

Missouri Department of Transportation

1511 Missouri Blvd.
P.O. Box 718
Jefferson City, Missouri 65102
573.751.3322
Fax: 573.522.1059
1.888.ASK MODOT (275.6636)

August 17, 2011

GENERAL SERVICES: BID REQUEST D5-11-059B Dump Truck Bed(s)

The Missouri Department of Transportation desires to establish pricing for the purchase of 'Dump Truck Beds' meeting the listed specification.

Sealed bids for the 'Dump Truck Beds' will be received by the Missouri Department of Transportation Central District, Jefferson City, Missouri, until **1:00 P.M., CDST, September 6, 2011**, and at that time will be publicly opened and read at MoDOT Central District, General Services, 1511 Missouri Blvd in Jefferson City, Missouri 65102.

Bid(s) are to be returned in a sealed envelope plainly marked **BID# D5-11-059B 'Dump Truck Bed(s).'** The date specified for the receiving of bids is a firm deadline and all bids must be received at the designated office by that time. The Department does not recognize the U.S. Mail, United Parcel Service, Air Express, or any other organization, as its agent for purposes of accepting proposals. Any proposals arriving at the designated office after the deadline specified will not be considered.

The attached form identified as "**VENDOR INFORMATION AND PREFERENCE CERTIFICATION FORM**" must be returned with the bid to assure that a copy remains on file in this office and must be dated in the current calendar year.

The right is reserved by the Missouri Highways and Transportation Commission to reject any or all bids and no award is final until formally approved by the Commission.

Respectively,

Corey Duemmel,
MoDOT Central District
Sr. Procurement Agent
(573) 526-6956



Our mission is to provide a world-class transportation experience that delights our customers and promotes a prosperous Missouri.

www.modot.org



BID PROPOSAL

The Missouri Department of Transportation desires to establish pricing for the purchase of 'Dump Truck Beds' meeting the listed specification. Use of this bid may be utilized by all seven (7) districts. Award will be based on delivery to the Central District. There is no guarantee as to any quantity that may be purchased.

Delivery Locations (FOB Destination)

MoDOT Central District
830 MoDOT Dr.
Jefferson City, MO. 65102

Specifications

See 'Specifications' pages.

Item 1: 16' ft Hardox Steel Dump Body (without cross members)

12+ year life expectancy

Item 2: 16' ft Combination Steel Dump Body (without cross members)

5+ year life expectancy

Item 3: 10' ft Standard Dump Body (with cross members)

5+ year life expectancy

Contract/Bid Period

Prices will be effective from award of bid, 2011 through August 31, 2014, with the option to renew for an additional two, (1) year periods

**Due to the nature of this bid and its direct correlation to steel prices, awarded bidder will be allowed to submit supporting evidence, once in a six month period, for an increase in price due to the fluctuation of steel prices.*

Award/Cancellation

Award of project will be to the lowest total bid price meeting the minimum listed requirements based on delivery to the Jefferson City location. The additional listed locations delivery price will be used for the ordering districts. MoDOT reserves the right to cancel this bid at any time.

Failure to comply with the requirements published in this bid may result in the bid being subject to rejection.

Invoicing and Payment Requirements

The contractor shall submit an itemized invoice on Company. The contractor shall be paid in accordance with the firm, fixed prices stated on the pricing page of this document. Other than the payment specified on the pricing page, no additional charges, including fuel surcharges shall be made to the contractor for any reason.

Payment

Payment will be made only after the final inspection of each unit, meeting all listed specifications and free of defects. Vendors' price must also allow for payment via Purchasing Card at the bid price if vendor is capable of processing credit cards.

Contacts

If you have any questions regarding bid requirements, please call Corey Duemmel at (573) 526-6956.



ADDITIONAL NOTES

All awarded bidders **MUST**:

1. Be in compliance with House Bill 600, Section 34.040.6 RSMo, which states MoDOT is precluded from contracting with a vendor or its affiliate who makes sales at retail of tangible personal property or for the purpose of storage, use or consumption in this state but fails to collect and properly pay the tax as provided in RSMo 144, their number is (573) 751-9268.
2. Be in good standing with the Secretary of State's office prior to issuance of 'Notice to Proceed.' Their phone number is (573) 751-4936.

If it cannot be determined that a vendor is compliant with the above, it shall be the vendors responsibility to provide the documentation within a reasonable amount of time in relation to the needs within the bid.

3. Awarded Vendor may be required to fill out a Vendor Registration Form if vendor has not conducted business with the State of Missouri within the last five (5) years, in order to allow the Missouri Department of Transportation to pay invoice.

Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for M/WBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.

Insurance

As listed in the enclosed 'Terms and Conditions.'



PRICING PAGE

Pricing/Award

Award will be made to the lowest total combined price for all items meeting the listed specifications.

Item 1) 16' ft Hardox Steel Dump Body (without cross members)

\$ _____/per unit Delivery Date _____

Item 2) 16' ft Combination Steel Dump Body (without cross members)

\$ _____/per unit Delivery Date _____

Item 3) 10' ft Standard Dump Body (with cross members)

\$ _____/per unit Delivery Date _____

TOTAL BID PRICE \$ _____

****Bidder Notes****

-Pricing is based on delivery of a single unit (FOB Destination.) Per unit prices shall be expected to be lowered when multiple units are ordered and trailer loads are achieved.

-Bidders must submit drawings of proposed truck bed. Any deviation from specification must be noted and indicated on drawing for review for possible acceptance. Any deviation that lessens the quality or strength of specification will be considered 'Non-Responsible.'

-Items 1 and 2 prices shall be negotiated upon request of order to accommodate odd bed sizes, such as 13' ft and 15' ft lengths

*-It is the sole responsibility of the bidder to check for any addendum during the time this project is out for bid and to ensure their bid price reflects any addendum.***

Vendor Name: _____



ADDITIONAL SHIPPING LOCATIONS/PRICES

Bidder shall list 'shipping' price adjustment based on shipping to the alternate locations.

<u>Location</u>	<u>Price Adjustment (+/-)</u>
Northwest District 3602 North Belt Highway St. Joseph, MO 64502	\$ _____
Kansas City District 2050 N.E. Independence Lee Summit, MO. 64064	\$ _____
Southwest District 3025 E. Kearney Springfield, MO 65804	\$ _____
Southeast District (Sikeston) 201 N. Main Sikeston, MO. 63801	\$ _____
Southeast District (Willow Springs) U.S. Rt. 63 North Willow Springs, MO. 65587	\$ _____
St. Louis District 2309 Barrett Station Rd. Ballwin, MO. 63021	\$ _____
Northeast District (Hannibal) Highway 61 South Hannibal, MO. 63401	\$ _____
Northeast District (Macon) 902 N. Missouri St. Macon, MO. 63552	\$ _____



ENDORSEMENT PAGE

SEALED BIDS TO BE MAILED TO:

Missouri Department of Transportation
Central District General Services/Procurement
1511 Missouri Blvd. (or)
P.O. Box 718
Jefferson City, MO 65102
Clearly Marked: **Bid Request D5-11-059B Dump Truck Bed(s)**

Firm: _____

Street: _____

City: _____

State: _____ Zip: _____

Phone: _____

Fax: _____

Name: _____

Signature: _____

Email: _____



ITEM #1 SPECIFICATION:
FOR SMOOTH SIDE, CROSS MEMBERLESS 16-FOOT DUMP BODY

The following specifications and dimensions shall apply to the twelve (12) cubic yard capacity truck-mounted dump body and hoist. The complete dump body shall be capable of accommodating a 16-foot, slip-in material spreader with attached liquid storage tanks.

Bids will not be considered on any body and hoist that deviate from these specifications. MoDOT reserves the right to complete a thorough pre-delivery inspection of awarded bed builder. Vendor shall provide 48 hour notice of ready for inspection. Beds shall not be delivered to MoDOT destinations without prior approval by the receiving District Fleet Manager. MoDOT reserves the right to waive compliance on minor technicalities on this specification; to reject any or all bids; and to accept that bid which, in the opinion of MoDOT, is in the best interest of the State.

1. GENERAL

The dump body provided shall be a smooth side style, cross-memberless. The floor, sides, and main long sill are to be full length with no cross-splices. All boxed areas of the dump body shall be sealed. No wiring or hoses shall be run through any boxed area. All welds shall be continuous. All hinge pins shall be removable.

