

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES - FLEET
830 MoDOT Drive, Jefferson City, MO
65109

REQUEST NO.	3-120315RJ
DATE	March 2, 2012
PAGE NO.	1

SEALED BIDS, SUBJECT TO THE ATTACHED CONDITIONS WILL
 BE RECEIVED AT THIS OFFICE UNTIL

2:00 pm., Local Time, March 15, 2012

AND THEN PUBLICLY OPENED AND READ FOR FURNISHING
 THE FOLLOWING SUPPLIES OR SERVICES.

**BIDS TO BE BASED F.O.B. MISSOURI DEPARTMENT OF
 TRANSPORTATION**

Submit net bid as cash discount stipulations will not be considered
 Various End User Delivery Locations

DEFINITE DELIVERY DATE SHOULD BE SHOWN. THE BIDDER MUST SIGN AND RETURN BEFORE DATE AND TIME SET
 FOR OPENING.

BUYER: Reva Jones

BUYER TELEPHONE: 573-526-2744

BUYER EMAIL: reva.jones@modot.mo.gov

EQUIPMENT

Auger Spreaders

To establish a contract to furnish "auger spreaders" in accordance with the following
 pages.

Components of Agreement: The Agreement between MHTC and the successful Bidder shall consist of: the RFB and any written amendments thereto, the "Standard Bid Provisions, General Terms and Conditions and Special Terms and Conditions" that are attached to this RFB, the bid submitted by the Bidder in response to the RFB and the post-award contract agreement signed between the parties. However, MHTC reserves the right to clarify any relationship in writing and such written clarification shall govern in case of conflict with the applicable requirements stated in the RFB or the Bidder's bid. The Bidder is cautioned that its bid shall be subject to acceptance by MHTC without further clarification.

Return sealed bid to the address shown at the top of this page.

(SEE ATTACHED FOR TERMS, CONDITIONS, AND INSTRUCTIONS)

In compliance with the above Request For Bid, and subject to all conditions thereof, the undersigned bidder agrees to furnish and deliver any or all the items on which prices were bid within the timeframe specified herein, after receipt of formal purchase order.

Date: _____
Telephone No.: _____
Fax No.: _____
Federal I.D. No. _____
Email Address: _____

Firm Name: _____
Address: _____
By (Signature): _____
Type/Print Name _____

Is your firm MBE
 certified? ☐ Yes ☐ No

Title: _____
 Is your firm WBE
 certified? ☐ Yes ☐ No

1. INTRODUCTION AND GENERAL INFORMATION

1.1 Introduction:

- 1.1.1 This Request for Bid (RFB) seeks bids from qualified organizations to provide **auger spreaders** for the locations in the State of Missouri (listed on page 2 of this document), to the Missouri Highways and Transportation Commission (MHTC) and Missouri Department of Transportation (MoDOT). Each bid must be in a sealed envelope, be mailed or delivered by courier to the RFB Coordinator at the below listed address, on or before the date and time listed herein for receipt of bids/proposals. All questions regarding the RFB shall be submitted to the RFB Coordinator. **Bids must be returned to the office of the RFB Coordinator no later than 2:00 p.m., CDT, March 15, 2012.**

RFB COORDINATOR:

Reva Jones, Senior General Services Specialist
Missouri Department of Transportation, General Services
830 MoDOT Drive
Jefferson City, MO 65109

PHONE: 573-526-2744

FAX: 573-526-1218

1.2 General Information:

- 1.2.1 This document constitutes an invitation for competitive, sealed bids for the procurement of auger spreaders as set forth herein.
- 1.2.2 Organization: This RFB is divided into the following parts:
- 1) Introduction and General Information
 - 2) Scope of Work
 - 3) Bid Submission
 - 4) Pricing Page(s)
 - 5) Vendor Information and Preference Certification Form
 - 6) Anti-Collusion Statement
 - 7) Specifications
 - 8) Terms and Conditions

2. SCOPE OF WORK

2.1 General Requirements:

- 2.1.1 The contractor shall provide auger spreaders on an as needed, if needed basis for the MHTC and MoDOT, in accordance with the provisions and requirements stated herein.
- 2.1.2 The contractor shall provide all deliverables/services to the sole satisfaction of MoDOT.
- 2.1.3 *MoDOT estimates, but does not guarantee, a maximum of 20 units will be purchased.*
- 2.1.4 Unless otherwise specified herein, the contractor shall furnish all material, labor, facilities, equipment, and supplies necessary to provide the deliverables/services required herein.
- 2.1.5 MoDOT reserves the right to reject any or all bids, and to accept or reject any items thereon, and to waive technicalities. In case of error in the extension of prices in the bid, unit prices will govern.

2.2 Specific Requirements:

- 2.2.1 The contractor shall provide MoDOT with auger spreaders, in accordance with the attached specifications. *Exceptions to the enclosed specifications must have adequate explanations listed on separate sheets.* Questions related to the specifications should be directed to John Hayden at 573-522-5233, or by e-mail at john.hayden@modot.mo.gov.

2.3 Required Specifications:

- a. All materials, equipment, and/or services bid upon must comply with the attached MoDOT Specification and any other provisions outlined in the solicitation documents.

2.4 Delivery Requirements:

- 2.4.1 The following delivery requirements shall apply:

- a. Unless otherwise specified on the solicitation documents or purchase order, suppliers shall give at least 24 hours advance notice of each delivery. Delivery will only be received between the hours of 8:00 a.m. to 3:00 p.m., Monday through Friday. Material arriving after 3:00 p.m. will not be unloaded until the following workday. No material will be received on Saturday, Sunday or state holidays.
- b. If the prices bid herein include the delivery cost of the material, the Contractor agrees to pay all transportation charges on the material as FOB - Destination. Freight costs must be included in the unit price bid and not listed as a separate line item.
- c. Any demurrage is to be paid by the Contractor direct to the railroad or carrier.

- 2.4.2 The contractor shall deliver the products specified herein to the following MoDOT locations:

- a. St. Joseph, Missouri 64502
- b. Macon, Missouri 63552
- c. Hannibal, Missouri 63401
- d. Lee's Summit, Missouri 64064-8002
- e. Jefferson City, Missouri 65102
- f. Chesterfield, Missouri 63017-5712
- g. Joplin, Missouri 64802
- h. Springfield, Missouri 65801
- i. Willow Springs, Missouri 65793

j. Sikeston, Missouri 63801

2.5 Contract/Purchase Order:

- 2.5.1 The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein. Any change, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the Contractor and the duly authorized representative of the MHTC, by a modified purchase order prior to the effective date of such modification. The Contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification.

2.6 Invoicing and Payment Requirements:

- 2.6.1 The contractor shall submit an itemized invoice to the applicable requesting address for the completion of deliverables, as specified herein.

Missouri Department of Transportation
830 MoDOT Drive
P.O. Box 270
Attn: Stephanie Green
Jefferson City, MO 65102

- 2.6.2 Each invoice should be itemized in accordance with items listed on the purchase order and/or contract. The statewide financial management system has been designed to capture certain receipt and payment information. Therefore, each invoice submitted must reference the purchase order number and must be itemized in accordance with items listed on the purchase order. Failure to comply with this requirement may delay processing of invoices for payment.
- 2.6.3 The contractor shall understand and agree MoDOT reserves the right to make contract payments to the contractor through electronic funds transfer (EFT). Therefore, prior to any payments becoming due under the contract, the contractor must return a completed state Vendor Input ACH/EFT Application, which is downloadable from the Vendor Services Portal at: <https://www.vendorservices.mo.gov/vendorservices/Portal/Default.aspx>. Each contractor invoice must be on the contractor's original descriptive business invoice form and must contain a unique invoice number. The invoice number will be listed on the state's Vendor Payment Website to enable the contractor to properly apply state payments to invoices. The contractor must comply with all other invoicing requirements stated in the RFB.
- 2.6.4 The contractor shall be paid in accordance with the firm, fixed prices stated on the pricing page of this document after completion of deliverables specified herein and acceptance by MoDOT.
- 2.6.5 Other than the payment specified above, no other payments or reimbursements shall be made to the contractor for any reason whatsoever.
- 2.6.6 Unless otherwise provided for in the solicitation documents, payment for all equipment, supplies, and/or services required herein shall be made in arrears. The MHTC shall not make any advance deposits.
- 2.6.7 The MHTC assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any authorized quantity is subject to the MHTC's rejection and shall be returned at the contractor's expense.

2.7 Other Contractual Requirements:

- 2.7.1 Contract Period - The contract shall commence from the date of award until March 31, 2013 with up to three (3) one-year renewal option periods, or any portion therein. If the option for renewal is exercised by MoDOT, the

contractor shall agree to all terms and conditions of the RFB and all subsequent amendments. Renewal options are at the sole discretion of MoDOT.

