



VILLAGE OF NEW ALBANY, OHIO

TO: PROSPECTIVE BIDDERS

DATE: July 8, 2010

AMENDMENT #1

ONE (1) NEW 2 ½ TON TANDEM DUMP TRUCK WITH SNOW PACKAGE INVITATION TO BID:

The attention of the Bidder is directed to the following information, requirements, etc. and such shall hereby become part of the Contract Documents for the subject project and shall be accordingly taken into account in preparing the proposal bid therefore.

Responses to Questions asked at the Pre-bid meeting held 7-8-10 at 9:00am

1. Did not see any specifications for dump body top screens. Are top screens wanted?
(Answer) Yes. This specification was mistakenly left out. Please include them in the dump body pricing.
2. Regarding items #78 to #82, what if a truck manufacturer cannot provide the specified Packard connections?
(Answer) Then do not check the comply box for those bid items, however do include a description of your alternative connectors.
3. In regards to Item #140 please include an additional specification that the auger motor shall be a minimum of 32 cubic inches in size.
4. No specifications were provided regarding the strength of the custom plow hitch. What should be bid?
(Answer) Provide a bid on a municipal plow hitch that is customarily installed on a truck and plow of this specified size. Include literature that fully describes what you have bid so that it can be properly compared to other bids.



VILLAGE OF NEW ALBANY, OHIO

TO: PROSPECTIVE BIDDERS

DATE: MAY 13, 2010

AMENDMENT #1

ONE (1) NEW 2 ½ TON TANDEM DUMP TRUCK WITH SNOW PACKAGE INVITATION TO BID:

The attention of the Bidder is directed to the following information, requirements, etc. and such shall hereby become part of the Contract Documents for the subject project and shall be accordingly taken into account in preparing the proposal bid therefore.

Responses to Questions asked at the Pre-bid meeting held 5-13-10 at 9:00am

1. There is no provision in the bid specifications detailing a rear hitch, is one wanted?
(Answer) No. Therefore, remove bid item #80 from the bid specifications.
2. Where do you want the hydraulic pump mounted; in front or on the transmission?
(Answer) On the transmission, as detailed in bid item #276.
3. What if a truck manufacturer cannot outlet the exhaust system below the truck?
(Answer) Then do not check the comply box for bid item #6, but provide a description of your alternative location.
4. Can the tank size be smaller than 70 gallon total capacity?
(Answer) If you cannot provide a tank size in compliance to bid item #62 then do not check the comply box, however provide a description of your alternative tank size.

INVITATION TO BID

Sealed bids or proposals, excluding pricing, for **One (1) NEW 2-½ Ton Tandem Dump Truck with Snow Package** will be received by the Village of New Albany, Franklin County, Ohio, Village Hall, 99 W. Main Street, New Albany, Ohio until 11:00 A.M., local time on:

May 19, 2010

and at that time and place will be publicly opened and read aloud. All bid prices shall be received exclusively using an online bid process. Bids will be considered valid until 30 days after the online bid date of May 27, 2010, although not accepted or rejected.

The equipment for which this proposal is requested consists of specifications to describe a 2010 model year two and one-half ton tandem axle cab and chassis truck with dump body, hitch, snow plow, system hydraulics, salt spreader and liquid dispensing system.

The **One (1) NEW 2-½ Ton Tandem Dump Truck with Snow Package** estimated cost is **\$150,000.00.**

A Pre-Bid meeting will be held Thursday, May 13, 2010, 9:00am, at the New Albany Public Service Facility, 7800 Bevelhymer Road, New Albany, Ohio to discuss any questions that the bidding contractors may have.

Copies of the Bid Specifications and Procedures can be found via online at http://www.bidbridge.com/splr_bidpackage.aspx?ev=VillageofNewAlbanyOH/DumpTruck_2245 on the Village website at www.villageofnewalbany.org, or at the New Albany Public Service Department, 7800 Bevelhymer Road, New Albany, Ohio, where they are available for inspection by prospective bidders. All proposals shall be made on standard bidding forms furnished by Bid-Bridge, the Village contract service provider.

Village of New Albany, Franklin County, Ohio, reserves the right to (i) reject any, any part of, or all bids or proposals to fulfill the Village's requirements, (ii) waive informalities and technicalities, (iii) negotiate directly with any party submitting a bid or proposal, or (iv) accept that bid or proposal which the Village deems to be in its best interest, whether or not it is the lowest dollar proposal. The Bidder to whom the award is made will be notified at the earliest possible date.

Joseph Stefanov
Village Administrator
New Albany, Ohio

PUBLISH: April 27, 2010
 May 5, 2010

April 27, 2010

You are invited to participate in an Electronic Sealed Bidding Event for One (1) New 2 ½ Ton Tandem Axle Dump Truck with Snow Plow for The Village of New Albany. The Village of New Albany has partnered with BidBridge to host this bidding event on its Web-Based Bidding Event Platform.

We request that you review the accompanying documentation for information pertaining to the specifications, the response requirements, milestones and deadlines, as well as information on BidBridge and the Electronic Bidding Process.

We thank you for your participation.

Sincerely,

Mark Nemec

Director of Public Service
The Village of New Albany, Ohio

**VILLAGE OF NEW ALBANY
DEPARTMENT OF PUBLIC SERVICE**

**One (1) Specifications for
One (1) New 2-1/2 Ton Tandem Dump Truck with Snow Package
April 27, 2010**

It is the intent of these specifications to describe a 2010 two and one-half ton tandem dump truck with plow and spreader and shall not intentionally exclude any bidder from receiving full consideration due to minor errors or differences.

BASE BID SHALL INCLUDE THE FOLLOWING:

TYPE: Diesel powered conventional type truck chassis suitable for use with a 9.0 to 13.7 cubic yard stainless steel dump body, under tailgate salt spreader with liquid dispensing capabilities and a hydraulically operated 11 foot snow plow.

INSTRUCTIONS: NOTE ANY VARIATION IN SPECIFICATIONS OF EQUIPMENT YOU ARE QUOTING. PLEASE MARK AN "X" IN THE RIGHT HAND COLUMN TO SIGNIFY THERE ARE NO DEVIATIONS FROM SPECIFICATIONS.

| ITEM NO. | MINIMUM SPECIFICATIONS | COMPLY |
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| A. CAB AND CHASSIS | | |
| ENGINE | | |
| 1. | Electronic diesel in line 6 cylinders | |
| 2. | Minimum 224KW (300 gross horsepower) | |
| 3. | Minimum 1424 N m (1000 ft. lb. gross torque) | |
| 4. | Minimum engine displacement 6.6L (400 cu. in.) | |
| 5. | Fuel filter/water separator with heater Racor model 325R, Racor model 21000 or (approved equal) | |
| 6. | No sections of the exhaust system may extend below the bottom of the frame rail. Muffler and exhaust outlet must be mounted underneath the cab. | |
| 7. | Filter minder air cleaner (flow restriction gauge) dash mounted, graduated scale | |
| 8. | Air intake system to include inside/outside air cleaner valve. | |
| 9. | Electronic throttle, governor, idle shut down (30 minutes) and cruise control | |
| 10. | Engine crankshaft adapter must be machined with proper size pilot diameter and drilled and tapped to accept Spicer flange yoke #2-2-479 | |
| 11. | Clearance provisions underneath or through radiator and/or cross members for front mounted hydraulic pump drive shaft. | |