- A. Dump body capacity shall be twelve cubic yards water level.
- B. 16-foot maximum inside length.
- C. 102-inch minimum outside width.
- D. 86-inch minimum inside width.
- E. 36-inch minimum side height with raised ends.

2. MATERIAL

The dump body main long sills, floor, tailgate, sides, and front shall be constructed using a minimum of Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength.

- A. Main Long Sills 3/16-inch
- B. Floor, Tailgate, Corner Posts 3/16-inch
- C. Sides, Front, Cab Shield 3/16-inch
- D. Formed Top Rail 3/16-inch

3. DUMP BODY MOUNTING

- A. The rear edge of the dump body pivot pin shall be 0- to 1-inch forward from the rear face of the rear hitch plate.
- B. The dump body pivot, measured from the centerline of the pivot pin to the rear face of the dump body not including the tailgate, shall be 12 inches.
- C. A 4-gauge battery cable ground strap, 1"x1" tab with hole to accept 5/16" bolt welded passenger side rear pivot point shall be installed.

4. HOIST

- A. Hoist shall be a trunnion mount, double-acting cylinder.
- B. The hoist should be designed to accept a Model CS150-6.5-4DA MAILHOT cylinder or pre-approved equal. The cylinder sleeves shall be nitride coated. Sub-frame hoists are not acceptable.



- C. A flared body/outboard mount bracket will be attached to either the hoist frame or body understructure to align body in position and keep from moving side to side.

5. BODY PROPS

- A. A storable body prop shall be provided on each side of the dump body.
- B. Pivots for the body props shall be greaseable. **If vendor bids an alternative, they must provide detailed description of the operation of the body prop and demonstrate how it will not freeze up. The Department reserves the right to not accept the alternate body prop.**
- C. Body props shall be constructed to withstand the down-pressure of the hoist without damaging the dump body, chassis, or any related components.
- D. Location of mounting will allow for extended dump height to allow personnel to safely access the whole underside of bed to flush/wash as well to work on airlines, hydraulic lines, drivelines, etc. without removing the bed.

6. DUMP BODY PIVOTS

Dump body pivots shall facilitate thorough greasing. Bushings shall have an internal radial groove in line with the grease fitting. Pivot pins shall be drilled and cross-drilled.

- E. **ALL GREASE ZERKS WILL BE THREADED. DRIVE IN ZERKS ARE NOT ACCEPTABLE.**
- F. All threaded holes for grease zerks shall be of sufficient depth to prevent the zerk from bottoming out when tightened.

7. CAB PROTECTOR

- A. The 27" forward protection integrated cab protector with built in tarp spooler and wind screen, shall not interfere with the cab-mounted vertical exhaust pipe.
- B. The 65" high cab protector shall be mounted, welded and gusseted to prevent flexing or vibration.
- C. Two 90 degree mounted tabs welded vertically on each front corner of cab protector that will support required lighting with steel brush guard and light of approximate 30# weight. The 90 degree tab will accommodate 1 1/2" x 1 1/2" steel tubing, with two bolt holes to accommodate 3/8" bolts. The holes will be drilled from the front tab, through the cab protector. The 90 degree tab will be mounted so the open side is facing out for easy removal of light post.
- D. See Item 13 Wiring and Hose Routing. Routing from lighting posts with 1/4 - inch diameter painted steel U shaped saddle will run under the cab protector flair over to the drive side of bed and down along the front edge (not to interfere with shovel holder) and then under the bed to the rear pivot point.

8. SIDES

- A. Sides shall have a formed, debris-shedding top rail.
- B. No horizontal or vertical supports on the sides.
- C. Sides shall have no provisions for extension boards.



9. FRONT

Shovel holders will be securely mounted on front of bed. Two holders per side. Mounting height will ensure shovels will not interfere with the ground. Bottom brackets will securely fasten the handles of the shovels when in place. Each District will provide dimensions for final mounting.

10. TAILGATE

- A. The tailgate shall be double-acting, and vertically straight with off-set hinges for positive closure.
- B. The tailgate shall be a 6 panel tailgate with sealed boxed supports and a minimum of two vertical supports. Lift handles shall be welded on each side just above bottom rib.
- C. A hinged "D" ring shall be mounted top and center of the tailgate to provide a lifting hook for removing the tailgate.
- D. Two 3/8-inch grade 70 spreader/holder chains shall be provided and stowed in boxes that are externally welded on tailgate when not in use.
- E. Anchor points for the tailgate chains shall be made from 3/8-inch thick steel. These anchor points shall be lapped on the outside of the dump body with a minimum of 1-inch overlap. Keyhole slot in anchor points shall be configured so that when installed, the link of the tailgate chain nested in the anchor is no more than 1 inch away from the rear face of the dump body at the farthest point.
- F. The top hinge pin shall be minimum 1 inch diameter and pivot through a greasable bushing. These pins shall have one end tapered approximately 30 degrees for ease of alignment. 30 degree taper shall be 1/4- to 3/8-inch in length.
- G. The tailgate lower pins shall be a minimum 1 1/8-inch diameter. Tailgate shall, without assistance from the locking device, seal against the floor/side sheets of the dump body, with no more than a 1/16-inch gap at any point. With the tailgate closed and the locking device open, tailgate lower pins shall have a 1/8-inch minimum, 1/4-inch maximum gap between the forward edge of the pin and the forward edge of the cradle.
- H. A license plate bracket shall be welded on the left-hand side of the tailgate, at approximately half the height of the tailgate.
- I. When tailgate is lowered parallel to body floor, the inside surface of the tailgate shall provide a gap no more than 1/2" below or equal for a smooth level joint between the tailgate and the body floor.

11. TAILGATE LATCH

- A. An over-center locking device on each side of the dump body shall hold the tailgate securely closed.
- B. The tailgate latch cross shaft assembly shall be supported on each end by bushings.
- C. This locking device shall be operated by a 3.5" diameter air cylinder, which shall be mounted between the long sills. Air cylinder shall be controlled by the chassis air accessory power supply.
- D. Locking device shall be adjustable at each side of the dump body.
- E. A manual over-ride shall be provided on the outside of the dump body, allowing the operator to lock or unlock the tailgate using a simple adjustable wrench and without removing components.
- F. Lubrication points on the tailgate latch cross-shaft shall facilitate easier greasing by means of grooved bushings and/or shaft.



- G. Grease zerks at each end of the tailgate cross-shaft shall be visible and accessible from the outside face of the dump body.

12. LADDER

- A. A fold down style, minimum of two-rung ladder shall be installed on each side of the dump body with additional minimum of two rungs on side of bed for a continuous ascent/descent. Location of the ladder shall be such that the operator does not have to climb over the tarp bow when the tarp is retracted.
- B. Grab handles shall be installed on the outside of the dump body and provide for three points of contact while using the ladder.

13. WIRING AND HOSE ROUTING

- A. Wiring and hoses going to the front of the dump body shall be supported by a minimum 5/16-inch diameter painted steel rod spiral mounts/stand-offs (*see Attachment A series*) which shall be securely attached to the inside of the long sills. Stand-offs shall be placed no farther than 24 inches apart, and be securely welded to the long sill. The spiral mount will allow for wiring and hoses to set into, but for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*
- B. There will be no wiring inside the rear corner posts.

14. REAR CORNER POSTS

- A. Rear corner posts will be of such design to accommodate the 304 stainless steel free standing light boxes without protruding in an unsafe design and must be in accordance of Federal Motor Vehicle Safety Standards.
- B. Corner posts will not be compromised with any holes. Tabs will be welded on the top and bottom to securely attach the SS light box with 1" clearance around the box.
- C. The top of the corner box will be debris shedding. From the underside of each rear corner posts, the steel U shaped saddles as noted in Item 13, will route the wiring to the center of the pivot point at the rear of bed. Posts are fully enclosed.

15. FREE STANDING LIGHT BOXES

On each rear corner posts will be recessed 304 Stainless Steel light box shall have cut out three (3) rear facing 2-inch x 6-inch oval holes for stop/turn/tail lights and one 2-1/2" side facing hole for marker lights.

16. SPREADER LIGHT

On the lower corner post driver side a 5/16" mounting bolt hole to accommodate mounting a MoDOT supplied truck light model 80360 work light. Location must be pre-approved. Mounting location shall not hinder the operations of the material spreader.