2.7.2 Renewal Periods - If the option for renewal is exercised by MoDOT, the contractor shall agree to all terms and conditions of the RFB and all subsequent amendments. Renewal options are at the sole discretion of MoDOT.

2.7.3 Escalation Clause - In the event the contractor requests a price increase during the contract period, either the original contract period or any contract renewal period, the contractor must provide a written request and documentation justifying the need for a price increase, and the amount of such price increase. MoDOT will review the contractor's written request and documentation, and decide if a price increase is to be granted at that particular time. The contractor shall understand and agree that MoDOT's decision shall be final and without recourse.

a. No price increase shall be granted during the original contract period.

2.7.4 Inspection and Acceptance: MoDOT reserves the right to inspect the equipment at the point of manufacture, intermediate storage point, or at a destination which shall be at the discretion of MoDOT.

- a. No equipment, supplies, and/or services received by MoDOT pursuant to a contract shall be deemed accepted until MoDOT has had reasonable opportunity to inspect said equipment, supplies, and/or services.
- b. All equipment, supplies, and/or services which do not comply with the specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.
- c. The MHTC reserves the right to return any such rejected shipment at the Contractor's expense for full credit or replacement and to specify a reasonable date by which replacements must be received.
- d. The MHTC's right to reject any unacceptable equipment, supplies, and/or services shall not exclude any other legal, equitable or contractual remedies the MHTC may have.

2.8 Additional Notifications:

2.8.1 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.

2.8.2 Equipment Trade-In Allowance:

- a. If equipment trade-ins are offered as an option, the trade-in(s) must be negotiated between the District, Division and vendor.
- b. The vendor must be currently under contract with MoDOT.
- c. It will be the responsibility of the vendor to examine the condition of the equipment offered for trade. The vendor must not impose any mandatory requirements or restrictions on equipment disposal.
- d. If the value offered is less than the Division's pre-established minimum price, the Division and District must both approve the trade in value.

- e. Allowance for trade-in(s) will be deducted from the full purchase price in computing the net purchase price. Trade-in(s) will not be available until the receipt and acceptance of the new equipment unless agreed upon by the District.

Trade-In Worksheet Example:

Make/Model of New Equipment:
Full Purchase Price: \$
Make/Model of Trade-In:
Less Trade-In (Deduct): \$
Net Purchase Price: \$

2.8.3 Equipment Refurbishments:

- a. If equipment refurbishments are available, the refurbishment(s) must be negotiated between the district and vendor. The vendor must be currently under contract with MoDOT. It will be the responsibility of the vendor to examine the condition of the equipment offered for refurbishment. The districts must keep accurate records verifying the process.

3. BID SUBMISSION

3.1 Bid Submission Information:

- 3.1.1 All bids must be received in a sealed envelope/package clearly marked "Auger Spreaders".
- 3.1.2 All bids must be received at the office of the RFB Coordinator as outlined in Section 1. "INTRODUCTION AND GENERAL INFORMATION".
- 3.1.3 The bidder may withdraw, modify or correct his/her bid after it has been deposited with MoDOT provided such request is submitted in writing and received at the location designated for the bid opening prior to the date and time specified for opening bids. Such a request received as specified will be attached to the bid and the bid will be considered to have been modified accordingly. No bid may be modified after the date and time specified for the opening of bids.
- 3.1.4 Open Competition / Request For Bid Document:
 - a. It shall be the bidder's responsibility to ask questions, request changes or clarification, or otherwise advise MoDOT if any language, specifications or requirements of an RFB appear to be ambiguous, contradictory, and/or arbitrary, or appear to inadvertently restrict or limit the requirements stated in the RFB to a single source. Any and all communication from bidders regarding specifications, requirements, competitive bid process, etc., must be directed to the buyer from MoDOT, unless the RFB specifically refers the bidder to another contact. Such communication should be received at least three (3) working days prior to the official bid opening date.
 - b. Every attempt shall be made to ensure that the bidder receives an adequate and prompt response. However, in order to maintain a fair and equitable bid process, all bidders will be advised, via the issuance of an amendment to the RFB, of any relevant or pertinent information related to the procurement. Therefore, bidders are advised that unless specified elsewhere in the RFB, any questions received less than three (3) working days prior to the RFB opening date may not be answered.
 - c. Bidders are cautioned that the only official position of the MoDOT is that which is issued by MoDOT in the RFB or an amendment thereto. No other means of communication, whether oral or written, shall be construed as a formal or official response or statement.
 - d. MoDOT monitors all procurement activities to detect any possibility of deliberate restraint of competition, collusion among bidders, price-fixing by bidders, or any other anticompetitive conduct by bidders which appears to violate state and federal antitrust laws. Any suspected violation shall be referred to the Missouri Attorney General's Office for appropriate action.
- 3.1.5 Contract Award: This is a Multiple Award bid and there will be no 'one' bidder awarded each item within this bid. Each individual delivery destination will have sole responsibility for the discretion of all purchasing decisions. Criteria used to determine the "lowest and best" bid are based on price, location of servicing dealers, past performance of servicing dealers, and past performance of different makes and models of backhoes and loaders. This bid will not be awarded solely based on low price per delivery destination. Units must be delivered to the listed delivery destinations but they will have to be serviced at other locations within the district.

4. PRICING PAGE

- 4.1 The bidder shall provide a firm, fixed price below for the original contract period for providing the deliverables/services in accordance with the provisions and requirements of this RFB. All costs associated with providing the required deliverables/services shall be included in the prices stated below.

ITEM # 1: Outright purchase of one (1) new 10' Auger Spreader meeting the attached MoDOT specifications.

MAKE/MODEL _____

EACH \$ _____ (Installed on truck)

EACH \$ _____ (Delivered Price)

ITEM # 2: Outright purchase of one (1) new 13' Auger Spreader meeting the attached MoDOT specifications.

MAKE/MODEL _____

EACH \$ _____ (Installed on truck)

EACH \$ _____ (Delivered Price)

ITEM # 3: Outright purchase of one (1) new 16' Auger Spreader meeting the attached MoDOT specifications.

MAKE/MODEL _____

EACH \$ _____ (Installed on truck)

EACH \$ _____ (Delivered Price)

Delivery will be made approximately _____ days after receipt of order.

Please submit a complete parts and options list with detailed pricing information for each make/model of auger spreaders your company would be willing to provide. Please indicate below the percent (%) discount off Manufacturers' Suggested Retail Prices (MSRP) for all air compressor equipment options available in your data book or pricing guides.

% discount off MSRP for all Data Book or Pricing Guide Options: - % Discount - _____

VENDOR INFORMATION & PREFERENCE CERTIFICATION FORM

Vendor Information

All bidders must furnish **ALL** applicable information requested below

Vendor Name/Mailing Address:	Vendor Contact Information (including area codes):
Email Address:	Phone #:
Printed Name of Responsible Officer or Employee:	Cellular #:
	Fax #:
	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 <u>percentages</u> 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 <u>not</u> 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.	
<u>Veteran Information</u>	<u>Business Information</u>
Service-Disabled Veteran's Name (Please Print)	Service-Disabled Veteran Business Name
Service-Disabled Veteran's Signature	Missouri Address of Service Disabled Veteran Business

NOTICE OF COOPERATIVE PURCHASING

MODOT IS INTERESTED IN ASSISTING MISSOURI GOVERNMENTAL ENTITIES, ETC. IN PURCHASING EQUIPMENT, VARIOUS MATERIALS, AND SUPPLIES THAT MEET THE MISSOURI DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

Each bidder is asked to indicate below whether they would be willing to offer **Auger Spreaders** listed in the attached "Request for Bid" for sale to these local political entities at the same bid price offered to MoDOT.

It is understood MoDOT 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 **Auger Spreaders** meeting MoDOT 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 MoDOT 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 _____

E-MAIL _____

PHONE NUMBER _____

SIGNATURE _____

TITLE _____

DATE _____

ANTI-COLLUSION STATEMENT

STATE OF _____)

_____)

COUNTY OF _____)

SS.

_____ being first

duly sworn, deposes and says that he is _____
Title of Person Signing

of _____

Name of Bidder

that all statements made and facts set out in the bid for the above project are true and correct; and that the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

By _____

By _____

By _____

Sworn to before me this _____ day of _____, 20_____.

Notary Public

My Commission Expires _____

10-FOOT SKID-MOUNTED MATERIALS SPREADER

1. GENERAL

The following specifications shall apply to the 10-foot skid-mounted, hydraulic driven, materials spreader body. The materials spreader shall be a self-contained, 304 stainless steel, V hopper type. ***The materials spreader shall be compatible with the Western style and multipurpose dump body dimensions included with the bid documents.*** The spreader shall be capable of spreading uniformly all types of granular materials: salt, cinders, chemicals, abrasives, and mixtures of these up to a width of 40 feet.