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| 12. | Oil pans must be either aluminum or made of a non-corrosive material. | |
| 13. | Engine must contain an engine block heater with a 120-volt rated outlet located under the driver's door. Heater will be rated at 1250 watts. | |
| TRANSMISSION | | |
| 14. | Six speed automatic transmission Allison model 3000RDSP or approved equal with lever type gear selector. | |
| FRONT AXLE & SPRINGS | | |
| 15. | Front shock absorbers | |
| 16. | 9091 kg (20,000 lb.) GAWR | |
| 17. | 9091 kg (20,000 lb.) I-beam type front axle with Stemco or Chicago Rawhide oil seals (or approved equal) | |
| 18. | 9091 kg (20,000 lb.) front springs | |
| REAR AXLE & SPRINGS | | |
| 19. | Rear axle ratio shall provide a top governed speed between 96-104 km/h (60-65 mph) and minimum startability of 25% | |
| 20. | A performance chart must be provided to show gradability, road speed, wheel horse power and R.P.M. in each gear | |
| 21. | 18144 kg (40,000 lb.) GAWR | |
| 22. | Single speed 18,144 kg (40,000 lbs.) tandem axle. | |
| 23. | Rear springs of capacity 18,144 kg (40,000 lbs.) | |
| 24. | Rear suspension, walking beam and spring type with 1,320 mm (52") axle spacing, Hendrickson RT-403 or approved equal. | |
| 25. | Power divider and interaxle differential lockout. | |
| STEERING GEAR | | |
| 26. | Dual steering gear full hydraulic power with smallest diameter steering wheel available from manufacturer. | |
| FRAME | | |
| 27. | Full depth straight single rails. | |
| 28. | 8436 kg/cm ² (120,000 psi) yield strength | |
| 29. | Frame strength and section modulus to provide minimum reinforced resisting bending moment of, 29,866 kg m (2,590,000 in. lbs.) | |
| 30. | Frame section modulus to be between 344.1 cm ³ (21.00 in ³) and 376.9 cm ³ (23.00 in ³) | |
| 31. | Cab to Trunion, 3200 mm (126 inches) | |
| 32. | A 610 mm (24 inches) integral front frame extension will be supplied if the plow hitch manufacturer determines that it is necessary for proper installation of the plow hitch. | |
| 33. | After Frame distance will be 1905 mm (75 inches). This distance will be from the center of the farthest rear axle to the end of the frame. | |
| CONVENTIONAL CAB & CHASSIS | | |
| 34. | Conventional cab with tinted safety glass throughout the entire cab. | |
| 35. | Hood and fenders, tilting type. Rubber mud flaps or front fender extensions are required for the front fenders only. | |
| 36. | Center mounted stationary grille to be of sufficient size to clear plow frame. Grill opening must be 559 mm (22 inch) from the top of the frame to the top of the grille opening. When the hood is tilted, the grille opening must be of sufficient width to allow for a 25 mm (1 inch) clearance between the outside wall of the frame and the side of the hood. | |

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| 37. | When the plow hitch is in the assembly position, the hood must be capable of tilting forward 50 degrees from its stationary position. Hood must need a minimum force of 23 kg (50 lb.) applied at the top of the grille opening, dead center, to reset the hood. | |
| 38. | No front bumper. Not needed due to custom snow plow hitch with integral bumper | |
| 39. | Key type ignition with accessories switch | |
| 40. | Cigar lighter | |
| 41. | Rear license plate brackets | |
| 42. | Dual sun visors | |
| 43. | Bostrom seat, model Air - 914 E or model Talladega 910, 914, 915 or National Cush-N-Aire, high back with folding right side arm rest and lumbar adjustment. Passenger seat non suspension high back, 900 series, or approved equal. | |
| 44. | Armrest, both doors | |
| 45. | Factory installed AM/FM radio | |
| 46. | Tachometer | |
| 47. | Hourmeter | |
| 48. | Ammeter or voltmeter | |
| 49. | Transmission Temperature Gauge | |
| 50. | Engine coolant temperature gauge with high-temp./low coolant level protection system. | |
| 51. | Engine oil pressure gauge with low-pressure warning buzzer | |
| 52. | Two speed electric wipers with intermittent feature and windshield washer with minimum tank capacity of 3.785 liters (one gallon). Wiper blades to be winter/snow type. | |
| 53. | Factory installed Air Conditioning with Compressor Protection System. | |
| 54. | Air horn. Located under the cab or hood. | |
| 55. | Cab Sound Insulation sufficient to reduce noise inside the cab to a maximum 75 decibels at any time. | |
| 56. | Temperature controlled fresh air heater and defrosters, both left and right. | |
| 57. | Grab handles both left and right side of cab. | |
| 58. | Lang-Mekra "West Coast" style mirror, Beach Manufacturing "BMC 7000 or BMCL-LT-7500" series or approved equal with integrated main mirror and convex mirror. Main mirror will be approximately 178mm x 406mm (7" x 16"). The main mirror will have a minimum 100 sq. in. surface area. The convex mirror may be either square or round. It must have a minimum surface area of 44 sq. in.. The convex mirror will mount below the main mirror. Both the left and right main mirrors and the convex mirrors will be heated controlled by one switch located in the cab dash. The left and right main mirrors will be independently power adjusted by controls located on the driver's door. These controls will allow for adjustments in the horizontal and vertical axis of the mirror. Mirror assemblies must be retractable and breakaway style. | |
| 59. | Independent power left and right windows, adjusted by controls accessible by the driver. | |
| 60. | Power door locks, adjusted by controls accessible by the driver. | |
| 61. | Adjustable tilt steering wheel. | |

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| 62. | <p>Single tank with a 70 gallon minimum capacity not to extend past the rear of the cab by more than 51 mm (2").</p> <p>-or-</p> <p>Dual saddle tanks with a 45 gallon minimum capacity for each tank not to extend past the rear of the cab by more than 51 mm (2").</p> <p>-or-</p> <p>Single tank with 70 gallon minimum capacity not to extend past the rear of the cab by more than 610 mm (24") and to have a 610 mm (24") ground clearance from the front of the rear tires to the back of the cab.</p> | |
| 63. | Fuel tank(s) will be aluminum tanks properly mounted to eliminate electrolysis between the tank and any steel components. | |
| 64. | Two (2) steps shall be on both sides of the truck. The lower step shall be approximately 406 mm (16") from the ground. It shall be at least 305 mm (12") long, 127 mm (5") wide and 38 mm (1-1/2") thickness. The top step shall be in the mid distance between ground and the cab floor level. It shall be approximately 610 mm (24") long, 127 mm (5") wide and 13 mm (1-1/2") thickness. The steps must be made of the same grip strut grating, diamond plate design, or approved equal. | |
| 65. | All trucks must have an accelerator pedal and brake pedal suspended from the firewall. If the chassis has a manual transmission, a clutch pedal must be suspended from the firewall. Floor mounted or cable operated pedals are not acceptable. | |
| 66. | Turn signals must be self-canceling with brake override. | |
| 67. | Cab must have an air-ride suspension. | |
| 68. | A 12-volt power/ground pick-up connection must be located in the dash capable of powering a CB-radio. | |
| 69. | Rubber fender extension – Front Axle | |
| ABS AIR BRAKE SYSTEM | | |
| 70. | Air compressor 368 cu. dm (13 CFM) | |
| 71. | Low pressure warning buzzer | |
| 72. | Bendix air dryer model AD-9 with heater, or approved equal | |
| 73. | Drain valve, automatic, Bendix DV-2 with heater, or approved equal | |
| 74. | Spring actuated parking brakes | |
| 75. | Front and rear automatic slack adjusters | |
| 76. | Front brakes: 419.1 mm (16.5 inch) by 152.4 mm (6 inch) with 610 mm (24 inch) brake chambers. | |
| 77. | Rear brakes: 419.1 mm (16.5 inch) by 177.8 mm (7 inch) with 762 mm (30 inch) brake chambers. | |
| 78. | A traction control system must be included to help eliminate wheel spin through the use of the ABS braking system. | |
| 79. | The rear wheel's air brake chambers must not be exposed behind the rear tires, so they will not interfere when backing up into a paving machine. | |
| 80. | Trailer Air Brake Glad Hand Package to include: Hand control valve, tractor protection valve with sufficient hose to extend 4ft past the end of the frame, glad hand trailer air brake connectors with dust covers. Air lines will come install and operational with excess hose coiled and tied at the rear of the frame. | |