17. MANIFOLD BULKHEAD

- A. Hydraulic manifold located below bottom rail for supplied bulkhead mounting to accommodate:
Drivers side: *Four (4) holes, bulkhead 20" long, 1/4" thick and 3/8" wide.*



From end of plate to center of first hole from the left 3" for 1 5/16" hole to the center of next hole 7 3/4" with a 1 5/16" hole the next hole 12 1/2" from edge with a 1 3/16" hole and the fourth hole on the right will be 17 1/4" from left edge with a 7/8" hole.

Passenger side: *Three (3) holes, bulkhead 11 1/2" long, 1/4" thick and 3/8" wide.*

From end of plate to center of first hole from the left 2 1/2" for 1/2" hole to the center of next hole 5 3/4" with a 1/2" hole the next hole 9" from edge with a 7/8" hole.

- B. Backside of bulkhead will route hoses through a punched hole in the long sills. The Schedule 80 or 304 Stainless Steel tubing punched through the long sills that allow passage of hoses and wires shall be free of any sharp edges or seams that can cause damage to hoses or wires.
- C. Hydraulic hoses shall be supported with a minimum 5/16" diameter painted steel stand-off/harness (*see Attachment B.*) Harness should be free of burrs and sharp edges should be centered between bed rail and bulkhead allowing for hoses to rest onto and allow for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*

18. **CONSPICUITY**

Dump body shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines. Layout pattern will be provided to successful Vendor.

19. **SPREADER BODY HOLD DOWNS**

Four storable winches to be welded prior to priming on the bottom side of upper body rail in a fashion not to exceed the overall width of the body. Body Builder must coordinate placement of winches to line up vertically with the spreader hold down brackets. Location must be pre approved.

20. **TARP**

- A. Aero 550 aluminum tarp system with super winch heavy duty motor and asphalt tarp. High mount.
- B. Air spooler will be mounted flush with leading edge of cab protector to keep area cleared of debris. All cab protector mountings will allow for self cleaning when bed is raised.
- C. Minimum of seven (7) tarp tie downs per side located below the upper side rail. Location must ensure the tarp is secured for operation



21. PAVER LIP

A paver or asphalt lip shall be mounted on the rear dump body apron.

- A. Paver lip shall be mounted with 1/2 –inch hardware. Holes in lip and dump body shall be dimensional to allow any lip to be installed on any dump body. Welded paver lips are not acceptable.
- B. Paver lip shall be mounted at an angle of 24-28 degrees.
- C. Length of paver lip shall be such as to provide 20 inches of overhang, measured from the rear face of the rear hitch plate to the rear edge of the paver lip.

22. PAINT

Bed shall be thoroughly cleaned and completely painted with a high quality corrosion resistant finish. Finish shall be smooth, shiny, and free of runs, overspray, and/or other defects. **** NO bare ferrous metal components shall be visible.****

- A. Paints and primers used shall be 100% lead and chromate free. MSDS on products used shall be made immediately available to MoDOT upon request.
- B. Bed will be steel shot blasted to a 185 profile before applying primer.
- C. All components shall be painted with a premium quality Genesis M paint system.
- D. All visible finishes shall be smooth, shiny, and free of runs, overspray, and/or other defects.
- E. Body accessories that are required to be welded on, i.e., ladders, steps, tarp brackets, warning light brackets, cab shield, etc., are to be installed by the Body Builder prior to priming.
- F. Upon completion of component installation, the Body Builder shall touch-up bed paint damaged during component installation.
- G. Colors:
All components used in the fabrication the bed are required to be painted Genesis M School Bus Yellow G2-32750-161949. Code 161949.



**ITEM #2 SPECIFICATION:
16-FOOT COMBO STEEL DUMP BODY (POSTED SIDES/CROSS MEMBERLESS FLOOR)**

The following specifications and dimensions shall apply to the twelve (12) cubic yard capacity truck-mounted dump body and hoist. The complete dump body shall be capable of accommodating a 16-foot, slip-in material spreader with attached liquid storage tanks.

Bids will not be considered on any body and hoist that deviate from these specifications. MoDOT reserves the right to complete a thorough pre-delivery inspection of awarded bed builder. Vendor shall provide 48 hour notice of ready for inspection. Beds shall not be delivered to MoDOT destinations without prior approval by the receiving District Fleet Manager. MoDOT reserves the right to waive compliance on minor technicalities on this specification; to reject any or all bids; and to accept that bid which, in the opinion of MoDOT, is in the best interest of the State.

1. GENERAL

The dump body provided shall be a posted side style and a cross-memberless Hardox steel floor. The floor and main long sill are to be full length with no cross-splices. All boxed areas of the dump body shall be sealed. No wiring or hoses shall be run through any boxed area. All welds shall be continuous. All hinge pins shall be removable.

- A. Dump body capacity shall be twelve cubic yards water level.
- B. 16-foot maximum inside length.
- C. 102-inch maximum outside width.
- D. 86-inch minimum inside width.
- E. 36-inch minimum side height with raised ends.

2. MATERIAL

- A. The sides, front, and cab shield: 1/8-inch ASTM-1011 grade 50 high tensile steel.
- B. Floor: 3/16-inch single sheet of Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength.
- C. Long sills: 3/16-inch Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength.
- D. Corner Posts and tailgate: 3/16-inch Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength.

3. DUMP BODY MOUNTING

- A. The rear edge of the dump body pivot pin shall be 0 to 1-inch forward from the rear face of the rear hitch plate.
- B. The dump body pivot, measured from the centerline of the pivot pin to the rear face of the dump body not including the tailgate, shall be 12 inches.
- C. A 4-gauge battery cable ground strap, 1"x1" tab with hole to accept 5/16" bolt welded passenger side rear pivot point shall be installed.

4. HOIST

- A. Hoist shall be a trunnion mount, double-acting cylinder.
- B. The hoist should be designed to accept a Model CS150-6.5-4DA MAILHOT cylinder or pre-approved equal. The cylinder sleeves shall be nitride coated. Sub-frame hoists are not acceptable.



- C. A flared body/outboard mount bracket will be attached to either the hoist frame or body understructure to align body in position and keep from moving side to side.

5. BODY PROPS

- A. A storable body prop shall be provided on each side of the dump body.
- B. Pivots for the body props shall be greaseable. **If vendor bids an alternative, they must provide detailed description of the operation of the body prop and demonstrate how it will not freeze up. The Department reserves the right to not accept the alternate body prop.**
- C. Body props shall be constructed to withstand the down-pressure of the hoist without damaging the dump body, chassis, or any related components.
- D. Location of mounting will allow for extended dump height to allow personnel to safely access the whole underside of bed to flush/wash as well to work on airlines, hydraulic lines, drivelines, etc. without removing the bed.

6. DUMP BODY PIVOTS

Dump body pivots shall facilitate thorough greasing. Bushings shall have an internal radial groove in line with the grease fitting. Pivot pins shall be drilled and cross-drilled.

- A. **ALL GREASE ZERKS WILL BE THREADED. DRIVE IN ZERKS ARE NOT ACCEPTABLE.**
- B. All threaded holes for grease zerks shall be of sufficient depth to prevent the zerk from bottoming out when tightened.

7. CAB PROTECTOR

- A. Constructed from 1/8-inch ASTM 1011 grade 50 high tensile steel.
- B. The 27" forward protection integrated cab protector with built in tarp spooler and wind screen, shall not interfere with the cab-mounted vertical exhaust pipe.
- C. The 65" high cab protector shall be mounted, welded and gusseted to prevent flexing or vibration.
- D. Two 90 degree mounted tabs welded vertically on each front corner of cab protector that will support required lighting with steel brush guard and light of approximate 30# weight. The 90 degree tab will accommodate 1 1/2" x 1 1/2" steel tubing, with two bolt holes to accommodate 3/8" bolts. The holes will be drilled from the front tab, through the cab protector. The 90 degree tab will be mounted so the open side is facing out for easy removal of light post.
- E. See **Item 13, Wiring and Hose Routing**. Routing from lighting posts with 1/4 - inch diameter painted steel U shaped saddle will run under the cab protector flair over to the drive side of bed and down along the front edge (not to interfere with shovel holder) and then under the bed to the rear pivot point.

8. FLOOR AND LONG SILLS

- A. The dump body main long sills, and floor shall be constructed of 3/16-inch Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength. Floor will be constructed of single sheet.



