: _____

a) Cab control center will be a Norstar model 2AD-1AQ-1ATM-3AT or pre-approved equal, pedestal mounted console and air controls. Final placement shall be approved by the County during pre build meeting: _____

b) Dump bed hoists, plow lift and lower and plow angle left and right functions will be dual compensating, Vector 918000 series, (no exceptions). The hoist control levers will have an automatic neutral lock, which pulls up to release. Truck dump body control valve only, to be detented in the down position: _____

c) The top of all lever handles will be lighted and labeled with function and action. The control levers will push to lower dump bed and snowplow. There will be three (3) Norstar 20380 or equal air toggles with guards in the console for operating sander hydraulics and dump body tailgate air trip cylinders. Toggles will have indicator lights and labels indicating function and action: _____

28. Spreader controls:

a) Sand spreader control system will be Norstar NS200-OC or pre-approved equal. The cab control portion of the system must have an on/off power switch with indicator light, and a push button switch that increases to maximum conveyor/auger feed rate. Two knobs for spinner spread width and conveyor/auger feed rate control:

b) The cab control box will be mounted convenient to the operator in adjustable brackets on the side of the cab control center:

c) It must be possible to easily remove or service the sander control box without affecting other operations in the control center console. The valve portion of the Norstar NS-200OC system must be a dual, pressure compensated, flow control valve:

d) The valve shall be a single manifold with two electro-proportional, solenoid cartridge valves:

29. All necessary hydraulic line ends to be quick couplers. Style and location to be compatible with existing equipment (highway sanders and snow plows) – verify with owner at pre build meeting:

30. Hitch; Premier 370 air hitch, or equal, with 7" spreader bar. Must have 6" visible window (spreader bar dimensions to be verified at pre build meeting). Note: Bottom of spreader bar to be 10" from the ground:

31. Provide two D-rings for trailer safety chains:

32. Locking tool box - size and mounting location decided during pre build meeting.

33. Shovel holder and hangers for tow cables and tire chains. Locations determined at pre build meeting:

34. Provide 2 hooks on each side of box (total for 4) for chaining down highway sander – verify exact locations at pre build meeting:

35. Mud flaps front and rear of tires, required:

36. Body to be primed and painted, smudge aluminum:

37. Provide six aerosol cans or 2 quarts of matching paint to owner:

38. Install electric tarp system with high mount arms and tarp rated for hot asphalt. Pull-Tarp brand or equal. Include a control switch on the console:

- 39. Front fender mounted plow lights (headlight and turn signal combo).
Truck Lite # 80800 auxiliary lights with stainless steel mounting brackets: _____
- 40. Any add on wiring must be able to be disconnected through the trucks battery disconnect: _____
- 41. All other features of the manufacturer's standard production model are required: _____
- 42. List any features, not listed above but included in your bid, that can be considered of value to the County:

CHASSIS , BODY AND COMPONENTS:

- 1. List warranties on Chassis, Body and Components:
- 2. List estimated number of days until delivery after Skagit County awards bid: _____
- 3. Will you be able to provide completed dump trucks by November 30, 2015? YES or No

OPTION 1 (Provide Price for this on Page 13 and 14)

Allison 6-speed Transmission with oil level sensor, PTO provision, less retainer and include automatic neutral (transmission will shift into neutral when parking brake is engaged and remains in neutral when parking brake is disengaged). Is this option available? YES or No

DOCUMENTS TO BE SUBMITTED WITH BID PROPOSAL:

- A) This Completed bid packet. Please put price sheets (pages 13 and 14) in front of packet.
- B) Bid deposit as described on Page 1, Paragraph 4. (Please mark so that it is easy to find with bid packet)
- C) Copies of warranties offered.
- D) Pamphlets and / or brochures depicting features of unit bid.

QUESTIONS: For questions, contact Mike Elde or George Stucks at 360-755-9531.

BID ITEM: THREE NEW LATEST MODEL FOUR-AXLE DUMP TRUCKS
Bid Opening: February 9, 2015 @ 2 PM

NAME OF COMPANY: _____
ADDRESS: _____
BY: _____ TITLE: _____
TELEPHONE NUMBER: _____

PRIMARY PROPOSAL

Cab & Chassis: List Year _____ Model _____ Manufacturer _____

Dump Box: List Year _____ Model _____ Manufacturer _____

TOTAL BID PRICE FOR THREE (3) UNITS w/ 18 SPEED TRANSMISSIONS: \$ _____

ADD SALES TAX: \$ _____

TOTAL OUT-OF-POCKET COST TO SKAGIT COUNTY: \$ _____

PIMARY PROPOSAL w/ OPTION 1 (AUTOMATIC TRANSMISSIONS)

TOTAL BID PRICE FOR THREE (3) UNITS w/ ALLISON
6-SPEED TRANSMISSIONS \$ _____

ADD SALES TAX: \$ _____

TOTAL OUT-OF-POCKET COST TO SKAGIT COUNTY: \$ _____

BID ITEM: THREE NEW LATEST MODEL FOUR-AXLE DUMP TRUCKS
Bid Opening: February 9, 2015 @ 2 PM

NAME OF COMPANY: _____
ADDRESS: _____
BY: _____ TITLE: _____
TELEPHONE NUMBER: _____

NOTE: Secondary Proposals are not required

SECONDARY PROPOSAL

Cab & Chassis: List Year _____ Model _____ Manufacturer _____
Dump Box: List Year _____ Model _____ Manufacturer _____

TOTAL BID PRICE FOR THREE (3) UNITS w/ 18 SPEED TRANSMISSIONS: \$ _____
ADD SALES TAX: \$ _____
TOTAL OUT-OF-POCKET COST TO SKAGIT COUNTY: \$ _____

SECONDARY PROPOSAL w/ OPTION 1 (AUTOMATIC TRANSMISSIONS)

TOTAL BID PRICE FOR THREE (3) UNITS w/ ALLISON
6-SPEED TRANSMISSIONS \$ _____
ADD SALES TAX: \$ _____
TOTAL OUT-OF-POCKET COST TO SKAGIT COUNTY: \$ _____