

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION**

**ADDENDUM NO. 1**

**BID INVITATION NO. 4207  
FURNISHING EIGHT (8) EACH CURRENT MODEL TRUCK CAB AND CHASSIS,  
40,000 LB. GVWR AND FURNISHING AND INSTALLING EIGHT (8) DUMP BODIES,  
FRONT PLOWS, CENTRAL HYDRAULIC SYSTEMS AND LIGHTING SYSTEMS**

**OPENING DATE:  
EXTENDED TO 2:00 P.M. (E.D.T.), SEPTEMBER 25 27, 2013**


**ATTENTION OF BIDDERS IS DIRECTED TO:**

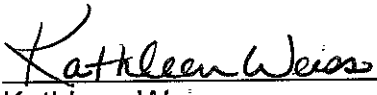
**ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00 A.M., SEPTEMBER 18, 2013**

**MODIFICATIONS TO THE CONTRACT DOCUMENTS  
COVER PAGE AND NOTICE TO BIDDERS**

**MODIFICATIONS TO THE SPECIFICATIONS  
Pages 7e, 7i, 7p and 7ll**

Issued by the Ohio Turnpike and Infrastructure Commission September 18, 2013.  
Authorized by Richard Hodges, Executive Director, and Kathleen Weiss, General Counsel.

  
Richard Hodges  
9/18/13  
Date

  
Kathleen Weiss  
9/18/13  
Date

**ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00 A.M., SEPTEMBER 18, 2013:**

**Q#1 I just want to clarify that you do not require a front frame extension.**

*A#1 A front frame extension is not required under the Specifications for this procurement.*

**Q#2 Does the bid bond/performance bond need to cover the possibility of the extra 8 units or just the base amount?**

*A#2 The penal sum of the Combination Ten Percent (10%) Bid Guaranty and Fifty Percent (50%) Performance Bond does not need to include the pricing for the eight (8) optional units, but rather the Base Bid only. The Performance Bond, however, must apply to the Contractor's performance of all its obligations if awarded the Contract, including any additional purchase options exercised. Similarly, for those Bidders submitting a certified check in lieu of a Combination Bid Guaranty/Performance Bond, the check must only be in the amount of Ten Percent (10%) of the Base Bid.*

**Q#3 Is there a pre-bid meeting for this bid?**

*A#3 There is no pre-bid meeting. There will be a pre-build meeting after an award and execution of a Contract. See 8c of the Special Provisions.*

**Q#4 Would OHTP consider extending the bid opening at least one week (to 10/02/13 @ 2:00PM) to allow the appropriate time to review specifications and costing details? The bid was published on September 9th and was not available electronically. We received the packet late Friday morning September 13th losing five crucial work days to work on the project.**

*A#4 With this Addendum No. 1, the Commission is extending the Bid Opening by two (2) days to 2:00 PM (E.D.T) on September 25 27, 2013*

**Q#5 The specifications on page 7.i. for the Dump Body – Combination Dump and Spreader Body states 304 stainless steel. Would the OHTP consider 201 stainless steel in lieu of 304 stainless steel?**

*A#5 No.*

**Q#6** The heading on page 7.i. Specifications states “Group II – Dump Body, Front and Wing Plows, Central Hydraulic System, Lighting System”. The price page 6.b. states “Group II – Eight (8) Each, Furnish and Install Dump Body, Front Plow, Central Hydraulic System and Lighting System’. There are no wing specifications in the packet. Would the OHTP confirm there are no wings to bid for this project?

*A#6* There are no wing plows included in this procurement. With this Addendum No. 1, the Commission is correcting the heading on page 7i to remove the reference to “wing plows.”

**Q#7** Page 7.p. in the last paragraph for the Pre-wetting System specifications states the dimensions as ‘twenty-five (20) inches deep’. Should this be 25” or 20”?