- B. Main Long Sills: 3/16-inch, fabricated, 11-inch tall, trapezoidal in shape; gusseted inside every 24" with a group of three spaced 6-inches apart at the rear hinge point; a 3/8"x3" wear strip is welded along the bottom of the long sill. Long sills are spaced 34-inches outside to outside; forms a 6-inch 45 degree easy clean out transition between the floor and the sidewall.

8. SIDES AND VERTICAL POSTS

- A. Sides constructed of 1/8-inch ASTM-1011 grade 50 high tensile steel.
- B. Sides shall have a debris-shedding top rail.
- C. Sides shall have no provisions for extension boards.
- D. Inside of sides: Shall have a 45 degree sloped dirt shedding bottom rub rail.
Outside of sides: Shall have four (4) vertical posts, 2-3/4" deep x 11" wide with 45 degree splayed slides, spaced approximately 24-inches apart.

9. FRONT

- A. Front Head Sheet constructed of one piece 1/8-inch ASTM-1011 grade 50 high tensile steel extending up to the bottom of the cab shield with two (2) horizontal 'V' formed rigidizing bends apart.
- B. Shovel holders will be securely mounted on front of bed. Two (2) holders per side. Mounting height will ensure shovels will not interfere with the ground. Bottom brackets will securely fasten the handles of the shovels when in place. Each District will provide dimensions for final mounting.

10. TAILGATE

- A. Tailgate constructed of 3/16-inch Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength shall be double-acting, and vertically straight with off-set hinges for positive closure; with dirt shedding top rail.
- B. The tailgate shall be a six (6) panel with sealed boxed supports and a minimum of two vertical supports. Lift handles shall be welded on each side just above bottom rib.
- C. A hinged "D" ring shall be mounted top and center of the tailgate to provide a lifting hook for removing the tailgate.
- D. Two 3/8-inch grade 70 spreader/holder chains shall be provided and stowed in boxes that are externally welded on tailgate when not in use.
- E. Anchor points for the tailgate chains shall be made from 3/8-inch thick steel. These anchor points shall be lapped on the outside of the dump body with a minimum of 1-inch overlap. Keyhole slot in anchor points shall be configured so that when installed, the link of the tailgate chain nested in the anchor is no more than 1 inch away from the rear face of the dump body at the farthest point.
- F. The top hinge pin shall be ASTM 148 4140 cast steel; shall be minimum 1 inch diameter and pivot through a greasable bushing. These pins shall have one end tapered approximately 30 degrees for ease of alignment. 30 degree taper shall be 1/4- to 3/8-inch in length.
- G. The tailgate lower pins shall be a minimum 1 1/8-inch diameter. Tailgate shall, without assistance from the locking device, seal against the floor/side sheets of the dump body, with no more than a 1/16-inch gap at any point. With the tailgate closed and the locking device open, tailgate lower pins shall have a 1/8-inch minimum, 1/4-inch maximum gap between the forward edge of the pin and the forward edge of the cradle.



- H. A license plate bracket shall be welded on the left-hand side of the tailgate, at approximately half the height of the tailgate.
- I. When tailgate is lowered parallel to body floor, the inside surface of the tailgate shall provide a gap no more than ½" below or equal for a smooth level joint between the tailgate and the body floor.

11. **TAILGATE LATCH**

- A. An over-center locking device on each side of the dump body shall hold the tailgate securely closed.
- B. The tailgate latch cross shaft assembly shall be supported on each end by bushings.
- C. This locking device shall be operated by a 3.5" diameter air cylinder, which shall be mounted between the long sills. Air cylinder shall be controlled by the chassis air accessory power supply.
- D. Locking device shall be adjustable at each side of the dump body.
- E. A manual over-ride shall be provided on the outside of the dump body, allowing the operator to lock or unlock the tailgate using a simple adjustable wrench and without removing components.
- F. Lubrication points on the tailgate latch cross-shaft shall facilitate easier greasing by means of grooved bushings and/or shaft.
- G. Grease zerks at each end of the tailgate cross-shaft shall be visible and accessible from the outside face of the dump body.

12. **LADDER**

- A. A fold down style, minimum of two-rung ladder shall be installed on each side of the dump body with additional minimum of two rungs on side of bed for a continuous ascent/descent. Location of the ladder shall be such that the operator does not have to climb over the tarp bow when the tarp is retracted.
- B. Grab handles shall be installed on the outside of the dump body and provide for three points of contact while using the ladder.

13. **WIRING AND HOSE ROUTING**

- A. Wiring and hoses going to the front of the dump body shall be supported by a minimum 5/16-inch diameter painted steel rod spiral mounts/stand-offs (*see Attachment A series*) which shall be securely attached to the inside of the long sills. Stand-offs shall be placed no farther than 24 inches apart, and be securely welded to the long sill. The spiral mount will allow for wiring and hoses to set into, but for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*
- B. There will be no wiring inside the rear corner posts.

14. **REAR CORNER POSTS**

- A. Rear corner posts will be of such design to accommodate the 304 stainless steel free standing light boxes without protruding in an unsafe design and must be in accordance of Federal Motor Vehicle Safety Standards.
- B. Corner posts will not be compromised with any holes. Tabs will be welded on the top and bottom to securely attach the SS light box with 1" clearance around the box.



- C. The top of the corner box will be debris shedding. From the underside of each rear corner posts, the steel U shaped saddles as noted in Item 13, will route the wiring to the center of the pivot point at the rear of bed. Posts are fully enclosed.

15. FREE STANDING LIGHT BOXES

On each rear corner posts will be recessed 304 Stainless Steel light box shall have cut out three (3) rear facing 2-inch x 6-inch oval holes for stop/turn/tail lights and one 2-1/2" side facing hole for marker lights.

16. SPREADER LIGHT

On the lower corner post driver side a 5/16" mounting bolt hole to accommodate mounting a MoDOT supplied truck light model 80360 work light. Location must be pre-approved. Mounting location shall not hinder the operations of the material spreader.

17. MANIFOLD BULKHEAD

- A. Hydraulic manifold located below bottom rail for supplied bulkhead mounting to accommodate:

Drivers side: *Four (4) holes, bulkhead 20" long, 1/4" thick and 3/8" wide.*

From end of plate to center of first hole from the left 3" for 1 5/16" hole to the center of next hole 7 3/4" with a 1 5/16" hole the next hole 12 1/2" from edge with a 1 3/16" hole and the fourth hole on the right will be 17 1/4" from left edge with a 7/8" hole.

Passenger side: *Three (3) holes, bulkhead 11 1/2" long, 1/4" thick and 3/8" wide.*

From end of plate to center of first hole from the left 2 1/2" for 1/2" hole to the center of next hole 5 3/4" with a 1/2" hole the next hole 9" from edge with a 7/8" hole.

- B. Backside of bulkhead will route hoses through a punched hole in the long sills. The Schedule 80 or 304 Stainless Steel tubing punched through the long sills that allow passage of hoses and wires shall be free of any sharp edges or seams that can cause damage to hoses or wires.
- C. Hydraulic hoses shall be supported with a minimum 5/16" diameter painted steel stand-off/harness (*see Attachment B.*) Harness should be free of burrs and sharp edges should be centered between bed rail and bulkhead allowing for hoses to rest onto and allow for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*

18. CONSPICUITY

Dump body shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines. Layout pattern will be provided to successful Vendor.

19. SPREADER BODY HOLD DOWNS

Four storable winches to be welded prior to priming on the bottom side of upper body rail in a fashion not to exceed the overall width of the body. Body Builder must coordinate placement of winches to line up vertically with the spreader hold down brackets. Location must be pre approved.



20. TARP

- A. Aero 550 aluminum tarp system with super winch heavy duty motor and asphalt tarp. High mount.
- B. Air spooler will be mounted flush with leading edge of cab protector to keep area cleared of debris. All cab protector mountings will allow for self cleaning when bed is raised.
- C. Minimum of seven (7) tarp tie downs per side located below the upper side rail. Location must ensure the tarp is secured for operation

21. PAVER LIP

A paver or asphalt lip shall be mounted on the rear dump body apron.

- A. Paver lip shall be mounted with 1/2 –inch hardware. Holes in lip and dump body shall be dimensional to allow any lip to be installed on any dump body. Welded paver lips are not acceptable.
- B. Paver lip shall be mounted at an angle of 24-28 degrees.
- C. Length of paver lip shall be such as to provide 20 inches of overhang, measured from the rear face of the rear hitch plate to the rear edge of the paver lip.