- A. The body shall be manufactured into a common unit in accordance with good commercial practices.
- B. All stainless steel shall be welded using stainless welding wire.
- C. All stainless steel shall be left unpainted.
- D. Any carbon steel components shall be chemically cleaned and coated with a lead-free primer and painted with lead-free gray enamel.
- E. Unit is to be complete, assembled, and ready to operate.
- F. If the spreader is purchased as an option for a tandem axle dump truck, the spreader shall be mounted in the truck, ready to operate.
- G. The manufacturer's standard warranty against defective parts, material, and workmanship shall be furnished. A copy of the warranty is to be attached to the bid.

2. BODY

The body is to be 100% welded on the inside. Cross-member and side-support spacing deviations may be allowed if necessary for component installation. MoDOT must pre-approve any changes.

- A. The spreader body shall have a minimum of five (5) cubic yards struck capacity.
- B. The spreader shall have an inside body length of 10 feet at the top.
- C. The overall height shall not to exceed 56 inches to the top of the center screen support beam.
- D. The top inside width shall not be less than 78 inches.
- E. The sidewalls must be sloped at approximately a 45-degree angle.
- F. The rear wall may be sloped up to a maximum of 15 degrees.
- G. The front wall may be sloped up to a maximum of 15 degrees. Front wall construction shall be such that there is no possible way for material to leak out of the front of the spreader body.
- H. The body shall be constructed of a minimum 12-gauge 304 stainless steel.
- I. The body shall have a minimum of five (5) cross-members and side supports spaced 12 inches from body ends on 24-inch centers.
- J. The body long sill, cross-members and full-length steel channel skids shall be a minimum of 7-gauge 304 stainless steel.
- K. The body side supports shall be a minimum of 12-gauge 304 stainless steel.
- L. An adjustable in height stainless steel inverted vee shall be provided to keep material load off the auger for easier auger start-up.

- M. The body shall be equipped with a safety interlock system to prevent power from reaching the auger drive motor when the auger cover and/or top screens are opened beyond the normal operating position.

3. TOP GRATE SCREENS

- A. The body is to have a top-grate screen grid, having at least four (4) sections, two on each side.
- B. Screens shall be hinged at the center support beam of the spreader body for easy handling.
- C. Screens shall be made of either 3/8-inch diameter rods centered on crossbars or 3/8-inch diameter woven wire on heavy-duty frames. Screen openings to be approximately 2-1/2 inches x 2-1/2 inches.
- D. The center support beam must be a minimum 2 inch x 6 inch steel tube with a minimum 3/16-inch thickness.
- E. The center support beam shall be raised above the top of the body to prevent material build-up on top of the screens.

4. TIE DOWN/LIFTING BRACKETS

- A. The body shall have not less than four (4) 10-gauge minimum stainless steel hold down brackets designed for four-inch nylon straps with flat hooks, two on each side. The placement of the hold down brackets must comply with the Western style and multipurpose dump body dimensions included with the bid documents.
- B. A 10-gauge minimum stainless steel lift hook/bracket shall be installed on the front and rear face of the body at each upper corner to allow for easy handling when loading or unloading.

5. AUGER TUBE

- A. Auger tube shall be 4"OD pipe, with a minimum wall thickness of .25".
- B. The front of the auger tube shall have a 2" cold roll end shaft welded to a 3/8" minimum thickness end plate. Both shall be continuous welded.
- C. The front end shaft of the auger shall be supported by a 4-bolt flange, heavy duty, sealed, self-aligning bearing. Bearing must be greasable from the rear of the spreader body.
- D. The rear of the auger tube shall be supported entirely by the hydraulic drive motor by means of a splined, greasable coupler continuous welded to the rear of the auger tube. Grease fitting must grease motor splines and coupler splines.
- E. No center support bearings will be allowed.

6. AUGER FLIGHTING

- A. Auger flighting shall have a minimum thickness of 1/2", and an outside diameter of 7". Flighting shall be continuous welded to the tube.
- B. Auger flighting shall have the outer edge hard-surfaced by an electric arc welding process to a minimum #55 Rockwell hardness .
- C. Auger flighting shall have three different pitches in order for the hopper to unload evenly from the front, middle, and rear.

7. AUGER DRIVE MOTOR

- A. Motor shall be a heavy duty roller stator type, have a splined output shaft, 4-bolt mounting, with O-ring ports.
- B. Motor shall be rated for a maximum system pressure of at least 2350psi, have a displacement of 64 cubic inches, and be rated for a maximum of 25 gpm oil flow.
- C. Motor shall be mounted using a floating mount to prevent minimal differences in spline alignment between the auger and motor from damaging either component.

8. AUGER FEED RATE

- A. The rear wall of the spreader shall have a feed opening size of approximately 63 square inches.
- B. The auger assembly shall have a minimum theoretical output of .135 cubic feet of material per revolution.
- C. The auger and motor assembly shall produce a minimum theoretical output of 7.29 cubic feet per minute of material at 15 gpm oil flow.

9. DROP CHUTE AND SPINNER

- A. The drop chute shall be made of a minimum of 12-gauge stainless steel.
- B. The drop chute shall bolt to the rear of the auger trough.
- C. The chute shall be fully enclosed and include an operator-adjustable deflector at the bottom to change the flow of material from the middle of the chute to one side or the other.
- D. The bottom of the chute shall have a hood with operator-adjustable material deflectors installed on each side and rear of the drop chute.
- E. The spinner shall be securely mounted at the bottom of the chute. Spinner motor mounting brackets shall be a minimum of 7-gauge stainless steel.
- F. The spinner shall be operated by a high torque, low speed geroller type hydraulic motor with o-ring thread ports.
- G. The height of the spinner disk shall be adjustable with an ideal height of 18 inches above the ground.
- H. Spinner disk shall be 18 inches in diameter, made from 7 ga. steel, and have six replaceable formed 7 ga steel fins.

10. HYDRAULIC HOSES AND COUPLERS

- A. All hydraulic hoses shall be rated for 3000 psi working pressure.
- B. Hydraulic hoses shall be long enough to be routed from their respective connection point on the spreader to the male hydraulic couplers mounted in the left rear corner of the dump body.
- C. Hoses shall be routed up to the upper left rear corner of the spreader body and secured at a point to allow the hoses to go over the side of the dump body and down to the male couplers at the left rear corner of the dump body.
- D. The return circuit for the conveyor and spinner motor shall be "feed" together on the spreader and run together in a common return hose to the truck coupler.
- E. Hydraulic hoses shall be sized as follows:

1. Auger hose shall be 3/4-inch ID with female JIC swivels at both ends. Hose shall have a 3/4-inch female FD45-1003-12-12 coupler attached.
 2. Spinner hose shall be 1/2-inch ID with female JIC swivels at both ends. Hose shall have a 1/2-inch female FD45-1003-8-10 coupler attached.
- F. Spreader return hose shall be 1-inch ID with female JIC swivels at both ends. Hose shall have a 1-inch female FD45-1003-16-16 coupler attached.

11. LIQUID CHEMICAL STORAGE

- A. Two (2) side-mounted, 100-gallon polyethylene reservoir tanks, one per side, shall be provided.
- B. A minimum of a 3-inch top fill port with splash proof vent, and a 3/4-inch suction port shall be molded into each tank.
- C. Both tanks shall be plumbed together with a minimum 1-1/2" ID hose and a tee located at the left rear corner of the spreader.

12. CONSPICUITY

Spreader shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines included in the bid documents.

OPTIONS

1. Option for dual auger configuration

Specifications for a dual auger configuration spreader and its individual components shall be the same as the single auger base spreader unless otherwise specified.

*Drive system shall consist of two hydraulic motors plumbed in parallel. Gearboxes will not be allowed.

*Feed rate for dual auger configuration shall be at least double that listed for the single auger.

*Inverts over the augers are optional.

2. Option for fold-up spinner chute

Specifications for a fold-up spinner chute configuration and its individual components shall be the same as the regular spinner chute unless otherwise specified.

- a. Chute shall fold up and to the left from the bottom of the auger trough.
- b. Spinner hose configuration shall consist of quick couplers to facilitate folding operation.

3. Option for spreader stand

Stand shall be permanently mounted to the spreader, and allow for installation of spreader in the truck, removal of spreader from the truck, and storage of the spreader without the use of additional tools or components.

- * Stand shall be full length of the spreader
- * Stand shall be between 72"-76" wide
- * Stand configuration at the rear of the spreader shall protect the spinner chute from damage in the event of a rear-end collision
- * All movable points of the stand shall be greasable

4. Option for an auger sensor

- a. Sensor shall have sealed connections that meet ISO IP68 and NEMA 6 ratings
- b. Sensor shall be digital, and compatible with Component Technology GL400 and ACS systems.