*A#7* The specifications should describe the depth dimension for the wetting agent tank as “twenty (20) inches deep.” With this Addendum No. 1, the Commission is correcting the dimension on page 7p to specify that a “twenty-five (20) inch” depth is required.

**Q#8** The specifications on page 7.II for the Hooklift Body – Dump ~ the 5th bullet point states “The tailgate shall incorporate a center material chute with a lever/crank-controlled door, opening size approximately twelve (12) inches high x twenty-four (24) inches wide. The door shall be pin adjustable for multiple gate openings.” This is the same specification for the Dump Body – Combination Dump and Spreader Body. Would the state consider the following acceptable: Flush mount in lieu of lever/crank-controlled and measurements of 11” x 18” and 12” x 24”?

*A#8* The dimensions on page 7II are approximate, and the Specification does not preclude a flush mount door. However, as specified, a mechanical lever or crank is required and the gate must be pin adjustable. The Commission is amending the Specifications with this Addendum No. 1 to provide that: “**The opening size shall be not less than eleven (11) inches high and not less than eighteen (18) inches wide.**”

**Q#9** Page 7.kk specification for the Hooklift Body – Salt Spreader 2nd bullet point states “Conveyor chain shall be 667XH pintle type, with 3/8-inch x 1-1/2-inch

**cross bars.”. Would OHTP accept 667K pintle type conveyor chain in lieu of 667XH? This chain is similar in strength and considered a direct replacement.**

*A#9 The pintle chain shall be as specified.*

**Q#10 I just wanted to clarify the hood you requested. “The hood shall be the manufacturer’s standard forward tilt-type, with a fixed radiator grill.” Does this mean, Grill should be fixed to the hood, or, Grill should be fixed to the frame, allowing the hood to tilt without the Grill.**

*A#10 The Specifications require that the radiator and radiator grill are fixed to the frame and do not tilt.*

**Q#11 In your bid #4207, for Plow / Dump trucks, I did not see anything referring to a front frame extension. Typically on our plow truck chassis configurations we include this. Do you not require a front frame extension?**

*A#11 See response to Q#1.*

**Q#12 Would a Firewall Mounted Transmission ECM be acceptable?**

*A#12 Yes, a firewall mounted transmission ECM is acceptable. With this Addendum No. 1, the Commission is modifying page 7e to add the following to the last sentence of the first paragraph of the Transmission Specification: “The Electronic Control Module (“ECM”) shall be located in the cab, **or firewall mounted.**”*

**Q#13 We are a Female Business Enterprise (FBE) is there any preference given to FBE’s or do we need to register with the Turnpike Commission first.**

*A#13 There is no preference given to FBE’s. The Commission strongly encourages FBE and MBE participation, and welcomes all such businesses to register with the Commission. Registration does not have to occur before bids open, however, the Commission needs the information as soon as possible relative to MBE’s and FBE’s that are bidding.*

**Q#14 Manuals, are offered online via secure logon to most service manuals and documentation, will that be sufficient or will you still require hard copy or CD form manuals?**

*A#14 Online manuals and data are acceptable unless CDs or hard copies are specifically required.*

**Q#15 Drug Free Safety Program, You require enrollment or proof of application in a BWC Drug Free Safety Program. We currently have our own, which exceeds that of the BWC. Will a copy of our policy & procedures suffice?**

*A#15 If the Bidder does not submit proof of participation in Ohio's Bureau of Workers Compensation Drug Free Safety Program, the Commission must review the Bidder's drug free workplace program before the Commission can opine as to whether the program policy will suffice.*

**THE FOLLOWING MODIFICATIONS ARE MADE TO THE CONTRACT DOCUMENTS FOR INVITATION NO. 4204:**

Modifications are shown with ***bold italicized*** text and deletions are shown with ~~strikethrough~~ text.

**COVER PAGE and Page 1a – NOTICE TO BIDDERS:** The Bid Opening Date is extended from September ~~25~~, 2013 to 2:00 P.M. (E.D.T.), September **27**, 2013.