22. PAINT

Bed shall be thoroughly cleaned and completely painted with a high quality corrosion resistant finish. Finish shall be smooth, shiny, and free of runs, overspray, and/or other defects. **** NO bare ferrous metal components shall be visible.****

- A. Paints and primers used shall be 100% lead and chromate free. MSDS on products used shall be made immediately available to MoDOT upon request.
- B. Bed will be steel shot blasted to a 185 profile before applying primer
- C. All components shall be painted with a premium quality Genesis M paint system.
- D. All visible finishes shall be smooth, shiny, and free of runs, overspray, and/or other defects.
- E. Body accessories that are required to be welded on, i.e., ladders, steps, tarp brackets, warning light brackets, cab shield, etc., are to be installed by the Body Builder prior to priming.
- F. Upon completion of component installation, the Body Builder shall touch-up bed paint damaged during component installation.
- G. Colors:
All components used in the fabrication the bed are required to be painted Genesis M School Bus Yellow G2-32750-161949. Code 161949.

TAILGATE OPTION

- A. Shall be constructed of the 3/16-inch ASTM A 1011 grade 50 high tensile steel in place of the of 3/16-inch Hardox 450 ultra high tensile steel, rated 450 brinell and 220,000-psi tensile strength.



**ITEM #3 SPECIFICATION:
10-FOOT STANDARD STEEL DUMP BODY (POSTED SIDES & CROSSMEMBER FLOOR)**

The following specifications and dimensions shall apply to the five(5) cubic yard capacity truck-mounted dump body and hoist. The complete dump body shall be capable of accommodating a 10-foot, slip-in material spreader with attached liquid storage tanks.

Bids will not be considered on any body and hoist that deviate from these specifications. MoDOT reserves the right to complete a thorough pre-delivery inspection of awarded bed builder. Vendor shall provide 48 hour notice of ready for inspection. Beds shall not be delivered to MoDOT destinations without prior approval by the receiving District Fleet Manager. MoDOT reserves the right to waive compliance on minor technicalities on this specification; to reject any or all bids; and to accept that bid which, in the opinion of MoDOT, is in the best interest of the State.

1. GENERAL

The dump body provided shall be a posted side style and a crossmember steel floor. The floor and main long sill are to be full length with no cross-splices. All boxed areas of the dump body shall be sealed. No wiring or hoses shall be run through any boxed area. All welds shall be continuous. All hinge pins shall be removable.

- A. Dump body capacity shall be 5 cubic yards water level
- B. 10-foot maximum inside length.
- C. 95-inch maximum outside width.
- D. 86-inch minimum inside width.
- E. 24-inch minimum side height with raised ends.

2. FLOOR STRUCTURE

- A. Under Floor Structure and Main Long Sills
C6 x 8.2 channel x 120" inch long sills are spaced 34" outside to outside. 3/16" inch x 5.5" x 30" steel plate is welded into the open we area of the long sill at both ends and the middle forming a box structure reinforcement. 4" inch x 3.8 lb/ft 120 ksi 'I' beam cross members spaced 11" inches on center. Each cross member is gusseted to the long sills with a 3/16" inch x 3" x 6" tapered steel plate
- B. Floor: (single sheet), One piece ASTM 1011 grade 50 high tensile steel floor, 3/16" inch thick.

3. DUMP BODY MOUNTING

- A. The rear edge of the dump body pivot pin shall be 0 to 1-inch forward from the rear face of the rear hitch plate.
- B. The dump body pivot, measured from the centerline of the pivot pin to the rear face of the dump body not including the tailgate, shall be 12 inches.
- C. A 4-gauge battery cable ground strap, 1"x1" tab with hole to accept 5/16" bolt welded passenger side rear pivot point shall be installed.



4. HOIST

- A. Hoist shall be a trunnion mount, double-acting cylinder.
- B. The hoist should be designed to accept a Model CS150-6.5-4DA MAILHOT cylinder or pre-approved equal. The cylinder sleeves shall be nitride coated. Sub-frame hoists are not acceptable.
- C. A flared body/outboard mount bracket will be attached to either the hoist frame or body understructure to align body in position and keep from moving side to side.

5. BODY PROPS

- A. A storable body prop shall be provided on each side of the dump body.
- B. Pivots for the body props shall be greaseable. **If vendor bids an alternative, they must provide detailed description of the operation of the body prop and demonstrate how it will not freeze up. The Department reserves the right to not accept the alternate body prop.**
- C. Body props shall be constructed to withstand the down-pressure of the hoist without damaging the dump body, chassis, or any related components.
- D. Location of mounting will allow for extended dump height to allow personnel to safely access the whole underside of bed to flush/wash as well to work on airlines, hydraulic lines, drivelines, etc. without removing the bed.

6. DUMP BODY PIVOTS

Dump body pivots shall facilitate thorough greasing. Bushings shall have an internal radial groove in line with the grease fitting. Pivot pins shall be drilled and cross-drilled.

- A. **ALL GREASE ZERKS WILL BE THREADED. DRIVE IN ZERKS ARE NOT ACCEPTABLE.**
- B. All threaded holes for grease zerks shall be of sufficient depth to prevent the zerk from bottoming out when tightened.

7. CAB PROTECTOR

- A. The 27" forward protection integrated cab protector made from 10 gauge ASTM 1011 grade 50 high tensile steel, with built in tarp spooler and wind screen, shall not interfere with the cab-mounted vertical exhaust pipe.
- B. The 65" high cab protector shall be mounted, welded and gusseted to prevent flexing or vibration.
- C. Two 90 degree mounted tabs welded vertically on each front corner of cab protector that will support required lighting with steel brush guard and light of approximate 30# weight. The 90 degree tab will accommodate 1 ½" x 1 ½" steel tubing, with two bolt holes to accommodate 3/8" bolts. The holes will be drilled from the front tab, through the cab protector. The 90 degree tab will be mounted so the open side is facing out for easy removal of light post.
- D. See **Item 13, Wiring and Hose Routing**. Routing from lighting posts with ¼ - inch diameter painted steel U shaped saddle will run under the cab protector flair over to the drive side of bed and down along the front edge (not to interfere with shovel holder) and then under the bed to the rear pivot point.



8. SIDES

- A. Sides shall have a formed, debris-shedding top rail and sloped top bottom rail.
- B. Sides shall have no provisions for extension boards.
- C. Sides will be constructed from 10 gauge ASTM 1011 grade 50 high tensile steel.
- D. Three (3) vertical posts, 2-3/4" deep x 7" wide with 45 degree splayed sides, spaced approximately 24" apart.

9. FRONT

Shovel holders will be securely mounted on front of bed. Two (2) holders per side. Mounting height will ensure shovels will not interfere with the ground. Bottom brackets will securely fasten the handles of the shovels when in place. Each District will provide dimensions for final mounting.

- A. Front side will be constructed from 10 gauge ASTM 1011 grade 50 high tensile steel.
- B. Formed with 2 horizontal "V" formed rigidizing bends.

10. TAILGATE

- A. Tailgate will be constructed from 10 gauge ASTM 1011 grade 50 high tensile steel.
- B. The tailgate shall be double-acting, and vertically straight with off-set hinges for positive closure; with dirt shedding top rail.
- C. The tailgate shall be a six (6) panel tailgate with sealed boxed supports and a minimum of two vertical supports. Lift handles shall be welded on each side just above bottom rib.
- D. A hinged "D" ring shall be mounted top and center of the tailgate to provide a lifting hook for removing the tailgate.
- E. Two 3/8-inch grade 70 spreader/holder chains shall be provided and stowed in boxes that are externally welded on tailgate when not in use.
- F. Anchor points for the tailgate chains shall be made from 3/8-inch thick steel. These anchor points shall be lapped on the outside of the dump body with a minimum of 1-inch overlap. Keyhole slot in anchor points shall be configured so that when installed, the link of the tailgate chain nested in the anchor is no more than 1 inch away from the rear face of the dump body at the farthest point.
- G. The top hinge pin shall be ASTM 148 4140 cast steel; shall be minimum 1 inch diameter and pivot through a greasable bushing. These pins shall have one end tapered approximately 30 degrees for ease of alignment. 30 degree taper shall be 1/4- to 3/8-inch in length.
- H. The tailgate lower pins shall be a minimum 1 1/8-inch diameter. Tailgate shall, without assistance from the locking device, seal against the floor/side sheets of the dump body, with no more than a 1/16-inch gap at any point. With the tailgate closed and the locking device open, tailgate lower pins shall have a 1/8-inch minimum, 1/4-inch maximum gap between the forward edge of the pin and the forward edge of the cradle.
- I. A license plate bracket shall be welded on the left-hand side of the tailgate, at approximately half the height of the tailgate.
- J. When tailgate is lowered parallel to body floor, the inside surface of the tailgate shall provide a gap no more than 1/2" below or equal for a smooth level joint between the tailgate and the body floor.