13-FOOT SKID-MOUNTED MATERIALS SPREADER

1. GENERAL

The following specifications shall apply to the 13-foot skid-mounted, hydraulic driven, materials spreader body. The materials spreader shall be a self-contained, 304 stainless steel, V hopper type. The materials spreader shall be compatible with the Western style dump body dimensions included with the bid documents. The spreader shall be capable of spreading uniformly all types of granular materials: salt, cinders, chemicals, abrasives, and mixtures of these up to a width of 40 feet.

- A. The body shall be manufactured into a common unit in accordance with good commercial practices.
- B. All stainless steel shall be welded using stainless welding wire.
- C. All stainless steel shall be left unpainted.
- D. Any carbon steel components shall be chemically cleaned and coated with a lead-free primer and painted with lead-free gray enamel.
- E. Unit is to be complete, assembled, and ready to operate.
- F. If the spreader is purchased as an option for a tandem axle dump truck, the spreader shall be mounted in the truck, ready to operate.
- G. The manufacturer's standard warranty against defective parts, material, and workmanship shall be furnished. A copy of the warranty is to be attached to the bid.

2. BODY

The body is to be 100% welded on the inside. Cross-member and side-support spacing deviations may be allowed if necessary for component installation. MoDOT must pre-approve any changes.

- A. The spreader body shall have a minimum of nine (9) cubic yards struck capacity.
- B. The spreader shall have an inside body length of 13 feet at the top.
- C. The overall height shall not to exceed 56 inches to the top of the center screen support beam.
- D. The top inside width shall not be less than 78 inches.
- E. The sidewalls must be sloped at approximately a 45-degree angle.
- F. The rear wall may be sloped up to a maximum of 15 degrees.
- G. The front wall may be sloped up to a maximum of 15 degrees. Front wall construction shall be such that there is no possible way for material to leak out of the front of the spreader body.
- H. The body shall be constructed of a minimum 12-gauge 304 stainless steel.
- I. The body shall have a minimum of six (6) cross-members and side supports spaced 12 inches from body ends on 24-inch centers.
- J. The body long sill, cross-members and full-length steel channel skids shall be a minimum of 7-gauge 304 stainless steel.
- K. The body side supports shall be a minimum of 12-gauge 304 stainless steel.
- L. An adjustable in height stainless steel inverted vee shall be provided to keep material load off the auger for easier auger start-up.
- M. The body shall be equipped with a safety interlock system to prevent power from reaching the auger drive motor when the auger cover and/or top screens are opened beyond the normal operating position.

3. TOP GRATE SCREENS

- A. The body is to have a top-grate screen grid, having at least six (6) sections, three on each side.
- B. Screens shall be hinged at the center support beam of the spreader body for easy handling.
- C. Screens shall be made of either 3/8-inch diameter rods centered on crossbars or 3/8-inch diameter woven wire on heavy-duty frames. Screen openings to be approximately 2-1/2 inches x 2-1/2 inches.
- D. The center support beam must be a minimum 2 inch x 6 inch steel tube with a minimum 3/16-inch thickness.
- E. The center support beam shall be raised above the top of the body to prevent material build-up on top of the screens.

4. TIE DOWN/LIFTING BRACKETS

- A. The body shall have not less than four (4) 10-gauge minimum stainless steel hold down brackets designed for four-inch nylon straps with flat hooks, two on each side. The placement of the hold down brackets must comply with the Western style dump body dimensions included with the bid documents.
- B. A 10-gauge minimum stainless steel lift hook/bracket shall be installed on the front and rear face of the body at each upper corner to allow for easy handling when loading or unloading.

5. AUGER TUBE

- A. Auger tube shall be 4"OD pipe, with a minimum wall thickness of .25".
- B. The front of the auger tube shall have a 2" cold roll end shaft welded to a 3/8" minimum thickness end plate. Both shall be continuous welded.
- C. The front end shaft of the auger shall be supported by a 4-bolt flange, heavy duty, sealed, self-aligning bearing. Bearing must be greasable from the rear of the spreader body.
- D. The rear of the auger tube shall be supported entirely by the hydraulic drive motor by means of a splined, greasable coupler continuous welded to the rear of the auger tube. Grease fitting must grease motor splines and coupler splines.
- E. No center support bearings will be allowed.

6. AUGER FLIGHTING

- A. Auger flighting shall have a minimum thickness of 1/2", and an outside diameter of 7". Flighting shall be continuous welded to the tube.
- B. Auger flighting shall have the outer edge hard-surfaced by an electric arc welding process to a minimum #55 Rockwell hardness.
- C. Auger flighting shall have three different pitches in order for the hopper to unload evenly from the front, middle, and rear.

7. AUGER DRIVE MOTOR

- A. Motor shall be a heavy duty roller stator type, have a splined output shaft, 4-bolt mounting, with O-ring ports .
- B. Motor shall be rated for a maximum system pressure of at least 2350psi, have a displacement of 64 cubic inches, and be rated for a maximum of 25 gpm oil flow.
- C. Motor shall be mounted using a floating mount to prevent minimal differences in spline alignment between the auger and motor from damaging either component.

8. AUGER FEED RATE

- A. The rear wall of the spreader shall have a feed opening size of approximately 63 square inches.
- B. The auger assembly shall have a minimum theoretical output of .135 cubic feet of material per revolution.
- C. The auger and motor assembly shall produce a minimum theoretical output of 7.29 cubic feet per minute of material at 15 gpm oil flow.

9. DROP CHUTE AND SPINNER

- A. The drop chute shall be made of a minimum of 12-gauge stainless steel.
- B. The drop chute shall bolt to the rear of the auger trough.
- C. The chute shall be fully enclosed and include an operator-adjustable deflector at the bottom to change the flow of material from the middle of the chute to one side or the other.
- D. The bottom of the chute shall have a hood with operator-adjustable material deflectors installed on each side and rear of the drop chute.
- E. The spinner shall be securely mounted at the bottom of the chute. Spinner motor mounting brackets shall be a minimum of 7-gauge stainless steel.
- F. The spinner shall be operated by a high torque, low speed geroller type hydraulic motor with o-ring thread ports.
- G. The height of the spinner disk shall be adjustable with an ideal height of 18 inches above the ground.
- H. Spinner disk shall be 18 inches in diameter, made from 7 ga. steel, and have six replaceable formed 7 ga steel fins.

10. HYDRAULIC HOSES AND COUPLERS

- A. All hydraulic hoses shall be rated for 3000 psi working pressure.
- B. Hydraulic hoses shall be long enough to be routed from their respective connection point on the spreader to the male hydraulic couplers mounted in the left rear corner of the dump body.
- C. Hoses shall be routed up to the upper left rear corner of the spreader body and secured at a point to allow the hoses to go over the side of the dump body and down to the male couplers at the left rear corner of the dump body.
- D. The return circuit for the conveyor and spinner motor shall be "teed" together on the spreader and run together in a common return hose to the truck coupler.
- E. Hydraulic hoses shall be sized as follows:

1. Auger hose shall be 3/4-inch ID with female JIC swivels at both ends. Hose shall have a 3/4-inch female FD45-1003-12-12 coupler attached.
 2. Spinner hose shall be 1/2-inch ID with female JIC swivels at both ends. Hose shall have a 1/2-inch female FD45-1003-8-10 coupler attached.
- F. Spreader return hose shall be 1-inch ID with female JIC swivels at both ends. Hose shall have a 1-inch female FD45-1003-16-16 coupler attached.

11. LIQUID CHEMICAL STORAGE

- A. Two (2) side-mounted, 100-gallon polyethylene reservoir tanks, one per side, shall be provided.
- B. A minimum of a 3-inch top fill port with splash proof vent, and a 3/4-inch suction port shall be molded into each tank.
- C. Both tanks shall be plumbed together with a minimum 1-1/2" ID hose and a tee located at the left rear corner of the spreader.

12. CONSPICUITY

Spreader shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines included in the bid documents.

OPTIONS

1. Option for dual auger configuration

Specifications for a dual auger configuration spreader and its individual components shall be the same as the single auger base spreader unless otherwise specified.

*Drive system shall consist of two hydraulic motors plumbed in parallel. Gearboxes will not be allowed.

*Feed rate for dual auger configuration shall be at least double that listed for the single auger.

*Inverts over the augers are optional.

2. Option for fold-up spinner chute

Specifications for a fold-up spinner chute configuration and its individual components shall be the same as the regular spinner chute unless otherwise specified.

- a. Chute shall fold up and to the left from the bottom of the auger trough.
- b. Spinner hose configuration shall consist of quick couplers to facilitate folding operation.

3. Option for spreader stand

Stand shall be permanently mounted to the spreader, and allow for installation of spreader in the truck, removal of spreader from the truck, and storage of the spreader without the use of additional tools or components.

* Stand shall be full length of the spreader

*Stand shall be between 72"-76" wide

- *Stand configuration at the rear of the spreader shall protect the spinner chute from damage in the event of a rear-end collision
- *All movable points of the stand shall be greasable

4. Option for an auger sensor

- a. Sensor shall have sealed connections that meet ISO IP68 and NEMA 6 ratings
- b. Sensor shall be digital, and compatible with Component Technology GL400 and ACS systems.

