



Bid Specifications for a

Dump Bed, Hydraulics, & Snow Plow

to be installed on a City Supplied
2.5 Ton Single Axle Cab & Chassis

Bids to be received by

10 am Tuesday May 13, 2014

City of Tipp City
Office of the Service Director
260 S. Garber Drive
Tipp City, Ohio 45371
(937) 667-6305



May 23, 2014

Dear Prospective Bidder,

Please find enclosed a bid packet from the City of Tipp City for a Dump Bed, Hydraulics, Snow Plow, and related equipment for a City supplied 2.5 Ton Single Axle Cab & Chassis. Your consideration for this bid is appreciated.

Should you have any questions, please feel free to contact Jim Asher, Services Superintendent at asherj@tippcity.net or myself at vagedess@tippcity.net or you contact either of us at 937-667-6305.

Thank you.

Sincerely,
City of Tipp City

Scott P. Vagedes P.E.
City Engineer/Service Director



NOTICE TO BIDDERS

Sealed Bids will be received separately for:

- 1) a 2.5 Ton Single Axle Cab & Chassis, and
- 2) a Dump Bed, Hydraulics, & Snow Plow for the above specified 2.5 Ton Single Axle Cab & Chassis

at the Tipp City Government Center, 260 S. Garber Drive, Tipp City, Ohio 45371 until 10:00 am local time on Tuesday, May 13, 2014 at which time they will be publicly opened and read aloud in the City Council Chambers.

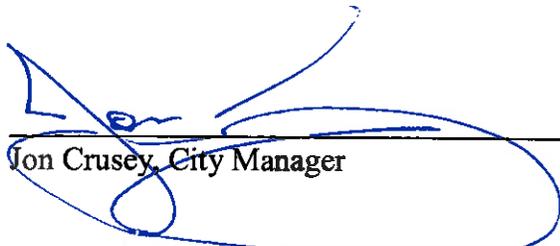
The Bidding Documents, which include specifications may be examined and obtained at no cost to the bidder from the office of Service Director, located within the Tipp City Government Center, 260 S. Garber Drive, Tipp City, Ohio 45371.

All bids shall include a BID GUARANTY as a guarantee that the successful bidder will enter into a contract with the City. The BID GUARANTY shall be a certified check, cashier's check, or letter of credit in the amount equal to 10% of the bid.

No BIDDER shall withdraw his Bid within sixty (60) days after actual opening thereof.

The City of Tipp City reserves the right to reject any or all bids, waive any irregularities in the bids, and to accept any bid which is deemed by the City to be in their best interest.

End



Jon Crusey, City Manager

Advertised in the Tipp Gazette: April 23 & 30, 2014

BID FORM

PROJECT IDENTIFICATION: Dump Bed, Hydraulics, & Snow Plow
(to be installed on the City Supplied 2.5 Ton Single Axle Cab & Chassis)

THIS BID IS SUBMITTED TO: City Service Director
City of Tipp City
260 S. Garber Drive
Tipp City, Ohio 45371

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the Contract Documents to perform and furnish all work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. The Owner reserves the right to accept or reject any or all proposals, to waive any informalities or irregularities in the bids received, or to accept any proposal which is deemed most favorable to the Owner. The Bidder agrees that the Bidder's proposal shall be valid for and may not be withdrawn for a period of 60 days from the receipt of the proposal.

3. Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty days after the day of Bid opening. Bidder will sign and submit the agreement with the Bonds and other documents required by the Bidding Requirements within fifteen days after the date of Owner's Notice of Award.

4. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

(a) Bidder has examined and carefully studied the all of the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged: (List Addenda by Addendum Number and Date)

Addenda No.	Date
_____	_____
_____	_____
_____	_____

(b) Bidder has familiarized itself with the nature and extent of the Bidding Documents, Laws, and Regulations that in any manner may affect cost, performance, vehicle being to specifications or furnishing of the specified equipment.

(c) Bidder is familiar with and is satisfied as to all federal, state, and local Laws, and Regulations that may affect cost, progress, and performance of the Work.