**Page 7e - SPECIFICATIONS:** The Transmission specification is modified to specify at the end of the last sentence of the first paragraph that, "*The Electronic Control Module ("ECM") shall be located in the cab, **or firewall mounted.***"

**Page 7i – SPECIFICATIONS:** The title is modified as follows: "GROUP II - DUMP BODY, FRONT-&WING PLOWS, CENTRAL HYDRAULIC SYSTEM, LIGHTING SYSTEM."

**Page 7p - SPECIFICATIONS:** The first sentence in the last paragraph is modified to specify that the depth of the liquid wetting agent tank shall be "twenty-five (20) inches deep..."

**Page 7II - SPECIFICATIONS:** The fifth bullet point is modified to add the specification that, ***“The opening size shall be not less than eleven (11) inches high and not less than eighteen (18) inches wide.”***

The attached replaces the COVER PAGE, 1a, 7e, 7i, 7p and 7II in conjunction with the Contract Documents for Invitation No. 4207. Bidders are advised to use the attached replacement pages in submitted their Bids.

**Receipt of Addendum No. 1, Invitation No. 4207 is hereby acknowledged:**

(Firm Name) \_\_\_\_\_

(Signature) \_\_\_\_\_

(Printed Name) \_\_\_\_\_

(Date) \_\_\_\_\_

**BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT  
OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.**

# OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

682 PROSPECT STREET

BEREA, OHIO 44017

PROCUREMENT SECTION

440-234-2081

BID INVITATION NO. 4207

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## FOR FURNISHING:

EIGHT (8) EACH CURRENT MODEL TRUCK CAB AND CHASSIS, 40,000 LB. GVWR AND FURNISHING AND INSTALLING EIGHT (8) DUMP BODIES, FRONT PLOWS, CENTRAL HYDRAULIC SYSTEMS AND LIGHTING SYSTEMS

## OPENING DATE:

2:00 P.M. (E.D.T.), SEPTEMBER 25 27, 2013

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## SUBMITTED BY:

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

CONTACT NAME: \_\_\_\_\_

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

CITY AND STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

EMAIL: \_\_\_\_\_

## ATTACHMENTS:

- Bonding Requirements (1 Page)

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**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION**

682 PROSPECT STREET

BEREA, OHIO 44017

**NOTICE TO BIDDERS**

**INVITATION NO. 4207**

**Sealed Bids for furnishing to the Ohio Turnpike and Infrastructure Commission, eight (8) each current model truck cab and chassis, 40,000 lb. GVWR and furnishing and installing eight (8) dump bodies, front plows, central hydraulic systems and lighting systems, will be received in the office of the Procurement Manager at the principal office of the Commission, Ohio Turnpike Administration Building, 682 Prospect Street, Berea, Ohio 44017, until 2:00 P.M. (E.D.T.), September 25 27, 2013.**

**At said hour all Bids will be publicly opened and read.**

The General Terms and Conditions, Specifications, Special Provisions, Bid, Affidavit, Contract and Performance Bond are on file and available to any interested person in the aforesaid Procurement Manager's office. These documents will be forwarded, upon request and without charge, to any prospective Bidder.

Each Bid must be on the form prescribed by the Commission and must comply with the terms and conditions set forth in the "Contract Documents."

**Each Bid must be accompanied by a Combination Ten Percent (10%) Bid Guaranty Bond/Performance Bond Form covering Fifty Percent (50%) of the estimated Contract value, or a certified check, cashier's check or letter of credit on a solvent bank, payable to the order of the Ohio Turnpike and Infrastructure Commission, in an amount not less than Ten Percent (10%) of the net total amount Bid, adjusted for a twenty (20) day payment term discount, if offered. These Bid Guaranty requirements are in conformance with the Ohio Revised Code Sections 153.54 and 9.312.**

If a Combination Bid Guaranty/Performance Bond will be submitted by a Bidder, such bond must be on a form approved by the Commission. Approved bond forms are contained herein. The certified check, cashier's check, letter of credit or Bid Guaranty Bond will be held by the Commission as a guaranty that, if any Bid is accepted, the Contract Documents will be executed and the performance of the Bid secured. Each such check, letter of credit or Bid Guaranty Bond, or the proceeds thereof, will be returned or retained as provided in the General Terms and Conditions.