11. TAILGATE LATCH

- A. An over-center locking device on each side of the dump body shall hold the tailgate securely closed.
- B. The tailgate latch cross shaft assembly shall be supported on each end by bushings.
- C. This locking device shall be operated by a 3.5" diameter air cylinder, which shall be mounted between the long sills. Air cylinder shall be controlled by the chassis air accessory power supply.
- D. Locking device shall be adjustable at each side of the dump body.
- E. A manual over-ride shall be provided on the outside of the dump body, allowing the operator to lock or unlock the tailgate using a simple adjustable wrench and without removing components.
- F. Lubrication points on the tailgate latch cross-shaft shall facilitate easier greasing by means of grooved bushings and/or shaft.
- G. Grease zerks at each end of the tailgate cross-shaft shall be visible and accessible from the outside face of the dump body.

12. LADDER

- A. A fold down style, minimum of two-rung ladder shall be installed on each side of the dump body with additional minimum of two rungs on side of bed for a continuous ascent/descent. Location of the ladder shall be such that the operator does not have to climb over the tarp bow when the tarp is retracted.
- B. Grab handles shall be installed on the outside of the dump body and provide for three points of contact while using the ladder.

13. WIRING AND HOSE ROUTING

- A. Wiring and hoses going to the front of the dump body shall be supported by a minimum 5/16-inch diameter painted steel rod spiral mounts/stand-offs (*see Attachment A series*) which shall be securely attached to the inside of the long sills. Stand-offs shall be placed no farther than 24 inches apart, and be securely welded to the long sill. The spiral mount will allow for wiring and hoses to set into, but for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*
- B. Wiring inside the rear corner posts shall be secured to 1/4-inch vertical painted steel rods attached inside the rear corner posts by means of 1/4-inch X 1-inch stand-offs, securely welded. Height of stand-off to be sufficient to support all of the wiring inside the corner post. Stand-offs shall be positioned to allow wires to be secured away from the tailgate latch mechanism, and within 6 inches of all lamps.

14. REAR CORNER POSTS

- A. Shall be made with 3/16-inch ASTM A 1011 grade 50 high tensile steel.
- B. Rear corner posts shall have three (3) rear facing 6-inch oval light holes (holes only) for stop/turn/tail lights, and one (1) 2-1/2" side facing hole for marker lights. Rear corner post to have bottom closure sealed from weather.
- C. The top of the corner box will be debris shedding. From the underside of each rear corner posts, the steel U shaped saddles as noted in Item 13,



will route the wiring to the center of the pivot point at the rear of bed.
Posts are fully enclosed.

- D. All panels are attached with continuous welds.

16. SPREADER LIGHT

On the lower corner post driver side a 5/16" mounting bolt hole to accommodate mounting a MoDOT supplied truck light model 80360 work light. Location must be pre-approved. Mounting location shall not hinder the operations of the material spreader.

17. MUD FLAP BRACKETS

Friction type mud flap brackets to be attached to the underside of the dump body at the rear. These brackets shall allow replacement of the mud flap by removing only one fastener. See attached drawing. Mud flaps shall be 24" wide and long enough to satisfy FMVSS. Front mud flap brackets to be attached to underside of bed. Front mud flaps shall be 24" wide and long enough to keep rear tires from throwing debris on the back of the cab.

18. MANIFOLD BULKHEAD

- A. Hydraulic manifold located below bottom rail for supplied bulkhead mounting to accommodate:

Drivers side: *Four (4) holes, bulkhead 20" long, ¼" thick and 3/8" wide.*

From end of plate to center of first hole from the left 3" for 1 5/16" hole to the center of next hole 7 3/4" with a 1 5/16" hole the next hole 12 ½" from edge with a 1 3/16" hole and the fourth hole on the right will be 17 ¼" from left edge with a 7/8" hole.

Passenger side: *Three (3) holes, bulkhead 11 ½" long, ¼" thick and 3/8" wide.*

From end of plate to center of first hole from the left 2 1/2" for ½" hole to the center of next hole 5 ¾" with a ½" hole the next hole 9" from edge with a 7/8" hole.

- B. Backside of bulkhead will route hoses through a punched hole in the long sills. The Schedule 80 or 304 Stainelss Steel tubing punched through the long sills that allow passage of hoses and wires shall be free of any sharp edges or seams that can cause damage to hoses or wires.
- B. Hydraulic hoses shall be supported with a minimum 5/16" diameter painted steel stand-off/harness (*see Attachment B.*) Harness should be free of burs and sharp edges should be centered between bed rail and bulkhead allowing for hoses to rest onto and allow for easy removal. *Zip ties will not be the primary means of holding wire and hoses in place.*

19. CONSPICUITY

Dump body shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines. Layout pattern will be provided to successful Vendor.

20. SPREADER BODY HOLD DOWNS

Four storable winches to be welded prior to priming on the bottom side of upper body rail in a fashion not to exceed the overall width of the body. Body Builder



must coordinate placement of winches to line up vertically with the spreader hold down brackets. Location must be pre approved.