| ELECTRICAL | | |
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| 81. | Batteries, 12 volt maintenance free, 1,800 CCA | |
| 82. | Leece-Neville 160 amp alternator with regulator or approved equal. Must be capable of maintaining a minimum 100 amp output at truck engine idle. | |
| 83. | Circuit breakers may be used in lieu of fuses, mechanical reset. | |
| 84. | Heavy duty transistorized flasher, capable of a 25 amp capacity. | |
| 85. | <p>Chassis will have the following plug assembly located 12" behind the cab located on the inside of the passenger side frame rail:</p> <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <p>Connector: Packard 12110751 TPA: Packard 12110754 CPA: Packard 12052834</p> <p>The male connector will be shipped attached to the female connector. It will be compatible and interchangeable with the following part numbers:</p> <p>Connector: Packard 12110753 TPA Lock: Packard 12110754 Cavity Plug: Packard 12010300</p> | |
| 86. | <p>Plow Lights: A plow light switch will be located in the cab dash, easily accessible by the driver. This will allow for the headlights to be turned off and the plow lights turned on.</p> <p>The following plug assembly will be located at the front of the engine compartment near the driver's side headlight:</p> <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <p>Connector: Packard 12110751 TPA: Packard 12110754 CPA: Packard 12052834</p> <p>The male connector will be shipped attached to the female connector. It will be the following part:</p> <p>Connector: Packard 12110753 TPA Lock: Packard 12110754 Cavity Plug: Packard 12010300</p> | |

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| 87. | <p>6 latched switches will be located in the cab dash, easily accessible by the driver. Each switch will have a 20 amp capacity and will be fused for 20 amp. Each switch will be lighted in the power on setting. Each switch must be backlit in such a way that the function label of the switch is visible during daytime operation and illuminated when the chassis's parking lights are engaged.</p> <p>The switches will be labeled as follows from left to right:</p> <ol style="list-style-type: none"> 1. FRONT STROBE 2. REAR STROBE 3. SPREADER LIGHT 4. PUMP 5. PLW BAL. 6. Three (3) Black cover up stickers. | |
| 88. | <p>The system must be capable of connecting into the following plug assembly. One of the two options listed below must be used.</p> <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <ol style="list-style-type: none"> a. This plug assembly will be located outside the cab, beneath the driver's door. <p>Connector: Packard 15317308 Plug: Packard 12059168 Lock: Packard 15317301</p> <p>Shipped attached to this plug, will be its mate and sufficient pins and seals to wire into this system.</p> <p>-or</p> <ol style="list-style-type: none"> b. This plug will be located in the cab, hanging below the dash, right of center. <p>Connector: Packard 12110751 TPA: Packard 12110754 CPA: Packard 12052834</p> <p>The male connector will be shipped attached to the female connector. It will be the following part:</p> <p>Connector: Packard 12110753 TPA Lock: Packard 12110754 Cavity Plug: Packard 12010300</p> | |

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| 89. | <p>A speedometer pick up wire will be labeled "SPEED" and located in the cab, hanging below the dash, right of center. This wire must supply a known pulse/mile constant. A Packard Female Connector will be placed at the end of this wire. It will be the following part:</p> <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <p>Connector: Packard 12065172 TPA Lock: Packard 12065249 Terminal: Packard 12077411 Cable Seal: Packard 12015323</p> <p>The male connector will be shipped attached to the female connector.</p> <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <p>Connector: Packard 12065171 TPA Lock: Packard 12065249 Cavity Plug: Packard 12010300</p> | |
| 90. | <p>A trailer wiring package will be supplied. This will be properly wired into the chassis cab to meet SAE Standard ABS wiring and color coding. Wire shall extend 1219 mm (4ft) past the end of the frame.</p> | |
| 91. | <p>7 pin die cast trailer plug w/split pins & waterproof boot (Philips #15-720 & #15-740 or approved equal). Shipped loose. Poly Plugs are not acceptable.</p> | |
| 92. | <p>Located in the cab, hanging below the dash, right of center, a Packard Metri-Pack plug will be located with wires capable of operating a Tekonsha 9035 electric brake controller. Four 12 gauge wires will be supplied. They will be of sufficient length to allow the plug to extend 4ft out from the dash. The wires will be encased in a loom and coiled under the dash in such a way that it may be easily uncoiled during the installation of the brake controller. The wires will be as follows:</p> <ol style="list-style-type: none"> 1. Black wire will be 12 volt power. 2. White wire will be a ground. 3. Red wire will be connected to the "cold" side of the brake switch. 4. Blue wire will run from the plug to the rear of the chassis. It will follow the trailer plug wire and extend 4ft past the rear of the truck. This wire will be coiled and tied to the trailer wire. No connector is required at the rear. <p>The plug assembly must be compatible and interchangeable with the following part numbers:</p> <p>The following Packard Female Connector or approved equal will be placed in the cab at the end of these wires:</p> | |

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| | <p>Connector: Packard 12129565 TPA Lock: Packard 15300016 Terminal: Packard 12077413 Cable Seal: Packard 12015193</p> <p>The following male connector will be shipped attached to the female connector:</p> <p>Connector: Packard 12129600 TPA Lock: Packard 12092733 Cavity Plug: Packard 12010300</p> | |
| 93. | Two (2) rear stop turn tail lights to be Truck-Lite model 40015R with mounting grommets and pigtails. | |
| 94. | Two (2) backup lights, to be Truck-Lite, model 4004 with mounting grommets and pigtails. | |
| 95. | All clearance lights must be turned on when the parking light switch is engaged. | |
| 96. | <p>All vehicles shall be equipped with noise suppression equipment, for two way radio operation, to suppress vehicle electrical and electronic generated radio frequency interference problems. Broad band vehicular generated noise shall not exceed ½ microvolt, as measured by the 12 BD SINAD method, at the two way radio receive antenna.</p> <p>It is the responsibility of the vendor to insure that operation of properly installed two way mobile 100 watt low band radio transmitters will not adversely effect the operation of the vehicle in any manner.</p> | |
| WHEELS AND TIRES | | |
| 97. | Front wheels shall be non-polished aluminum, ISO hub piloted, 10 hole, 229 mm (9.00") D.C. width rim. Each rim must have a minimum rating of 4545 kg (10,000 lb). | |
| 98. | Front tires shall be conventional highway tread Goodyear unisteeel G-286-HSS, Michelin XZY-2 or approved equal. Each tire will be radial size 315/80R 22.5, load range "L" 20 ply with a minimum rating at 4545 kg (10,000 lb). | |
| 99. | Rear wheels will be non-polished aluminum, ISO hub piloted, 10 hole, 210 mm (8.25") D.C. width rim. Each rim must have a minimum rating of 3136 kg (6900 lbs). | |
| 100. | Dual rear tires shall be Goodyear unisteeel G-124, Michelin XDEM/S or approved equal. Tires will be radial size 11R22.5, load range "H". | |
| PAINT | | |
| 101. | All metal surfaces will be cleaned, prepared and primed to the latest industry standards. | |
| 102. | Running gears, wheel hubs and chassis shall be painted with black enamel paint. | |
| 103. | Aluminum fuel tanks, unpainted | |
| 104. | The cab, hood and fenders will be painted with factory standard white with base clear coat or Imron 5000 paint process. | |