## SPECIFICATIONS

### Frame

The frame shall be strongly braced and constructed of steel that is recommended for the vehicle application and the required GVWR. The frame shall be a single channel with a section modulus of not less sixteen (16) cubic inches, yield strength of not less than 120,000 PSI and a resisting bending moment of not less than 1,920,000 inch-lbs.

**Note:** Due to mounting of the body, hydraulics, lube system, etc., the frame exterior must be clear from the rear of the cab to the rear suspension and axle except as follows:

- Fuel tank / DEF tank / air tanks, etc. may extend behind cab on the driver's side (below the top of the frame) up to four (4) inches.
- Vertical exhaust system on the passenger's side may extend behind the cab up to six (6) inches.
- Air dryer and air tanks that are behind the cab and beyond the above limits shall be mounted inside the frame rails and below the top of the frame rails.

### Engine

The engine shall be diesel powered, with Society of Automotive Engineers' ("SAE") gross rating of not less than 300 HP at approximately 2000 RPM and a gross torque of not less than 860 lb.-ft. at approximately 1300 RPM. The engine shall be a Cummins ISL (or rebranded version) and have the following features:

- The engine shall be compliant and certified to meet the 2010 Federal EPA Emissions Standards without using Federal EPA credits.
- The engine shall meet 2010 Federal Emission Standards using Selective Catalyst Reduction.
- The engine muffler/emissions after-treatment shall be mounted under cab, passenger side. The exhaust shall be properly shielded and shall run up the passenger side of the cab.
- The engine shall have a wet sleeve block design.
- The engine shall be equipped with controls to limit the truck's top speed.
- The engine shall have an air cleaner equipped with snow valve (in-cab control).
- The engine shall have a replaceable element type oil filter.
- The engine's cooling system shall include an on/off drive fan and anti-freeze protection to at least twenty (20) degrees F. below zero (0).
- The engine shall have an hour meter.

### Transmission

Transmission shall be automatic type with at least six (6) speeds forward and one (1) reverse. It shall be torque converter type, full power shifting and fully automatic. It shall be equipped with inhibitors to prevent harmful down shifts, reverse shifts and to prevent engaging transmission at excessive engine speed. Transmission oil shall be synthetic type. The Electronic Control Module ("ECM") shall be located in the cab, *or firewall mounted*.

Shift selector shall be dash-mounted (with no floor pedestal), push-button type. Push-button selector shall have a mode button that when selected, chooses a shift pattern that is ideal for snow plowing with the specific truck.

Transmission shall be an Allison RDS series, model 3000 with PTO provision.

## SPECIFICATIONS

### GROUP II – DUMP BODY, FRONT & WING PLOWS, CENTRAL HYDRAULIC SYSTEM, LIGHTING SYSTEM

#### DUMP BODY -- COMBINATION DUMP AND SPREADER BODY

The body furnished shall be a combination dump and material spreader type, designed to be used both as a standard rear dump body and as a conveyor fed rear discharge body. In material spreader mode, the material is moved to the rear of the truck by a hydraulically operated conveyor that is recessed into the center of the dump body floor. The conveyor shall discharge the material through a control gate to a chute which will direct the material flow to a hydraulically operated spinner (application of salt for snow and ice control), to a hopper body (discharge of asphalt for paving), etc. The body shall be designed to provide a low center of gravity, low side heights and, when installed with other required equipment, have the shortest possible length. The body shall be a flat-floor type.