16-FOOT SKID-MOUNTED MATERIALS SPREADER

1. GENERAL

The following specifications shall apply to the 16-foot skid-mounted, hydraulic driven, materials spreader body. The materials spreader shall be a self-contained, 304 stainless steel, V hopper type. The materials spreader shall be compatible with the Western style dump body dimensions included with the bid documents. The spreader shall be capable of spreading uniformly all types of granular materials: salt, cinders, chemicals, abrasives, and mixtures of these up to a width of 40 feet.

- A. The body shall be manufactured into a common unit in accordance with good commercial practices.
- B. All stainless steel shall be welded using stainless welding wire.
- C. All stainless steel shall be left unpainted.
- D. Any carbon steel components shall be chemically cleaned and coated with a lead-free primer and painted with lead-free gray enamel.
- E. Unit is to be complete, assembled, and ready to operate.
- F. If the spreader is purchased as an option for a tandem axle dump truck, the spreader shall be mounted in the truck, ready to operate.
- G. The manufacturer's standard warranty against defective parts, material, and workmanship shall be furnished. A copy of the warranty is to be attached to the bid.

2. BODY

The body is to be 100% welded on the inside. Cross-member and side-support spacing deviations may be allowed if necessary for component installation. MoDOT must pre-approve any changes.

- A. The spreader body shall have a minimum of eleven (11) cubic yards struck capacity.
- B. The spreader shall have an inside body length of 16 feet at the top.
- C. The overall height shall not to exceed 56 inches to the top of the center screen support beam.
- D. The top inside width shall not be less than 78 inches.
- E. The sidewalls must be sloped at approximately a 45-degree angle.
- F. The rear wall may be sloped up to a maximum of 15 degrees.
- G. The front wall may be sloped up to a maximum of 15 degrees. Front wall construction shall be such that there is no possible way for material to leak out of the front of the spreader body.
- H. The body shall be constructed of a minimum 12-gauge 304 stainless steel.
- I. The body shall have a minimum of eight (8) cross-members and side supports spaced 12 inches from body ends on 24-inch centers.
- J. The body long sill, cross-members and full-length steel channel skids shall be a minimum of 7-gauge 304 stainless steel.
- K. The body side supports shall be a minimum of 12-gauge 304 stainless steel.
- L. An adjustable in height stainless steel inverted vee shall be provided to keep material load off the auger for easier auger start-up.
- M. The body shall be equipped with a safety interlock system to prevent power from reaching the auger drive motor when the auger cover and/or top screens are opened beyond the normal operating position.

3. TOP GRATE SCREENS

- A. The body is to have a top-grate screen grid, having at least eight (8) sections, four on each side.
- B. Screens shall be hinged at the center support beam of the spreader body for easy handling.
- C. Screens shall be made of either 3/8-inch diameter rods centered on crossbars or 3/8-inch diameter woven wire on heavy-duty frames. Screen openings to be approximately 2-1/2 inches x 2-1/2 inches.
- D. The center support beam must be a minimum 2 inch x 6 inch steel tube with a minimum 3/16-inch thickness.
- E. The center support beam shall be raised above the top of the body to prevent material build-up on top of the screens.

4. TIE DOWN/LIFTING BRACKETS

- A. The body shall have not less than four (4) 10-gauge minimum stainless steel hold down brackets designed for four-inch nylon straps with flat hooks, two on each side. The placement of the hold down brackets must comply with the Western style dump body dimensions included with the bid documents.
- B. A 10-gauge minimum stainless steel lift hook/bracket shall be installed on the front and rear face of the body at each upper corner to allow for easy handling when loading or unloading.

5. AUGER TUBE

- A. Auger tube shall be 4"OD pipe, with a minimum wall thickness of .25".
- B. The front of the auger tube shall have a 2" cold roll end shaft welded to a 3/8" minimum thickness end plate. Both shall be continuous welded.
- C. The front end shaft of the auger shall be supported by a 4-bolt flange, heavy duty, sealed, self-aligning bearing. Bearing must be greasable from the rear of the spreader body.
- D. The rear of the auger tube shall be supported entirely by the hydraulic drive motor by means of a splined, greasable coupler continuous welded to the rear of the auger tube. Grease fitting must grease motor splines and coupler splines.
- E. No center support bearings will be allowed.

6. AUGER FLIGHTING

- A. Auger flighting shall have a minimum thickness of 1/2", and an outside diameter of 7". Flighting shall be continuous welded to the tube.
- B. Auger flighting shall have the outer edge hard-surfaced by an electric arc welding process to a minimum #55 Rockwell hardness.
- C. Auger flighting shall have three different pitches in order for the hopper to unload evenly from the front, middle, and rear.

7. AUGER DRIVE MOTOR

- A. Motor shall be a heavy duty roller stator type, have a splined output shaft, 4-bolt mounting, with O-ring ports .
- B. Motor shall be rated for a maximum system pressure of at least 2350psi, have a displacement of 64 cubic inches, and be rated for a maximum of 25 gpm oil flow.
- C. Motor shall be mounted using a floating mount to prevent minimal differences in spline alignment between the auger and motor from damaging either component.

8. AUGER FEED RATE

- A. The rear wall of the spreader shall have a feed opening size of approximately 63 square inches.
- B. The auger assembly shall have a minimum theoretical output of .135 cubic feet of material per revolution.
- C. The auger and motor assembly shall produce a minimum theoretical output of 7.29 cubic feet per minute of material at 15 gpm oil flow.

9. DROP CHUTE AND SPINNER

- A. The drop chute shall be made of a minimum of 12-gauge stainless steel.
- B. The drop chute shall bolt to the rear of the auger trough.
- C. The chute shall be fully enclosed and include an operator-adjustable deflector at the bottom to change the flow of material from the middle of the chute to one side or the other.
- D. The bottom of the chute shall have a hood with operator-adjustable material deflectors installed on each side and rear of the drop chute.
- E. The spinner shall be securely mounted at the bottom of the chute. Spinner motor mounting brackets shall be a minimum of 7-gauge stainless steel.
- F. The spinner shall be operated by a high torque, low speed geroller type hydraulic motor with o-ring thread ports.
- G. The height of the spinner disk shall be adjustable with an ideal height of 18 inches above the ground.
- H. Spinner disk shall be 18 inches in diameter, made from 7 ga. steel, and have six replaceable formed 7 ga steel fins.

10. HYDRAULIC HOSES AND COUPLERS

- A. All hydraulic hoses shall be rated for 3000 psi working pressure.
- B. Hydraulic hoses shall be long enough to be routed from their respective connection point on the spreader to the male hydraulic couplers mounted in the left rear corner of the dump body.
- C. Hoses shall be routed up to the upper left rear corner of the spreader body and secured at a point to allow the hoses to go over the side of the dump body and down to the male couplers at the left rear corner of the dump body.
- D. The return circuit for the conveyor and spinner motor shall be "teed" together on the spreader and run together in a common return hose to the truck coupler.
- E. Hydraulic hoses shall be sized as follows:

1. Auger hose shall be 3/4-inch ID with female JIC swivels at both ends. Hose shall have a 3/4-inch female FD45-1003-12-12 coupler attached.
 2. Spinner hose shall be 1/2-inch ID with female JIC swivels at both ends. Hose shall have a 1/2-inch female FD45-1003-8-10 coupler attached.
- F. Spreader return hose shall be 1-inch ID with female JIC swivels at both ends. Hose shall have a 1-inch female FD45-1003-16-16 coupler attached.

11. LIQUID CHEMICAL STORAGE

- A. Two (2) side-mounted, 100-gallon polyethylene reservoir tanks, one per side, shall be provided.
- B. A minimum of a 3-inch top fill port with splash proof vent, and a 3/4-inch suction port shall be molded into each tank.
- C. Both tanks shall be plumbed together with a minimum 1-1/2" ID hose and a tee located at the left rear corner of the spreader.

12. CONSPICUITY

Spreader shall be outfitted with DOT-C2 11-inch red/7-inch white parabolic retro-reflective conspicuity tape (Reflexite or equal) as per MoDOT guidelines included in the bid documents.

OPTIONS

1. Option for dual auger configuration

Specifications for a dual auger configuration spreader and its individual components shall be the same as the single auger base spreader unless otherwise specified.

*Drive system shall consist of two hydraulic motors plumbed in parallel. Gearboxes will not be allowed.

*Feed rate for dual auger configuration shall be at least double that listed for the single auger.

*Inverts over the augers are optional.

2. Option for fold-up spinner chute

Specifications for a fold-up spinner chute configuration and its individual components shall be the same as the regular spinner chute unless otherwise specified.

- a. Chute shall fold up and to the left from the bottom of the auger trough.
- b. Spinner hose configuration shall consist of quick couplers to facilitate folding operation.