| SERVICE | | |
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| 105. | The vehicle must be completely serviced prior to delivery at an authorized dealer's facility. Vehicles will not be accepted unless a pre-delivery inspection has been completed and signed. All wheels shall be on the ground, rear axle shafts properly installed | |
| WARRANTY: (All Warranties Are Without Proration or Deductibles) | | |
| 106. | Entire truck 84 months/100,000 miles/Unlimited Engine Hours excluding automatic transmission | |
| 107. | 24 months/unlimited miles automatic transmission warranty | |
| 108. | The warranty period shall begin from the date New Albany places the dump truck into service. Bidder is responsible for handling warranty updates. | |
| 109. | Bidder must supply all warranty statements with bid. | |
| 110. | If manufacturer standard warranty exceeds the above warranties it shall be provided | |
| MANUALS | | |
| 111. | Operator's manuals, one (1) per unit. (Manuals other than in printed hard copy form must be approved by New Albany.) | |
| 112. | Line setting tickets, two (2) per unit | |
| 113. | Parts manual one (1) per unit. (Manuals other than in printed hard copy form must be approved by New Albany.) | |
| 114. | Service manuals, one (1) per unit. (Manuals other than in printed hard copy form must be approved by New Albany.) | |
| B. DUMP BODY, HOIST AND LIQUID DISPENSING SYSTEM | | |
| 115. | Dump body will be a Monroe model RDS-168-96-56 Radius Dump Spreader. or approved equal. | |
| 116. | Body will be versatile with the ability to be used as a dump body or as a spreader to allow material to discharge through the tailgate by way of an integral center conveyor assembly, into a rear reversible cross auger and onto a spinner assembly. | |
| 117. | The body will be 14 feet in length, top inside width will be 86 to 87 inches, and with the total outside width being 95 to 96 inches. | |
| 118. | The side height of the body will be 43 to 44 inches, with the tailgate height 49 to 50 inches. | |
| 119. | The body capacity will be not less than 10.4 cubic yards, water level full without side boards. | |
| 120. | The unit shall be continuously welded 100% throughout. | |
| 121. | The sides, front and tailgate shall be manufactured of 3/16" 304 stainless steel. | |
| 122. | The longills will be fabricated from 1/4" 304 stainless steel, 13" to 14" deep. | |
| 123. | The longills will be joined as follows: <ul style="list-style-type: none"> • Sections of 4" x 5.4# channel are welded every two feet the length of the spreader at the base of the longills, where the longills are then boxed in with 1/4" 304 stainless steel. • Then there will be 3/16" x 3" x 3" structural angle welded every 12" the full length of the conveyor at the top of the longills. | |

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| 124. | The unit will have a ¼" 304 stainless steel replaceable floor with 3/16" removable chain guards. | |
| 125. | The sides will be brake formed from a minimum 3/16" stainless steel to a radius of 42 to 43 inches. Full flat, partially flat, or sloped floors are unacceptable. The boxed top rail will be a minimum of 3/16" formed stainless channel. | |
| 126. | The front will be sloped to accommodate a headlift cylinder with partial doghouse and conform with the radius of the body and shall be 100% welded on the inside and outside. | |
| 127. | The rear of the body will be supported by two pieces of 3/16" 304 stainless steel plate contoured to the radius of the body and welded 100% on both sides. Additional reinforcement will be provided by a 3/16" formed box section, placed at the rear of the spreader body and tied to two rear posts formed from 3/16" 304 stainless steel. Together, they will provide support at the rear of the body. | |
| 128. | The side supports will have 3/16" x 4" x 4" tube extending thru long members with a 3/16" boxed section welded 100% from top rail of the body to cross tube. | |
| 129. | The tailgate will be a minimum of 6" higher than the sides of the body. | |
| 130. | The tailgate will be manufactured from 3/16" 304 stainless steel with a boxed perimeter of 10 gauge formed channels. | |
| 131. | The tailgate will be double acting with a squared perimeter, having two horizontal braces of 10 gauge material full width of the tailgate. | |
| 132. | The material door will extend a minimum of 16" into the interior of the body to prevent material from escaping through the partially opened door over the conveyor. | |
| 133. | The door opening will be a minimum of 21" in width by 8-1/2" in height and shall be manufactured of 3/16" material. | |
| 134. | The tailgate will have 1" x 4" bar stock tailgate hardware with 1-1/4" hardened pins. | |
| 135. | The tailgate latches will be 1" flame cut, with each latch being adjustable with threaded ¾" clevis and keeper pins. The latch shall be an over center type. | |
| 136. | The tailgate will be air release with a front mounted cylinder, in cab control. | |
| 137. | The body conveyor will be a minimum of 34" in width and have 28,000 pound tensile strength per strand pintle chain, with 1-1/2" x ½" bar flights on 2 1/4" centers. Chain should be AL667XH. | |
| 138. | The conveyor cannot extend past the tailgate of the body. | |
| 139. | Conveyor will be driven by two 6:1 spur gearboxes and high torque/low speed hydraulic motors. | |
| 140. | There will be 8 tooth case hardened sprockets keyed to the 2" drive and idler shafts minimum. | |
| 141. | Conveyor drive shaft will have heavy duty, dust sealed self-aligning four bolt flange bearings. | |
| 142. | There will be a heavy-duty idler assembly that will provide adjustment for proper conveyor chain tension by use of slide rail style adjusters. Adjusters must be easily accessible, have minimum 9" of adjustment, and have minimum 1 ¼" adjusting bolts. | |

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| 143. | There will be a sub-floor kit of 3/8" minimum thick poly sheet mounted between the body longills and the bottom of the main conveyor. | |
| 144. | Provide a removable 1/4" thick steel conveyor cover with the body. | |
| 145. | The hoist will be of a telescopic design and must be trunion mounted. | |
| 146. | The trunion collar will be oscillating. | |
| 147. | The hoist will be double acting in all stages. | |
| 148. | The hoist will have a nitrided cylinder. | |
| 149. | The hoist will be designed to operate up to 2,500 PSI, and will be self-bleeding. | |
| 150. | The hoist must have a 2 year minimum warranty. | |
| 151. | The body hinge will have 2" stainless steel pins that are removable and shall incorporate greaseable composite bushings. | |
| 152. | Body will have a minimum of 1/2" stainless steel cabshield installed to front of body, 100% welded. | |
| 153. | Body will have one pair of tandem length flat body mounted fenders of 7 gauge stainless, 100% welded to the body longills. Fenders will provide mounting area for liquid tanks. | |
| 154. | Fenders will have stainless steel mud guards ahead of each rear wheel and rubber flaps behind each rear wheel. (manufacturer installed) | |
| 155. | There will be one fold down stainless steel ladder installed on the body side. Side rails will be formed channel and rungs shall be grip strut stainless steel. (manufacturer installed) | |
| 156. | All grease points on the body, except rear hinge and upper tailgate pins, will terminate at centralized manifold locations on the body. Grease manifold includes all hoist, tailgate, and bearing grease points. | |
| 157. | Body will be provided with a 5 gallon minimum chain oiler tank mounted to the front bulkhead of the body. Tubes from the tank to the conveyor chain will be provided. System shall be gravity feed with manual petcock valve. | |
| 158. | The body will be provided with top screens. The top screens will be constructed at a minimum of 3/8" rods welded to form a 2.5" square mesh which is formed by a combination of 1/4" x 1-1/2" flat steel and 2" angle iron with the edge supports reinforced by 1/4" x 1" flat steel bars. Each section will be secured to the center beam with two (2) non-freeze 5/8" rod hinges. There must be not less than four (4) screen assemblies. | |
| 159. | A hydraulic driven liquid prewet system shall be provided. System supplied will be complete with pump, pump control, nozzles, hoses, tank fittings, wiring and mounting hardware as required. A hydraulically driven positive displacement bronze gear pump will dispense the liquid. The bronze gear pump will have a rated flow of not less than 7 GPM direct coupled to a hydraulic motor. It will have a stainless steel shaft, with bronze bearings and grease fittings. The pump will be mounted near the spreader and liquid reservoir, in a NEMA fiberglass enclosure. The enclosure shall be mounted in a location that will not hinder normal spreader maintenance or operation. This enclosure will protect the pump and motor assembly. | |
| 160. | Electrical connections and wiring shall be hard wired within enclosure. Accessory pigtails from harnesses will incorporate element resistant weather pak connectors. The above mentioned greatly reducing installation and maintenance time while increasing product life and dependability. | |