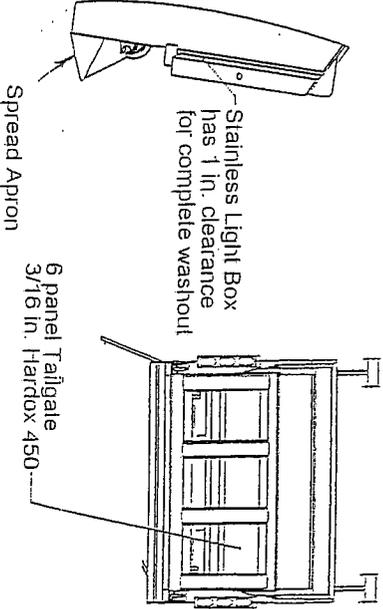
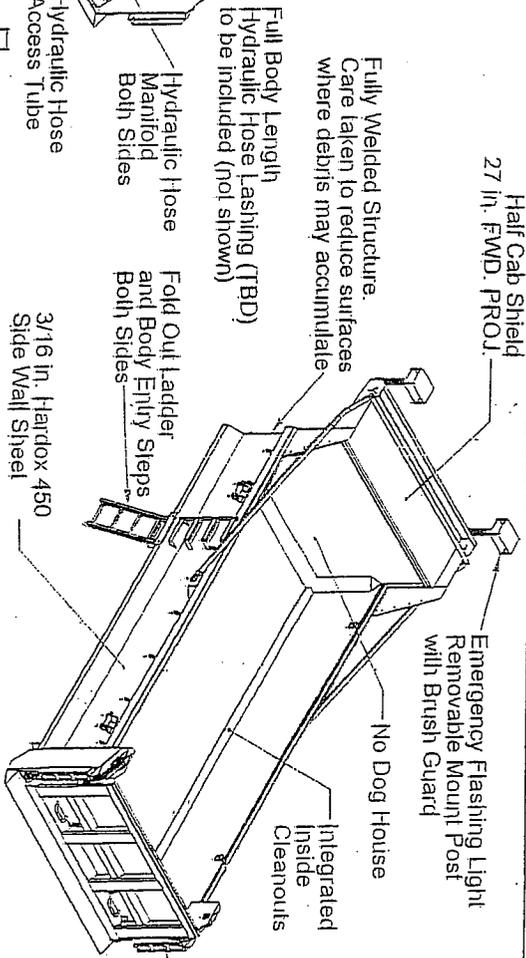
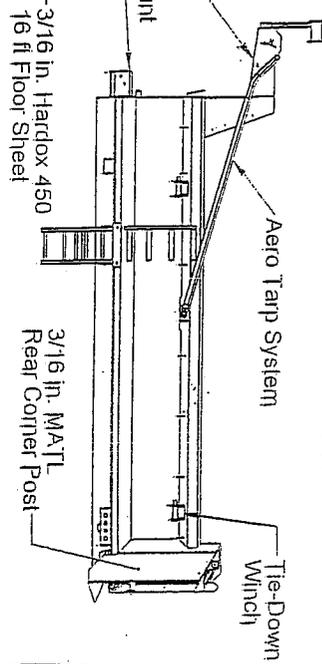
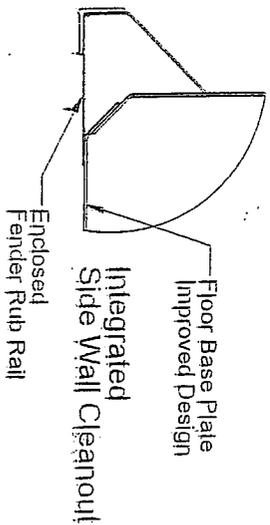
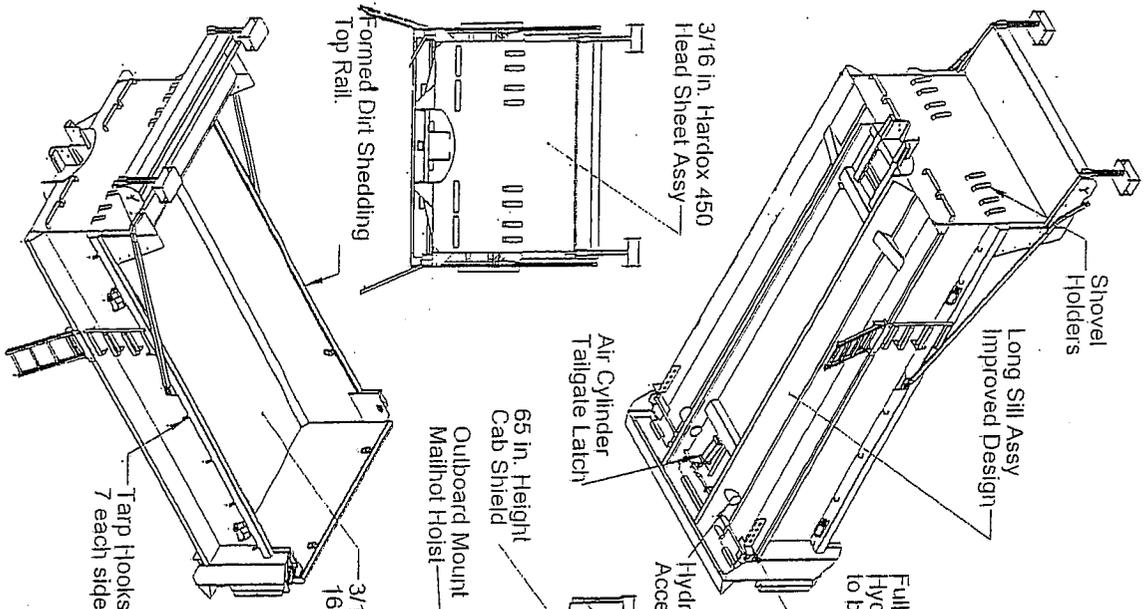
21. TARP

- A. Aero 550 aluminum tarp system with super winch heavy duty motor and asphalt tarp. High mount.
- B. Air spooler will be mounted flush with leading edge of cab protector to keep area cleared of debris. All cab protector mountings will allow for self cleaning when bed is raised.
- C. Minimum of five (5) tarp tie downs per side located below the upper side rail. Location must ensure the tarp is secured for operation

22. PAINT

Bed shall be thoroughly cleaned and completely painted with a high quality corrosion resistant finish. Finish shall be smooth, shiny, and free of runs, overspray, and/or other defects. **** NO bare ferrous metal components shall be visible.****

- A. Paints and primers used shall be 100% lead and chromate free. MSDS on products used shall be made immediately available to MoDOT upon request.
- B. Bed will be steel shot blasted to a 185 profile before applying primer.
- C. All components shall be painted with a premium quality Genesis M paint system.
- D. All visible finishes shall be smooth, shiny, and free of runs, overspray, and/or other defects.
- E. Body accessories that are required to be welded on, i.e., ladders, steps, tarp brackets, warning light brackets, cab shield, etc., are to be installed by the Body Builder prior to priming.
- F. Upon completion of component installation, the Body Builder shall touch-up bed paint damaged during component installation.
- G. Colors:
All components used in the fabrication the bed are required to be painted Genesis M School Bus Yellow G2-32750-161949. Code 161949.



VENDOR INFORMATION & PREFERENCE CERTIFICATION FORM

Vendor Information

All bidders must furnish ALL applicable information requested below

Vendor Name/Mailing Address: Email Address:	Vendor Contact Information (including area codes): Phone #: Cellular #: Fax #:
Printed Name of Responsible Officer or Employee:	Signature:
For Corporations - State in which incorporated:	For Others - State of domicile:

If the address listed in the Vendor Name/Mailing Address block above is not located in the State of Missouri, list the address of Missouri offices or places of business:

*If additional space is required, please attach an additional sheet and identify it as **Addresses of Missouri Offices or Places of Business.***

M/WBE INFORMATION: List all certified Minority or Women Business Enterprises (**M/WBE**) utilized in the fulfillment of this bid. Include percentages for subcontractors and identify the M/WBE certifying agency:

<u>M/WBE Name</u>	<u>Percentage of Contract</u>	<u>M/WBE Certifying Agency</u>

*If additional space is required, please attach an additional sheet and identify it as **M/WBE Information***

Preference Certification

All bidders must furnish ALL applicable information requested below

GOODS/PRODUCTS MANUFACTURED OR PRODUCED IN USA: If any or all of the goods or products offered in the attached bid which the bidder proposes to supply to the MHTC are **not** manufactured or produced in the "United States", or imported in accordance with a qualifying treaty, law, agreement, or regulation, list below, by item or item number, the country other than the United States where each good or product is manufactured or produced.

Item (or item number)	Location Where Item is Manufactured or Produced

*If additional space is required, please attach an additional sheet and identify it as **Location Products are Manufactured or Produced.***

MISSOURI SERVICE-DISABLED VETERAN BUSINESS: Please complete the following if applicable. Additional information may be requested if preference is applicable. See below definitions for qualification criteria:

Service-Disabled Veteran is defined as any individual who is disabled as certified by the appropriate federal agency responsible for the administration of veterans' affairs.

Service-Disabled Veteran Business is defined as a business concern:

- a. Not less than fifty-one (51) percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than fifty-one (51) percent of the stock of which is owned by one or more service-disabled veterans; and
- b. The management and daily business operations of which are controlled by one or more service-disabled veterans.

Veteran Information

Business Information

Service-Disabled Veteran's Name (Please Print)

Service-Disabled Veteran Business Name

Service-Disabled Veteran's Signature

Missouri Address of Service Disabled Veteran Business

COOPERATIVE AGREEMENT NOTICE
D5-11-059B DUMP TRUCK BEDS

The Department is interested in assisting Missouri governmental entities, etc. in purchasing equipment, various materials and supplies that meet the Highway and Transportation Department specifications.

Each bidder is asked to indicate below whether they would be willing to offer **Items 1 thru 3** as listed in the attached "Request for Bid" for sale to these local political entities at the same bid price offered to this Department.

It is understood the Department will not issue purchase orders, accept delivery nor make payment for these items ordered by any of these agencies. It is further understood the price is based on the items being sought, meeting the Department specifications. Any added options, deletions, or extra freight costs would be negotiated between the local agency and the successful vendor.

Indicate below whether your company is willing to offer such cooperative purchasing for Missouri counties, cities or other political entities.

YES _____ NO _____

If the price varies throughout the state on Department bids because of different delivery destinations, please indicate the price f.o.b. your location that would be offered as described.

F.O.B. Location _____

Indicate the deadline date that orders will be accepted. _____

COMPANY NAME _____

ADDRESS _____

PHONE NUMBER _____

SIGNATURE _____

TITLE _____

DATE _____

(Each vendor should complete the appropriate sections of their form and submit with their bid.)