3. Option for spreader stand

Stand shall be permanently mounted to the spreader, and allow for installation of spreader in the truck, removal of spreader from the truck, and storage of the spreader without the use of additional tools or components.

* Stand shall be full length of the spreader

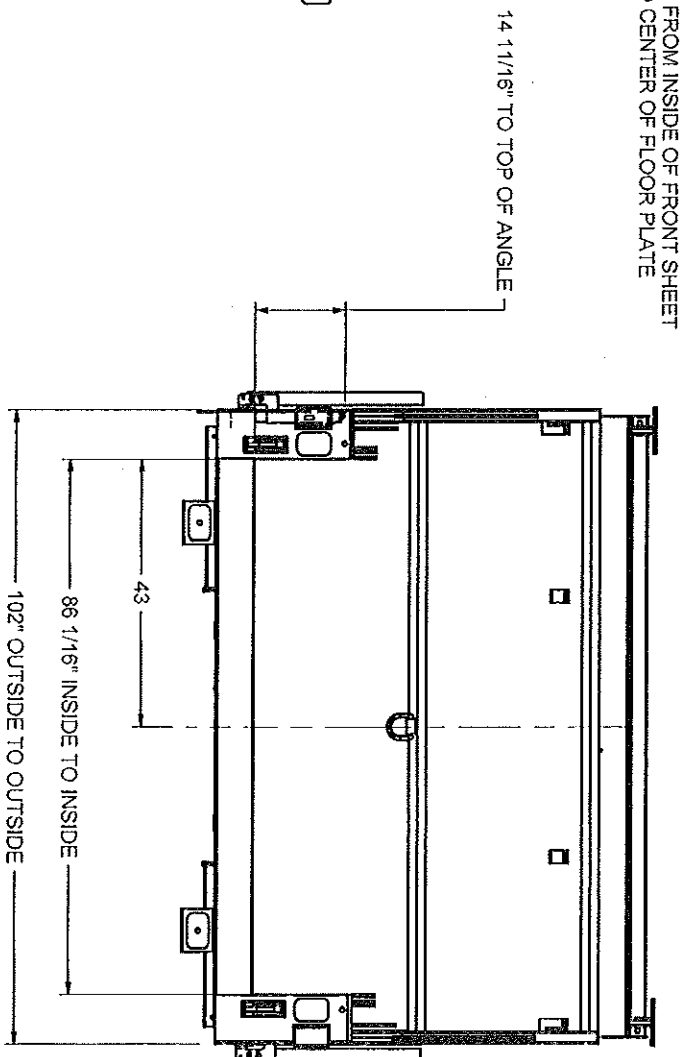
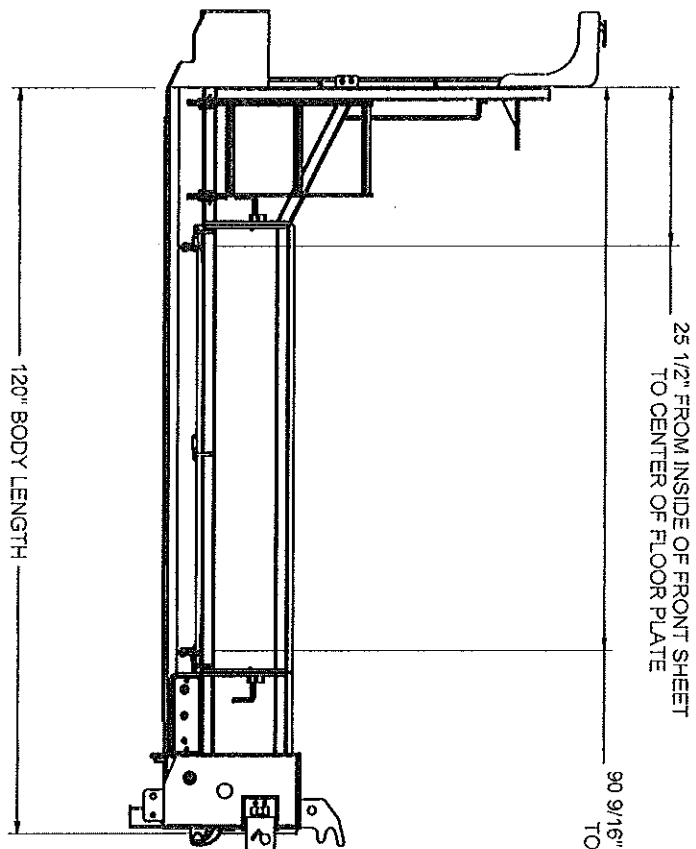
*Stand shall be between 72"-76" wide



*Stand configuration at the rear of the spreader shall protect the spinner chute from damage in the event of a rear-end collision

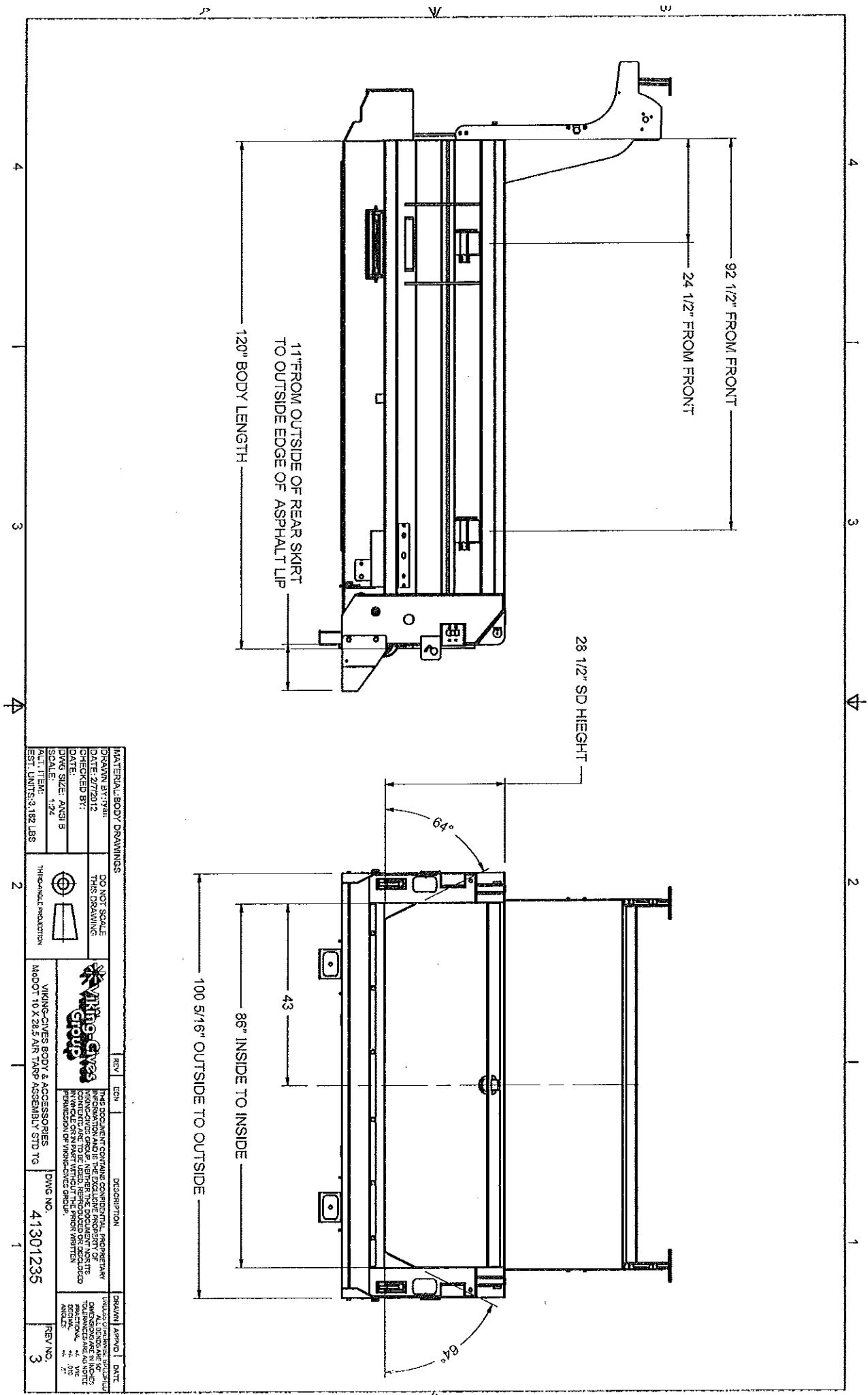
*All movable points of the stand shall be greasable