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| 161. | Hydraulic connections and stainless steel tubing will be made via bulkhead style JIC connectors. | |
| 162. | Liquid connections will be made via threaded couplings integral with the enclosure. The system will have a minimum of two fender mounted 120 gallon capacity tanks with internal baffles. | |
| 163. | The (3) brass spray nozzles will be located in the spinner disc area. A 5-PSI check valve will be installed as close to the nozzles as possible to prevent siphoning of the liquid chemical. Nozzle kit will include a cam lock coupler to allow nozzles to be easily removed with the spinner. | |
| 164. | The body will include two fender mounted 120 gallon capacity liquid tanks with internal baffles. Tanks will have a minimum of two 3" fill caps. They shall be constructed of a rotationally molded and UV stabilized polypropylene material. (natural color) and have a minimum .350" wall thickness. The tank will have (4) 1-1/4" molded ports. The ports will be located as close to the bottom as possible. The reservoir will include a vent. Tank shall be complete with necessary mounting hardware including tank pans of corrosion resistant stainless steel. Plumbing components will be constructed of heavy-duty glass reinforced polypropylene. A two inch bulk fill with cam lock fittings and a two inch shut off valve shall be located in a convenient location for bulk filling the reservoirs. A tank crossover kit consisting of 1-1/2" hose shall link the tanks. A three way valve and suction hose will be act as an on board flush system. | |
| 165. | The body will have a three hole light cut out in each rear post and include the following light kit: <ul style="list-style-type: none"> - Two oval LED red stop, turn and tail lights with protective rubber grommets and wire harness' - Two oval clear back-up lights with protective rubber grommets and wire harness' - Four 2" round LED red markers with rubber grommets and wire harness' - One LED light bar with three 2" round red markers - Two oval LED amber strobe lights with protective rubber grommets and wire harness | |
| 166. | The welding performed on the body must be in compliance with current AWS procedures and guidelines recognized within the State of Manufacture. | |
| 167. | The body shall be supplied with a rear cross auger attachment. | |
| 168. | Entire cross auger housing assembly shall be manufactured from 304 stainless steel. | |
| 169. | Cross auger will be capable of moving free-flowing granular material to either a left or right opening | |
| 170. | Trough, lids and bottom assembly will be a minimum of 7 gauge with ¼ inch one-piece endplates. | |
| 171. | The rear of the conveyor will be reinforced with a 2 inch x 5 inch x 7 gauge minimum tube with the bottom trough latch system attached to this tube. | |
| 172. | There will be a three piece hinged top lid assembly covering the full width of the auger trough. | |
| 173. | The unobstructed, hinged bottom will allow clogged material to drop out when it is opened for easy cleanout. | |

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| 174. | Bottom trough will have three (3) solid ½ inch pipe hinges minimum. | |
| 175. | Bottom opening will have a removable door that can be either left or right mount | |
| 176. | All latches shall be captive, heavy duty 201 or 304 stainless steel that will work in the coldest weather without the use of tools and have a safety lock. | |
| 177. | Endplates will have convenient chain hoist lifting slots placed at the balance points to provide easy level mounting and dismounting of the cross auger. | |
| 178. | Auger will be a full 7 foot in length minimum with one-way flighting for left or right hand discharge of material. | |
| 179. | Auger will be a minimum of a 9 inch diameter, 4 inch pitch and 5/16 inch thick on the outer edge and welded to a 2-7/8 inch OD schedule 40 pipe. EWR pipe/tubing. | |
| 180. | Shafts will be a minimum of a 1-½ inch and supported by a heavy duty 1-½ inch sealed, self aligning, relubable four (4) bolt flange bearing. | |
| 181. | The exposed end of the shaft on the opposite end of the motor must include a stainless steel cover. | |
| 182. | Auger will be driven by a hydraulic, direct drive motor, 28 cubic inch, 1-¼ inch – 14 spline shaft with 7/8 inch O-ring ports minimum. | |
| 183. | Two spinner assemblies will be provided; one left side and one right side mounted. | |
| 184. | The spinner assembly is mounted to the bottom cleanout door and has an easy one man mount and dismount. | |
| 185. | Spinner disc will be 18 inches in diameter minimum and manufactured from polyurethane material. | |
| 186. | Six (6) formed spinner flights will be manufactured from polyurethane. | |
| 187. | Spinner disc will be mounted directly to the hydraulic motor by means of a cast iron spinner hub. | |
| 188. | Spinner motor will be a low speed high torque motor. | |
| 189. | Spinner will be completely adjustable for all normal variations of spread patterns. | |
| 190. | Mounting hardware shall be stainless steel and shall be provided. | |
| 191. | All stainless steel parts shall be in bare stainless. | |
| 192. | All mild steel parts of the cross auger assembly shall be powder coat black. | |
| 193. | Provide complete service and parts manuals for Dump Body, Hoist and Liquid Dispensing System. | |
| 194. | Provide manufacturers standard warranty for Dump Body and Liquid Dispensing System. | |
| C. CUSTOM PLOW HITCH INSTALLED | | |
| 195. | <p>The hitch will be a front plow hitch, Monroe Truck Portion Quick Hitch; Pin and Loop or approved equal.</p> <p>Hitch must accept the following front plows:</p> <p>Monroe model MP44R11-ISFT torsion trip edge reversible plow</p> <p>or approved equal.</p> | |

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| 196. | The truck must be properly framed pierced to accept the plow hitch described in item 195. | |
| 197. | Hitch receiver box is fabricated from ½” thick steel. | |
| 198. | Hitch must incorporate a drop pin locking mechanism. | |
| 199. | Drop pin will be 3” diameter mechanical tube minimum. | |
| 200. | Drop pin lever is fabricated from ½” x 1.5” bar stock minimum. | |
| 201. | Lever will be able to be locked into both the open and closed position with a pin and keeper. | |
| 202. | Hitch is to be a bumper to frame design. Bumper to axle or under axle design is NOT acceptable. | |
| 203. | Hitch shall be of a non-tilt design. | |
| 204. | The upper portion assembly of the hitch will be a minimum of 25” in width and shall be constructed of 1” x 5” A36 bar stock minimum. | |
| 205. | The upper portion will be braced with a minimum 4” x 4” x ½” structural angle. | |
| 206. | The lower angle which also has the cylinder mounting ear attached to the angle is a minimum of 4” x 4” x ¾”, gusseted with 3.5” x ½” A36 bar stock. | |
| 207. | All vertical and horizontal structural angles that make up the lift frame will be a minimum of 63,000 PSI tensile strength steel. | |
| 208. | The lift arm and lift frame will be designed to accept a minimum 4” lift cylinder. | |
| 209. | A 4” x 10” double acting lift cylinder shall be provided. Rod shall be a minimum 2” diameter and nitrided. | |
| 210. | The lift arm will be designed to fold down flat against the hitch when not in use. Folding shall be accomplished without the use of tools. | |
| 211. | Lift arm will consist of the following minimum requirements: ½” plate mounting ears; 3/8” thick outer tube assembly; ¼” wall inner tube assembly. | |
| 212. | Lift arm length will be adjustable utilizing a steel tube in tube design. The outer tube will have a minimum of three 1-1/16” holes drilled to accept a 1” zinc plated, cold rolled, button head pin. | |
| 213. | Welded between the ½” plate ears, will be a 1” schedule 40 pipe for attachment to the upper portion of the hitch with a 1” cold rolled rod. | |
| 214. | A ¼” A569 plate will be welded to the top of the lift arm assembly for added strength. | |
| 215. | The lift arm will have three banjo type chain eyes punched in ½” plate that will accept ½” chain and must be designed to support the weight of the plow. | |
| 216. | The plow portion of the quick hitch will be minimum 2” A36 round stock. | |
| 217. | Plow portion of hitch will allow for oscillation of the plow for following the contour of the road. | |
| 218. | Plow hitch will include ½” thick steel cheekplate push reinforcement. | |
| 219. | Hitch shall be powder coat black. | |
| 220. | Provide assembly, service and parts manual for Hitch. | |
| 221. | Provide manufacturers standard warranty for Hitch. | |