Missouri Highways and Transportation Commission
Standard Bid Provisions, General Terms and Conditions and Special Terms and Conditions

STANDARD SOLICITATION PROVISIONS

- a. The solicitation for the procurement of the supplies referenced therein, to which these "Standard Bid Provisions, General Terms and Conditions and Special Terms and Conditions" are attached, is being issued under, and governed by, the provisions of Title 7 – Missouri Department of Transportation, Division 10 – Missouri Highways and Transportation Commission, Chapter 11 – Procurement of Supplies, of the Code of State Regulations. The Missouri Highways and Transportation Commission (**MHTC**), acting by and through its operating arm, the Missouri Department of Transportation (**MoDOT**), draws the Bidder's attention to said 7 CSR 10-11 for all the provisions governing solicitation and receipt of bids/quotes and the award of the contract pursuant to this solicitation.
- b. All bids/quotes must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.

GENERAL TERMS AND CONDITIONS

Definitions

Capitalized terms as well as other terms used but not defined herein shall have the meaning assigned to them in section 7 CSR 10-11.010 Definition of Terms.

Nondiscrimination

- a. The Contractor shall comply with all state and federal statutes applicable to the Contractor relating to nondiscrimination, including, but not limited to, Chapter 213, RSMo; Title VI and Title VII of Civil Rights Act of 1964 as amended (42 U.S.C. Sections 2000d and 2000e, *et seq.*); and with any provision of the "Americans with Disabilities Act" (42 U.S.C. Section 12101, *et seq.*).
- b. **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MHTC shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
 - ii. cancellation, termination or suspension of the contract, in whole or in part.

Contract/Purchase Order

- a. By submitting a bid/quote, the Bidder agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's bid response, and (3) the MHTC's acceptance of the bid by post-award contract or purchase order.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized notice to proceed and/or purchase order.

Applicable Laws and Regulations

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri, Missouri Department of Revenue, and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MHTC a copy of their current Authority Certificate from the Secretary of State of the State of Missouri and/or a copy of their Certificate of No Tax Due from the Missouri Department of Revenue.
- c. Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MHTC a copy of their current Transient Employer Certificate from the Missouri Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.

Executive Order:

The Contractor shall comply with all the provisions of Executive Order 07-13, issued by the Honorable Matt Blunt, Governor of Missouri, on the sixth (6th) day of March, 2007. This Executive Order, which promulgates the State of Missouri's position to not tolerate persons who contract with the state engaging in or supporting illegal activities of employing individuals who are not eligible to work in the United States, is incorporated herein by reference and made a part of this Agreement.

- 1) "By signing this Agreement, the Contractor hereby certifies that any employee of the Contractor assigned to perform services under the contract is eligible and authorized to work in the United States in compliance with federal law."
- 2) In the event the Contractor fails to comply with the provisions of the Executive Order 07-13, or in the event the Commission has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States in violation of federal law, the Commission reserves the right to impose such contract sanctions as it may determine to be appropriate, including but not limited to contract cancellation, termination or suspension in whole or in part or both.
- 3) The Contractor shall include the provisions of this paragraph in every subcontract. The Contractor shall take such action with respect to any subcontract as the Commission may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Preferences

- a. In the evaluation of bids/quotes, preferences shall be applied in accordance with 7 CSR 10-11.020(7). Contractors should apply the same preferences in selecting subcontractors. The attached document entitled "**VENDOR INFORMATION AND PREFERENCE CERTIFICATION FORM**" must be completed and returned with the solicitation documents.
- b. Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for M/WBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.

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Cancellation of Contract

The MHTC may cancel the Contract at any time for a material breach of contractual obligations or for convenience by providing Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.

Bankruptcy or Insolvency

Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntarily, or upon the appointment of a receiver, trustee, or assignee, for the benefit of creditors, the Commission reserves the right and sole discretion to either cancel the Agreement or affirm the Agreement and hold the Contractor responsible for damages.

Warranty

The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by the MHTC, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.

Status of Independent Contractor

The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

Non-Waiver

If one of the parties agrees to waive its right to enforce any term of this Contract, that party does not waive its right to enforce such term at any other time or to enforce any or all other terms of this Contract.

Indemnification

The Contractor shall defend, indemnify and hold harmless MHTC, including its members and department employees, from any claim or liability whether based on a claim for damages to real or personal property or to a person for any matter relating to or arising out of the Contractor's performance of its obligations under the contract awarded pursuant to this solicitation.

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

SPECIAL TERMS AND CONDITIONS

Tax Exempt Status:

MHTC is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the Contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Project Tax Exemption Certificate will be furnished to the successful Bidder upon request if applicable.

Insurance

The Contractor shall maintain or cause to be maintained at Contractor's own expense commercial general liability, automobile liability, worker's compensation insurance against negligent acts, errors or omissions of the Contractor, or its subcontractors and anyone directly or indirectly employed by any of them. Any insurance policy required as specified in this Section shall be written by a company that is licensed and authorized to issue such insurance in the state of Missouri and shall provide insurance coverage for not less than the following limits of liability:

- 1) General Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than \$3,000,000 for all claims arising out of a single occurrence;
- 2) Automobile Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than \$3,000,000 for all claims arising out of a single occurrence;
- 3) Missouri State Workmen's Compensation policy or equivalent in accordance with state law.

Upon request from the Commission, the Contractor shall provide the Commission with certificates of insurance evidencing the required coverage and that such insurance is in effect.

Delivery – Additional Requirements

- a. The Contractor shall furnish the Missouri Department of Transportation with a planned delivery schedule at least 16 hours before starting delivery.
 - 1) Notification should be during the normal workday preceding the day on which the Contractor desires to initiate delivery.
 - 2) It will be necessary for a representative of the Missouri Department of Transportation to be present when the material is delivered.
 - 3) No material will be accepted that has been dumped in the absence of the department's aggregate materials checker.
- b. Unless otherwise specified in the proposal, deliveries will be a minimum of **500 Tons Per Day**. No deliveries will be made during the period from **30 minutes before sundown to sunrise**. No deliveries will be made on **Saturdays, Sundays and holidays** unless specifically authorized by the engineer.
- c. The following days shall be construed as **official holidays** under the terms of the contract:

January 1	New Year's Day
Third Monday in January	Martin Luther King, Jr.'s Birthday
February 12	Lincoln's Birthday
Third Monday in February	Washington's Birthday
May 8	Truman's Birthday
Last Monday in May	Memorial Day
July 4	Independence Day
First Monday in September	Labor Day
Second Monday in October	Columbus Day
November 11	Veteran's Day
Fourth Thursday in November	Thanksgiving Day
December 25	Christmas Day

- d. When any of the above **holidays falls** on a **Sunday**, the holiday will be observed on the following **Monday**; when any of the above **holidays falls** on a **Saturday**, the **holiday** will be observed on the immediately preceding **Friday**.
- e. Contractor will not be required to provide dozers, loaders, motor graders, or other equipment for shaping of stockpiles, constructing ramps or runways, or leveling of the top of a completed lift, unless otherwise noted herein.

Temporary Suspension of Work

- a. The **District Engineer** shall have authority to suspend work wholly or in part for such period or periods as may be deemed necessary when weather or other conditions are such that in the opinion of the engineer, the work may be done at a later time with advantage to MoDOT or for failure on the part of the Contractor to comply with any of the provisions of the Contract.
- b. If MoDOT suspends the work for its own advantages and not because of the Contractor's failure to comply with the Contract, the Contractor will be allowed an equal number of calendar days after the completion date for the completion of the work. MoDOT may at its discretion give the Contractor an extension of time for completing the work where the Contractor incurs delays for causes beyond his control.
- c. Normal rainfall is not considered a cause qualifying for an extension of time. Claim for extension of time for all causes must be submitted by the Contractor in writing within **30 Days** after the claimed cause for the delay has ceased to exist.

Liquidated Damages

- a. In the event the successful Contractor fails to deliver the material within the time specified, the Department and the public will sustain damages because of such delay in delivery, the exact extent of which would be difficult to ascertain, and in order to liquidate such damage in advance it is agreed that the **sum of per day, per item**, for each assessable calendar day on which the delivery has not been completed, is reasonable and the best estimate which the parties can arrive at as liquidated damages, and it is therefore agreed that said amount will be withheld from payments due the Contractor or otherwise collected from the Contractor as liquidated damages.
- b. **Saturdays, Sundays, holidays and days whereas the Department has suspended work** shall not be assessable days.