4. Option for an auger sensor

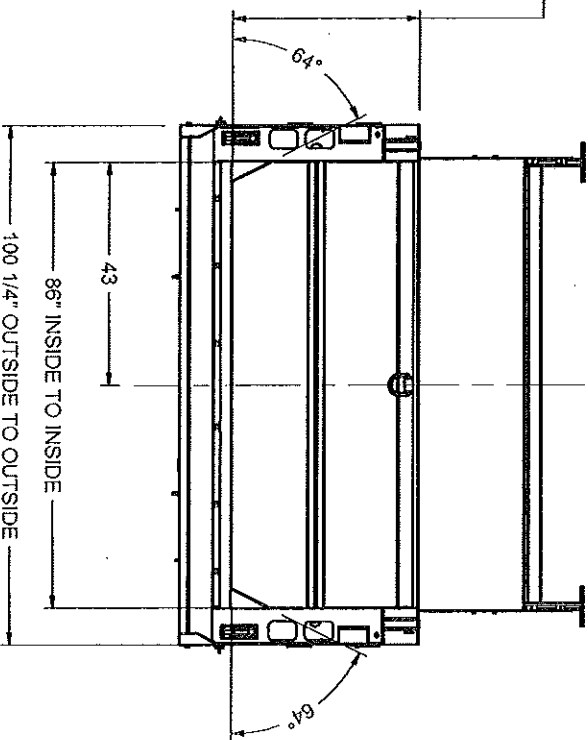
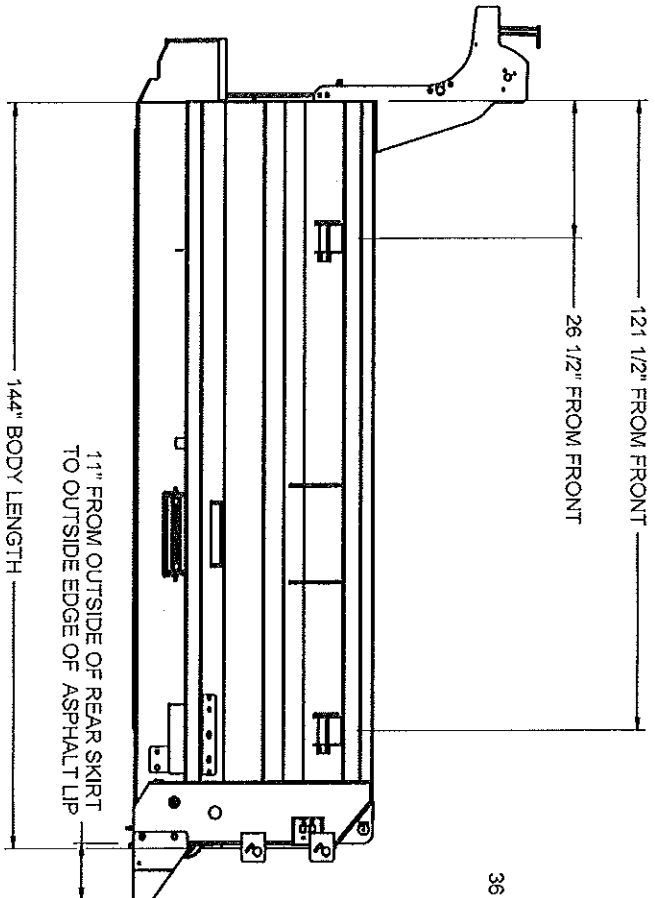
- a. Sensor shall have sealed connections that meet ISO IP68 and NEMA 6 ratings
- b. Sensor shall be digital, and compatible with Component Technology GL400 and ACS systems.



MATERIAL BODY DRAWINGS			
DRAWN BY: JYB	REV	ECN	DESCRIPTION
DATE: 2/7/2012	1		THIS DRAWING
CHECKED BY:			
DATE:			
DWG SIZE: ANSI B			
SCALE: 1/2"			
ALT. ITEM:			
EST. UNITS: 2,752 LBS			
			
			
VIKING-CRUIS BODY & ACCESSORIES 2010 102" DROPSIDE BODY ASSEMBLY			
DWG NO.			
41301254			
REV NO.			
2			



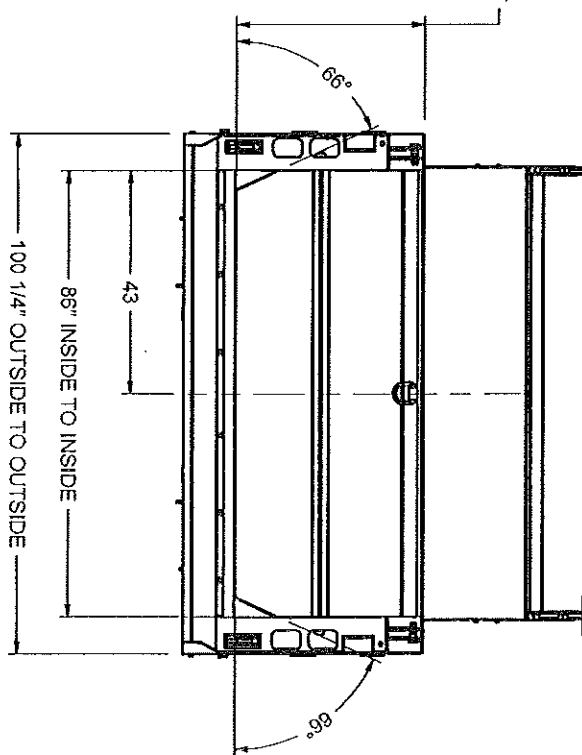
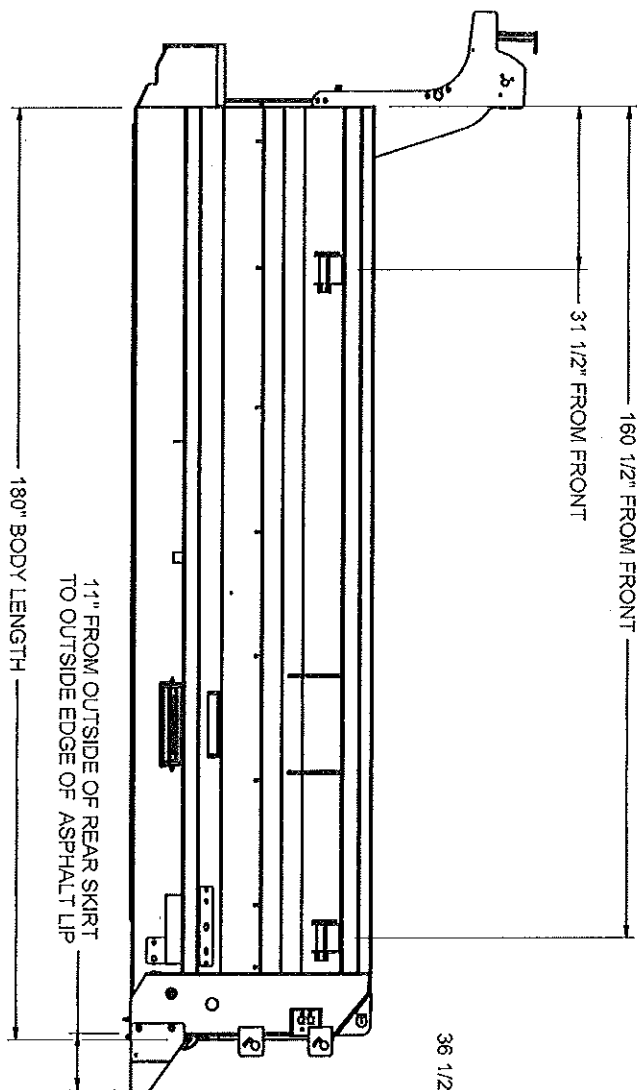
MATERIAL BODY DRAWINGS				DRAWING		DATE	
DO NOT SCALE THIS DRAWING			THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION AND IS THE EXCLUSIVE PROPERTY OF THE VIKING-CIVICS GROUP. IT IS TO BE USED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN PERMISSION OF VIKING-CIVICS GROUP.	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DIMENSIONS ARE IN INCHES	
				FRACTIONS ARE TO BE USED		DECIMALS ARE TO BE USED	
				FRACTIONS ARE TO BE USED		DECIMALS ARE TO BE USED	
				FRACTIONS ARE TO BE USED		DECIMALS ARE TO BE USED	
				FRACTIONS ARE TO BE USED		DECIMALS ARE TO BE USED	
THIRANGE PRODUCTION		VIKING-CIVICS BODY & ACCESSORIES		DWG NO.		REV NO.	
ModOT 10 X 28.5 AIR TARP ASSEMBLY STD TG		41301235		3			