#### Body Construction

The body floor shall be crossmemberless and constructed of AR400 steel, not less than one-quarter (1/4) inch thickness. All seams shall be by continuous weld. The body tailgate and front sheet shall be constructed of 304 stainless steel, not less than 7-gauge. All body hardware shall be stainless steel. The body sides shall be constructed of 304 stainless steel, not less than 7-gauge.

The inside of the dump body shall be smooth along the sides and bottom, without wheel wells, pockets, or any indentations that may affect the unloading of material. The front center of the body shall incorporate a well to accommodate the lift cylinder. The Body shall be approximately eleven (11) feet long and seven (7) feet wide. Side height shall be approximately twenty-four (24) inches (not including sideboards). Sideboards shall be two (2) inches thick, rough-cut oak plank approximately ten (10) inches high. Each sideboard shall be a single plank.

The rear hinge assembly shall incorporate greaseless bushings or accessible grease fittings.

The tailgate shall be double acting; hinged at the top sides using heavy duty yokes and pins and hinged at the bottom sides of the tailgate using heavy duty pins and latches. The tailgate latch shall incorporate grease fittings and be opened and closed with an air cylinder. The cylinder shall be located in a rear corner post of the truck body and be accessible for maintenance. The cylinder shall be activated from the tailgate safety interlock switch in the cab that energizes an air solenoid switch. The tailgate shall incorporate a center conveyor chute with a lever/crank-controlled door, opening size approximately twelve (12) inches high x twenty-four (24) inches wide. The door shall be pin adjustable for multiple gate openings.

The conveyor shall be recessed into the center of the body floor and run the full length of the body. The conveyor trough shall be an integral part of the body. The conveyor bedplate shall be AR 400, not less than one-quarter (1/4) inch thickness, bolted to body and replaceable. The long sills shall be constructed of 304 or 409 stainless steel. The conveyor recess trough floor shall be 304 stainless steel, not less than 10-gauge. The conveyor chain shall be a 667XH pintle type. The chain shall be heavy duty, with crossbar on every link and welded on both the top and bottom. The crossbars shall be constructed of one and one-quarter (1 1/4) inch

## SPECIFICATIONS

- 12-volt low oil sensor with replaceable switch. When hydraulic oil is excessively low, an indicator in cab shall light and the PTO clutch pack shall disengage.
- Tank drain plug with stick magnet.
- AW-32 hydraulic oil with antifoam and enhanced wear package (full tank).
- Baffles as required.

### Hydraulic Pipe, Hose & Fittings

All hydraulic components (pipe, hoses, fittings, etc.) shall be of sufficient capacity to safely and efficiently operate in the specified hydraulic system under continuous severe operating conditions. All components and installation shall conform to SAE guidelines and good body building and hydraulic industry practice. All hydraulic lines shall be securely anchored (approximately every twenty-four (24) inches) in such a way as to prevent vibration and chafing. Rigid stainless steel pipe shall be the seamless type. The bulkhead solid mounted style quick disconnect shall be provided for the front plow. The front plow hydraulics shall be quick coupled through Stucchi Multicoupling Plate assembly. The spinner quick disconnects, both sets, shall be stainless steel type. Quick disconnects, male and female, shall be provided with attached dust covers. All hoses shall have swivel connectors on both ends. Female 37-degree fittings are preferred. The suction hose shall be not less than two (2) inches ID, SAE-100-R4. The pressure, sense and return lines shall be sized as necessary and shall be SAE-100-R2.

The case drain line shall be not less than three-quarter ( $\frac{3}{4}$ ) inch inside diameter ("ID"). The suction hose shall be attached using a T-bolt type clamp. A test port (one-quarter ( $\frac{1}{4}$ ) inch JIC 37°) shall be included on the pressure side of the pump.