| D. SNOW PLOW | | |
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| 222. | Snow plow will be a Monroe model MP44R11-ISFT torsion trip edge reversible plow. or approved equal. | |
| 223. | Moldboard to be "C" style and constructed of 10 gauge A569 steel with a tensile strength of 55,000# to 70,000#. Moldboard is to be a minimum of 44" in height with an 8" cutting edge 11' in length. | |
| 224. | The moldboard is adjustable with three different attack positions of 20,10, and 5 degrees to the road surface. | |
| 225. | All six vertical support ribs are flame cut, ½" A36 steel, with a tensile strength of 58,000# to 80,000#, equally spaced across the width of the moldboard. (minimum) | |
| 226. | The ribs are to taper a minimum of 4" at the bottom angle to 2" at the top angle. | |
| 227. | A minimum ½" x4" x 6" plate is to be welded to the four ribs where the push frame attaches to the moldboard. | |
| 228. | Moldboard horizontal support members are to be a minimum 3" x 3" x ½" angle for support arms ¼ x 3 x 3 for non stabilizer arm angles. | |
| 229. | Top moldboard angle is 2" x 3" x 3/8" A36 steel minimum. | |
| 230. | Bottom moldboard angle will be a minimum 3/4" x 4" x 4" A36 steel, with 1" thick trip hinge blocks welded to the angle. | |
| 231. | The trip section angle assembly will be a minimum 3/4" x 4" x 4" A36 steel, with 1" thick trip hinge block welded to the angle. | |
| 232. | The angles will pivot on a piece of 1-1/4" cold rolled 1040 steel held in place with ¼" x 2" expansion pins minimum. | |
| 233. | The six torsion springs will have a minimum of rod diameter of ¾" outside diameter of 3-5/8", total of 16 coils, and overall length of coils to be 13". | |
| 234. | The pushframe will be heavy duty tubular design. | |
| 235. | The semi-circle of the plow will be fabricated from a minimum of 5" x 5/16" square tube. Boxed, ½" positive stops welded to the frame and set to allow moldboard to swing 35 degrees in either direction. | |
| 236. | There will be two reversing cylinders located on the inside of the semi-circle to eliminate as much side stress to the cylinder rod as possible. | |
| 237. | The cylinders will have a minimum 3" bore x 15" stroke, 2" diameter nitrated rod and pin eyes to accept 1" pins. All ports are designed for O-rings, with a lock nut; so angled fittings can be accurately positioned without fluid leakage. | |
| 238. | The hydraulic hoses are to be abrasion resistant, extremely flexible and work in a temperature range of -50 degrees to 250 degrees f. The ½" ID hose is to be rated at 3,000 PSI working pressure and 12,000 PSI burst pressure. | |
| 239. | A 30 GPM double relief cushion valve set at 1,800 PSI is to be provided. | |
| 240. | The push tube will be a minimum 5" x 5" x 5/16" A36 steel, minimum of 84" long, with eight ½" moldboard attaching ears reinforced with triangular ½" gussets. | |
| 241. | Welded to the push tube are two jack support channels manufactured from a minimum 14" x 19" x ½" A36 steel and have ten ¾" holes for mounting various optional runner assemblies. | |

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| 242. | The A-frame will be constructed with a upper and lower flame cut ½” plate reinforced with four 4” x 2” x ¼” tube reinforced with ½” gussets and with a 1” x 6” oscillating plate. The “A” frame will encapsulate the push frame. The swivel pin head is to be keyed so that the pin rotates with the A-frame. This will ensure that the grease zerk spreads grease through the entire range of the A-frame. (minimum) | |
| 243. | There will be two moldboard stabilizer arms constructed of 1-1/4” schedule 40 pipe and will be kept in place with 1” stress proof pins. | |
| 244. | Plow hitch attachment shall be 1 ½” thick round stock that forms a loop. | |
| 245. | All hardware and fasteners shall be electronically plated and corrosion resistant. | |
| 246. | All fasteners shall be grade 8, both cap-screw and nut. | |
| 247. | Plow will be black powder coat paint finish. | |
| 248. | Plow will include a 12” rubber snow deflector with steel retainer strap bolted to top angle of moldboard. | |
| 249. | Plow will include pair of screw adjustable mushroom skid shoes. | |
| 250. | Plow will include plastic blade markers. | |
| 251. | Provide assembly, service and parts manual for Snow Plow | |
| 252. | Provide manufacturers standard warranty for Snow Plow. | |
| E. CENTRAL HYDRAULIC SYSTEM | | |
| 253. | The central hydraulic system will be a Pengwyn model 485. or approved equal. | |
| 254. | The hydraulic system shall be driven by a transmission mounted constant mesh PTO. | |
| 255. | Provide service, parts and diagram manual for Central Hydraulic System. | |
| 256. | Provide manufacturers standard warranty for Central Hydraulic System. | |
| ELECTRONIC CONTROL CONSOLE | | |
| 257. | The electronic control console will be a two wire computer to computer type. The master computer, the slave computer will be located in the truck cab. The unit shall operate all hydraulic functions. The control unit will be ergonomically configured to interact intuitively with the driver. The controller will be tethered to allow remote operation in and outside the truck cab. | |
| 258. | The controller will have computer control of the following spreader functions in either ground oriented or manual mode and will not need or incorporate any spreader feedback sensors: Granular material spread rate, liquid de-icer (pre-wet) spread rate, liquid de-icer (pre-treat) spread rate, spinner rate – standard or zero velocity applications, granular and brine. | |
| 259. | The electronic control will operate the following cylinder functions: The dump body hoist, as required for underbody hoist, double acting, the plow angle functions, double acting, the plow lift and lower function, double acting. | |
| 260. | The control console will have keyless user protected access of system calibration. | |