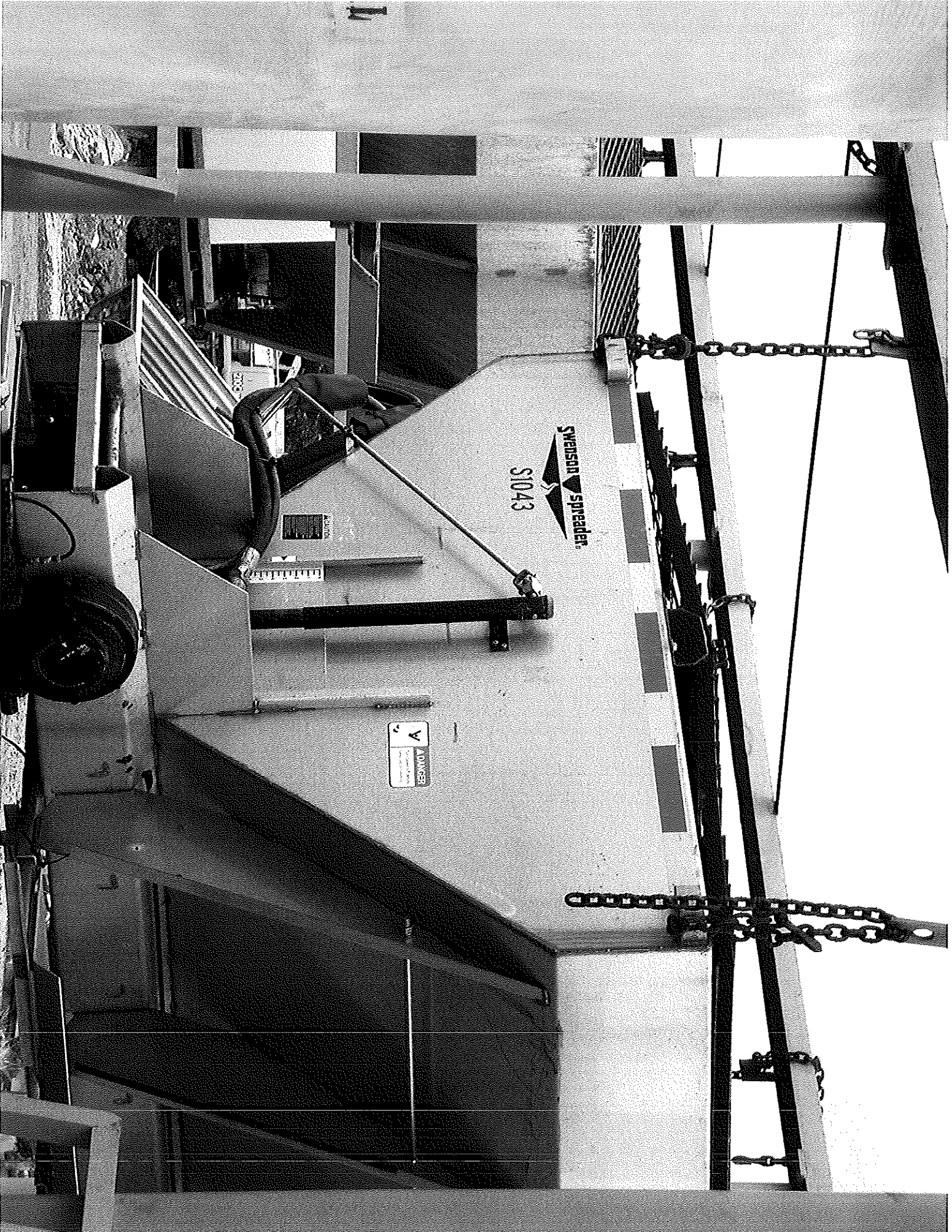
MATERIAL BODY DRAWINGS			
DRAWN BY: YAH	REV	ECN	DESCRIPTION
DATE: 2/7/2012			
CHECKED BY:			
DATE:			
DWG SIZE: ANSI B			
SCALE: 1:24			
ALT. ITEM:			
EST. UNITS: 3,800 LBS			
DO NOT SCALE THIS DRAWING			
VIKING-GIVES BODY & ACCESSORIES			
2009 M400T 122 36.5" STD TS AIR BOW ASSY			
DWG NO.			
41301231			
REV NO.			
3			

THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION AND IS THE EXCLUSIVE PROPERTY OF VIKING-GIVES GROUP. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN PERMISSION OF VIKING-GIVES GROUP.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DECIMALS ARE ROUNDED UP. ANGLES ARE IN DEGREES.

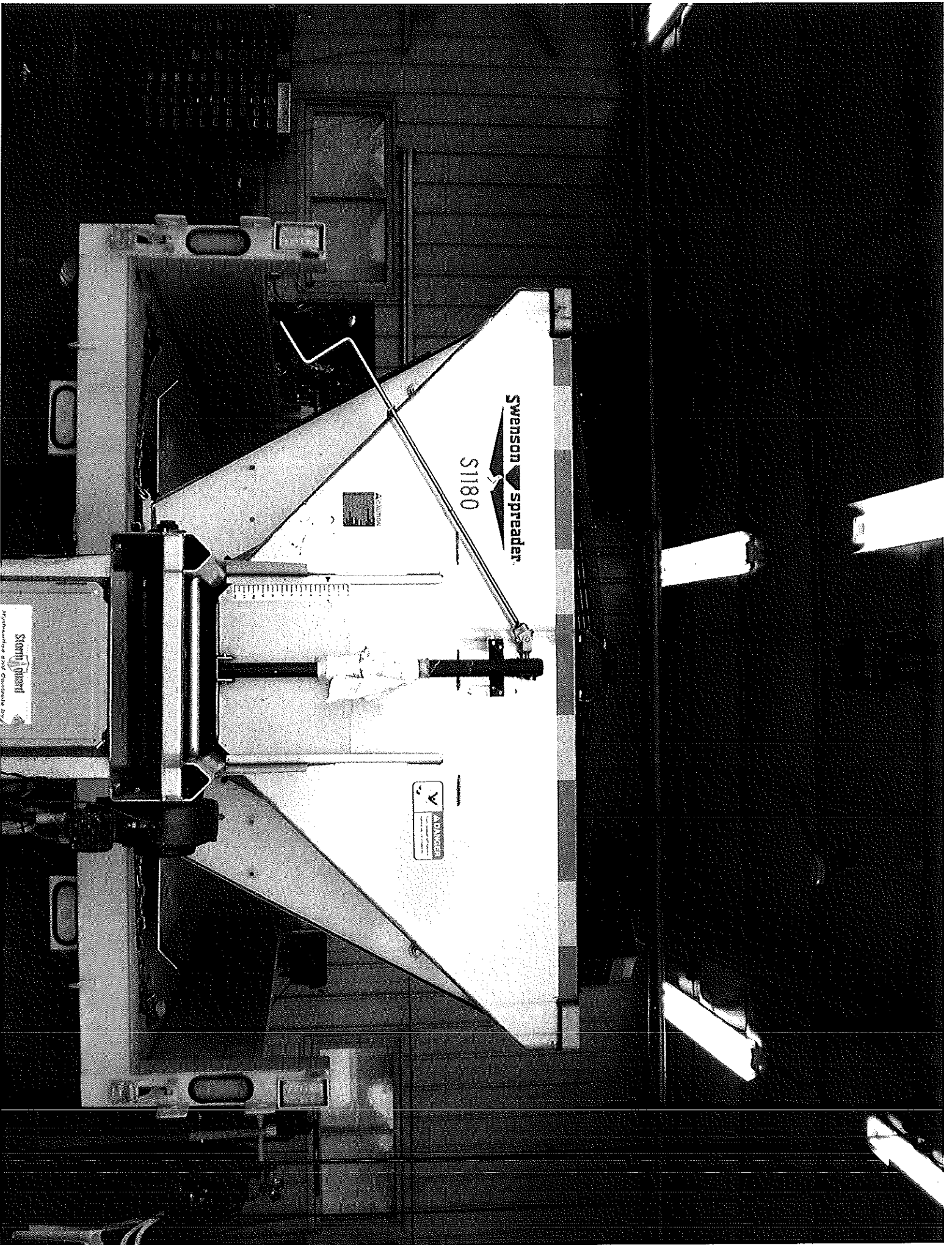


MATERIAL BODY DRAWINGS		REV	CDN	DESCRIPTION	DRAWING APPROV	DATE
DRAWN BY: JAH	DO NOT SCALE					
DATE: 2/27/2012	THIS DRAWING					
CHECKED BY:	ORIGINATING					
DWG SIZE: ANSI B						
SCALE:						
ALT. MEAN:						
EST. UNITS: 4,390 LBS						
THIRD-ANGLE PROJECTION						
						
<p>THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS THE EXCLUSIVE PROPERTY OF WIN-CLIVES GROUP. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION OF WIN-CLIVES GROUP.</p>						
WIN-CLIVES BODY & ACCESSORIES		DWG NO.		41301232		
2008 15 GAL MODUL AIR BOW ASSEMBLY FIG 7C						



Swenson spreader
S1043

ADANGER
A



Missouri Highways and Transportation Commission
Standard Bid/Proposal 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.

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

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.

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.