### Pre-wetting System

This liquid application system shall spray apply liquid wetting agent (such as calcium chloride or magnesium chloride) to the salt as it falls to the spinner. The system shall be closed loop and ground speed oriented.

The wetting system shall include a liquid storage tank, hoses, fittings, manual shut-off valve, bronze liquid pump, flow meter, check valve, variable orifice nozzle (Spratronics) and stainless steel clamps. Major system components (pump, meter) shall be housed in a weatherproof enclosure with an access door.

The enclosure and door shall be fiberglass or stainless steel and the hardware (hinges, latches, mounting brackets, etc.) shall be stainless steel.

The system shall be capable of applying up to six (6) gallons per minute of liquid. The pump's output range shall be controlled by a proportional valve section. The liquid application (% liquid to salt by weight) within the range shall be adjustable, controlled and displayed through the spreader control.

The liquid wetting agent tank shall be approximately forty-six (46) inches long, twenty-four (24) inches high, twenty-five (20) inches deep and have a useable capacity of approximately 95 gallons. It shall be constructed of 304 stainless steel or heavy gauge plastic. The liquid tank shall be bolt-mounted on the driver side of the truck, and shall be removable. The tank shall be vented and allow filling through a top cap and through a two (2) inch male Banjo plastic

## SPECIFICATIONS

- The body shall be designed to provide a low center of gravity, with the skid framing built into the structure of the body. The body shall be a flat-floor type.
- The body floor shall be crossmemberless and constructed of AR400 steel, not less than one-quarter (¼) inch thickness. All seams shall be by continuous weld. The body tailgate, front sheet and sides shall be constructed of 304 stainless steel, not less than 7-gauge. All body hardware shall be stainless steel.
- The Body shall be approximately eleven (11) feet long and seven (7) feet wide. Side height shall be approximately twenty-four (24) inches (not including sideboards). Sideboards shall be two (2) inches thick, rough-cut oak plank approximately ten (10) inches high. Each sideboard shall be a single plank.
- The tailgate shall be double acting; hinged at the top sides using heavy duty yokes and pins and hinged at the bottom sides of the tailgate using heavy duty pins and latches. The tailgate latch shall incorporate grease fittings and be opened and closed from a hand lever at the front driver side of the truck.
- The tailgate shall incorporate a center material chute with a lever/crank-controlled door, opening size approximately twelve (12) inches high x twenty-four (24) inches wide. ***The opening size shall be not less than eleven (11) inches high and not less than eighteen (18) inches wide.*** The door shall be pin adjustable for multiple gate openings.
- Two (2) rear amber warning lights, synchronized with the cab and chassis warning lights.
- Cable tarp system for use with salt or asphalt loads. Tarp shall be Aero Crank-N'-Go II with manual crank assembly and double idler assembly. Tarp system shall be installed per the manufacturer's instructions, be well supported and have smooth operation.

OR

- A tension arm tarp system for use with salt and asphalt loads. The tarp shall be Roll Rite or Mountain Tarp, with a tarp bow kit and electric motor operator. The tarp system shall be installed on the truck cab and chassis per the manufacturer's instructions, shall be well supported and shall have smooth operation over the hooklift bodies.

## PAINTING OF TRUCK EQUIPMENT

All exterior metal parts, except for stainless steel, bright metal and manufacturer's nameplates, shall be painted as follows:

- The metal shall be thoroughly cleaned and free from rust and scale.
- One (1) coat of rust-inhibiting metal primer, of a penetrating type (such as DuPont Tufcote) shall be applied.
- One (1) undercoat and one (1) finish coat of flat black acrylic urethane (such as DuPont Centari 5000) shall be applied to the hooklift framing, underside of dump body, frame mounted equipment, reinforcements, front plow hitch, etc.

The oak sideboards shall be painted entirely black.

**Note:** The Contractor may provide its standard paint system. Paint shall be applied according to the paint manufacturer's requirements. (See paint warranty on page 7b.)