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| 261. | The electronic control will have a back lit 16 character LCD display minimum. | |
| 262. | The electronic control will have a visual message and audible alarm system for alerting the operator of the following: Granular material conveyor approaching empty by sensing the conveyor motor differential pressure with temperature compensation, conveyor drive jam, hydraulic system over temperature, hydraulic tank low fluid warning, and low hydraulic fluid level switch initiated spreader and pump | |
| 263. | The control console display will have the following: Truck speed in MPH, granular spreader rate in lbs/mile, programmed liquid application (pre-wet) settings in gallons/tons programmed anti-icing (pre-treat) setting in gallons/miles, time of day, month, and year, distance measuring in feet tool mode, 0-15 GPM, distance measuring in tenth of mile pounds of granular material spread, gallons of liquid material dispensed hydraulic pressure, differential and actual, and hydraulic fluid temperature. | |
| 264. | The control console will have at minimum two communication ports: RS232 for bi-directional data download and calibration, RS232 for GPS spreader information downloading, RS232 spare, and RS485 for remote operator display. | |
| 265. | The control console will be able to compensate the following for pump/motor slippage and preset minimums: Minimum valve for the spreader, minimum valve for the spinner in Zero velocity mode, and pump slippage in wetting mode. | |
| 266. | The electronic control will store spreader and plow data via flash EPROM memory is nonvolatile and is not dependent on a battery backup. | |
| 267. | The control console will be easily removed from the cab without tools for use as a full function remote control of hydraulic functions right outside the truck for hydraulic tool use, system operation, or trouble shooting. | |
| 268. | The control will automatically shut off motor circuits when a fluid loss is sensed and plow and hoist circuits shall remain operable from the operator console. | |
| 269. | The control will have a temporary over-ride of the motor circuits shutdown to allow adjustable use of the motor circuits from the operator console for emergency use. | |
| HYDRAULIC PUMP | | |
| 270. | The hydraulic pump shall be a contamination tolerant gear design. | |
| 271. | The pump shall be a fuel saving suction shutoff design. | |
| 272. | In standby/shutoff mode, only 0.1 GPM lube flow shall circulate. | |
| 273. | The pump "dry valve" will automatically open and close when require by the control console. | |
| 274. | Suction shut off valve internally hydraulically pilot operated without use of any pneumatic valve or cylinders. | |
| 275. | Maximum drive speed is 3,200 RPM. | |
| 276. | The hydraulic pump is to be driven by a transmission mounted PTO, the pump is to be mounted directly to the PTO. The pump itself can be turned on or off at any engine speed. | |
| 277. | The hydraulic pump can be turned on or off under any pressure load. | |

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| 278. | The hydraulic pump will not require additional shut off valve to prevent loss due to main pressure hose failure. | |
| 279. | The hydraulic pump mount SAE "B" bolt design with 4" diameter pilot. | |
| 280. | The hydraulic pump shaft will be 7/8" diameter 13 tooth spline type. | |
| HYDRAULIC VALVE ASSEMBLY | | |
| 281. | Contain all hydraulic solenoid valves in a sealed enclosure located on the chassis frame and shall be a design for complete maintenance accessibility. (Consult New Albany for placement) | |
| 282. | Provide an electric reversing valve to be controlled by the electronic console. | |
| 283. | Have JIC ports for all hydraulic functions. | |
| 284. | Have all valve of the poppet type for contamination tolerance and zero leakage. | |
| 285. | Have the spreader, spinner and wetting motors be independently controlled. Each motor being controlled by a four valve array in digital flow controlled manner providing 15 speeds from 0-15 GPM. | |
| 286. | Have the above motors only operate in an open loop fashion not requiring feedback wires and sensors. | |
| 287. | Have all valve seals be static 'O' ring. | |
| 288. | Have the hoist circuit be a two speed design, offering up to 120 GPM flow rate. | |
| 289. | Have the hoist circuit be fully load compensated. | |
| 290. | Be a series circuit design, so arranged that all motors and any cylinder function will simultaneously operate regardless of engine RPM. | |
| 291. | Have the hydraulic circuit designed so that any spreader, spinner or wetting circuit automatically shuts off in the event of hose failure without further loss of hydraulic fluid while still allowing use of plow and bed functions. | |
| 292. | Have the manifold furnished with available porting for a tandem pump when flow requirements exceed the output of a single pump. | |
| HYDRAULIC VALVE TANK RESERVIOR ASSEMBLY | | |
| 293. | Provide a minimum of a Forty gallon capacity tank mounted on the chassis frame immediately after the cab with a magnetic drain plug, and ¼ turn ball-type shut off valve in the suction line. (Consult New Albany for placement) | |
| 294. | Must furnish ports and accessories to enable normal operation of the hydraulic system, including internal suction strainer, internal return line filter with replaceable element. Return line filter will be water coalescing type. | |
| 295. | The reservoir will include one suction line strainer. | |
| 296. | One combination temperature and oil level sight gauge, easily seen by the operator. | |
| 297. | Hydraulic fluid suction/return routing shall be a properly designed maximum component speed and rapid return of the oil. | |
| 298. | Hydraulic manifold will be mounted in the valve tank assembly. | |
| HYDRAULIC HOSES | | |
| 299. | Each hose assembly, except for the suction line, will be fitted with at least one JIC 37 degree swivel fitting at each point of the hose and component to allow for easy removal of the component. | |

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| 300. | All pressure lines shall be 3,000 PSI working pressure braided rubber covered hose with permanent type crimped on fittings. | |
| 301. | All pressure hoses shall be of the type and sizes recommended by the hydraulic system manufacture. | |
| 302. | Hydraulic lines extending to the front and rear of the chassis will be quick disconnects, caps and plugs for the snowplow and salt spreader operations. The salt spreader lines are to be in the rear corner posts of the dump body with a bulkhead fitting. | |
| 303. | The auger and spinner pressure lines will be permanently attached to the bulkhead fittings and have enough length to attach to the return lines when the spreader is removed from the dump body. This will protect the spreader circuits in event the spreader circuits are turned on when the spreader is not on the dump body. | |
| F. MISCELLANEOUS | | |
| 304. | Vehicle to be equipped with a vinyl Mountain Tarp Flip Tarp System installed on the 14' dump body with the electric controls mounted in the cab. (or approved equal) | |
| 305. | Furnish and install (2) Meyer, nite saber brand, snow plow lights mounted on the front hood/fenders with aluminum brackets. (or approved equal) | |
| 306. | Furnish and install (2) spreader lights, one on each side of the rear corners. | |
| 307. | Furnish and install an L.E.D. strobe light system which will have (2) strobes at the rear corner of the dump body and (4) strobes mounted in each mirror head. (Consult New Albany for placement and sizing) | |
| 308. | Furnish and install stainless steel mud guards ahead of each rear wheel and rubber flaps behind each rear wheel. | |

All parts not specifically mentioned, which are necessary to provide a complete unit, or normally furnished as standard equipment shall be furnished. The parts shall conform in strength, quality of material and workmanship to what is normally provided in the industry. This equipment must meet ALL Federal and State regulations.

Bidders are required to submit with their bids, the latest literature that fully describes the units being bid and complete the above verification of compliance with the equipment specifications. Should a bidder fail to submit the literature and verify specification requirements, the bid will not be considered. Failure to meet both requirements shall be just cause to consider your bid non responsive.

The signing of this bid shall be considered a certification that the model as bid herein is the latest current model and will include the manufacturer's latest engineering changes.

The Village of New Albany will consider performance history of similar equipment, vendor's service and vendor's overall responsiveness.

Bids varying from the above specifications must clearly indicate points of variance.

Bids shall be submitted on the attached bid form, excluding pricing. Pricing shall be submitted online only for a firm price for delivery in New Albany, Ohio, not including Federal and State taxes. Delivery date is to be as soon as possible, but not later than 180 days after receipt of order.

Vehicles purchased are to be promptly delivered to the PURCHASING AGENT of the Village of New Albany, Ohio, upon completion of installation of special equipment and dealer servicing.

The Certificate of Title is to be furnished within thirty (30) days after delivery of the vehicle. Title to be filed in Franklin County and made out to: Village of New Albany, 99 W. Main Street, New Albany, Ohio 43054. Delivery will not be considered complete until the title is received by the Village.



**The Village of New Albany
One (1) New 2 ½ Ton Tandem Axle Dump Truck with Snow Plow**

WHAT IS BIDBRIDGE AND ELECTRONIC SEALED BIDDING

BidBridge is a service provider contracted by the buyer to facilitate the bidding process with online tools and a team of knowledgeable professionals. You may find additional information about BidBridge by visiting our website at <http://www.bidbridge.com>. If you have not already registered with BidBridge in the past, then it is important that an authorized representative do so. The registration process is free and you may register with BidBridge by navigating to <http://www.bidbridge.com/>, then clicking the “Register” button. If you are unsure as to whether or not your organization is registered with BidBridge, you may contact BidBridge at (502) 491-1980.

To stay current on other bidding opportunities for your company please check “**Upcoming Events**” on our home page frequently.

The BidBridge Electronic Sealed Bidding Process is easy and consists of the following steps:

- Review specifications and submission information.
- Return sealed Specification Response to Buyer by the date and time required without pricing.
- Once the Buyer has reviewed all responses to their specifications, approved suppliers will be notified via email with a Formal Invitation from BidBridge.
- BidBridge will contact these suppliers to schedule a brief tutorial on the specific event to familiarize you with the electronic process and to answer any questions you may have.



**The Village of New Albany
One (1) New 2 ½ Ton Tandem Axle Dump Truck with Snow Plow**

HOW TO RESPOND TO THIS OPPORTUNITY

- Review all relevant documentation by clicking on the following link:
http://www.bidbridge.com/splr_bidpackage.aspx?ev=VillageofNewAlbanyOH/DumpTruck_2245

You may also navigate to the BidBridge website: <http://www.bidbridge.com> Click on “Upcoming Events” and scroll to the appropriate Buyer and double click on the item in which you are interested.

For questions regarding specifications please contact the Buyer. For questions regarding the electronic bid process contact BidBridge.
- Return your Specification Response, including an initialed copy of each addendum issued and the completed Submission Form, to the Buyer no later than Wednesday, May 19, 2010 by 11:00 AM EDT. **DO NOT** submit pricing with your response; pricing will be done **exclusively** online. Your response to the Buyer’s specifications shall be enclosed in an envelope clearly labeled with the following:

Specification Documents for
**The Village of New Albany
Franklin County, Ohio
Village Hall
99 W. Main Street
New Albany, OH, 43054
One (1) New 2 1/2 Ton Tandem Axle Dump Truck with Snow Plow
YOUR COMPANY NAME**

Please include an initialed copy or copies of any Addendums which have been issued along with your submittal. Failure to do so may render your package “Non-Responsive”. All addendums will be posted with the other documents pertaining to the bid and may be accessed at:
http://www.bidbridge.com/splr_bidpackage.aspx?ev=VillageofNewAlbanyOH/DumpTruck_2245

Submittals should indicate that you are able to comply with the request or indicate any and all exceptions to the specifications, as well as any option packages or prepayment discounts. **DO NOT SUBMIT BID PRICING WITH YOUR SPECIFICATIONS PACKAGE.** Submission of pricing with your response will render your bid package “Non-Responsive”.
- Once the Buyer has reviewed the responses and submitted the information to BidBridge, you will receive a Formal Invitation to participate in the electronic bid event.
- Shortly thereafter, you will be contacted by a BidBridge representative to schedule a brief tutorial to familiarize you with the process and answer any questions.
- Place your initial bid online before Wednesday, May 26, 2010 at 2:00 AM EDT.
- Live Bid Event will begin on Thursday, May 27, 2010 at 10:00 AM EDT.



**The Village of New Albany
One (1) New 2 ½ Ton Tandem Axle Dump Truck with Snow Plow**

IMPORTANT MILESTONES and CONTACT INFORMATION

| Milestone | Date/Time |
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| Public Advertisement Dates: | Tuesday, April 27, and Wednesday, May 5, 2010 |
| Pre-Bid Meeting at: New Albany Public Service Facility, 7800 Bevelhymer Road, New Albany, Ohio | Thursday, May 13, 2010 at 9:00 AM EDT |
| Sealed Specification Response Due to Buyer and must be Received By: | Wednesday, May 19, 2010 by 11:00 AM EDT |
| Formal Email Invitation Sent to Approved Suppliers: | Friday, May 21, 2010 |
| Supplier's Initial Bid Submission Deadline: | Wednesday, May 26, 2010 by 2:00 AM EDT |
| Electronic Sealed Bidding Event will Begin: | Thursday, May 27, 2010 at 10:00 AM EDT |

If you have any questions **regarding the specifications** or the Buyer's requirements for returning your response, please contact:

Mark Nemec
Director of Public Service
7800 Bevelhymer Road
New Albany, OH 43054
Primary Phone: (614) 855-0076
FAX: (614) 855-8585
E-Mail: mnemec@villageofnewalbany.org

If you have any questions **regarding the electronic bid process**, please contact:

BidBridge, LLC
Pam Hodelka
Senior Procurement Manager
7501 New Lagrange Road
Suite 2000
Louisville, KY 40222
Primary Phone: (877) 245-8880
E-Mail: pam.hodelka@bidbridge.com



ELECTRONIC BID EVENT SUBMISSION FORM
Must be completed and FAXED to BidBridge at 502-491-4575

The Village of New Albany will accept bids for One (1) New 2 1/2 Ton Tandem Axle Dump Truck with Snow Plow using an Electronic Sealed Bidding Process on Thursday, May 27, 2010 at 10:00 AM EDT in accordance with the specifications and procedures available either with BidBridge or The Village of New Albany.

The undersigned bidder hereby proposes and agrees to furnish The Village of New Albany, One (1) New 2 1/2 Ton Tandem Axle Dump Truck with Snow Plow in accordance with the Specifications. The bidder also agrees to participate in an Electronic Sealed Bidding Event to determine final pricing.

Your sealed specification response will be due at The Village of New Albany, Franklin County, Ohio; Village Hall; 99 W. Main Street; New Albany, Ohio no later than Wednesday, May 19, 2010 by 11:00 AM EDT. Specification submittals must indicate any and all exceptions to the specifications, as well as any option packages or prepayment discounts. **DO NOT SUBMIT BID PRICING WITH YOUR SPECIFICATIONS PACKAGE.**

The bidder understands that this proposal is submitted subject to the following: Bids will be evaluated based on each vendor's final pricing submitted during the Electronic Sealed Bidding Event, and the Specification Responses provided. Preference will be given to low bidders; however, the buyer reserves the right to accept bids on the basis of total evaluated bid or to accept portions of any bid. The Specifications and Information for Bidders form the conditions of the Contract for this proposal.

The awarded supplier is obligated to pay a transaction fee to BidBridge pursuant to the Terms & Conditions accepted upon placement of initial bid. The fee will be based on the final total purchase price assessed as Three Percent (3%). The transaction fee is assessed on the final selling price.

AWARD OF CONTRACT: REJECTION OF BIDS – The Buyer reserves the right to (i) reject any, any part of, or all bids or proposals to fulfill The Buyer's requirements, (ii) waive informalities and technicalities, (iii) negotiate directly with any party submitting a bid or proposal, or (iv) accept that bid or proposal which The Buyer deems to be in its best interest, whether or not it is the lowest dollar proposal. The Bidder to whom the award is made will be notified at the earliest possible date.

THIS SPECIFICATION RESPONSE IS HEREBY RESPECTFULLY SUBMITTED BY:

| | | | |
|----------------|-----------|-------|-----|
| _____ | | _____ | |
| COMPANY NAME | | DATE | |
| _____ | | _____ | |
| CONTACT PERSON | | TITLE | |
| _____ | | _____ | |
| PHONE NUMBER | | FAX | |
| _____ | | _____ | |
| ADDRESS | CITY | ST | ZIP |
| _____ | | _____ | |
| EMAIL ADDRESS | SIGNATURE | | |

MUST BE FAXED TO BIDBRIDGE AT 502-491-4575