(d) Bidder has reviewed and checked all information and data shown or indicated on the Bidding Documents. Bidder will be required to furnish the item at the Bid Price, within the Contract Time and in accordance with the other terms and conditions of the Bidding Documents.

(e) Bidder has given The City of Tipp City written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents and the written resolution thereof by The City of Tipp City, in reference to the item being bid, is acceptable to Bidder.

(f) Bidder agrees that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the equipment for which this Bid is submitted.

5. Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any Bidder or over Owner.

6. Bidder will provide the item(s) being bid for the unit price(s) set forth in the Bid Proposal.

7. Bidder estimates the delivery of the equipment specified by_____.

8. The following documents are attached to and made a condition of this bid:

(a) Required Bid Security.

Submitted on _____, 20____.

Complete the following if Bidder is:

An Individual:

By _____
(Individual's Name, typed or printed) (Signature)

doing business as _____

Business address _____

Phone Number _____

Federal I.D. Number _____

A Partnership:

(Partnership Name) _____

By _____
(General Partner's Name, typed or printed) (Signature)

Business address _____

Phone Number _____

Federal I.D. Number _____

A Corporation:

By _____
(Corporation Name) (State of Incorporation)

Authorized Signature: _____
(Name & Title, printed) (Signature)

Attest (By Secretary): _____
(Name, printed) (Signature)

Business address _____

Phone Number _____

Federal I.D. Number _____

BID DOCUMENT

CITY OF TIPP CITY, OHIO

A. GENERAL CONDITIONS, INSTRUCTIONS TO BIDDER, INFORMATION

- (1) Sealed bids will be received by the City Manager of the City of Tipp City, Ohio, until 10:00 a.m. on May 13, 2014 and subject to all provisions contained in this bid document. Specifications shall take precedence over the general conditions.
- (2) **Submission of Bids**
 - (a) Bids shall be submitted on the printed blanks provided for that purpose and bound herewith and must be signed.
 - (b) Each bid shall be sealed and addressed to the City Manager of the City of Tipp City, Ohio and shall bear on its face: Dump Bed, Hydraulics, & Snow Plow
 - (c) Bids received after the date & time specified in the advertisement will not be considered.
 - (d) Erasures or corrections may invalidate a bid unless properly noted over the signature of the bidder.
- (3) **Surety**
 - (a) Each bid must be accompanied by a bid bond, certified check or bank cashier's check, drawn on a solvent bank, payable to the City of Tipp City, Ohio in the amount of 10% of bid, as a guarantee that if the bid is accepted, a contract will be entered into. Bid Bonds, checks or cash will be returned to the unsuccessful bidders as soon as the contract is officially awarded by the City Council. The bid bond of the successful bidder will be retained until a contract is signed and approved.
- (4) **Rejection of Bids**
 - (a) The City Manager reserves the right to waive informalities, to reject any or all bids, or to accept any bid which may be deemed to be for the best interest of the City of Tipp City, Ohio.
- (5) **Withdrawal of Bids**
 - (a) No bid shall be withdrawn within sixty (60) days after the scheduled time for opening bids.
- (6) **Infringements and Indemnifications**

- (a) The bidder, if awarded an order or contract, agrees to protect, defend and save the City harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction or form of the work covered by either order or contract and he further agrees to indemnify and save the City harmless from suits or actions of every nature and description brought against it for or on account of any injuries or damages received or sustained by a party or parties, by or from any of the acts of the contractor, his servants, or agents.

(7) Default Provisions

- (a) In case of default by the bidder or contractor, the City of Tipp City may procure the articles or services from any other sources without further advertising and may hold the bidder or contractor responsible for any excess costs occasioned thereby.

(8) Pricing

- (a) Where unit prices are requested and there is a discrepancy in the total amount of the bid, the unit prices shall govern.

(9) Interpretation of the Bid Document

- (a) If any person contemplating submitting a bid is in doubt as to the true meaning of the plans and specifications, he may submit to the City Manager a written request for interpretation thereof. Any interpretation of the proposed specifications will be made only by addenda duly issued, and a copy of such addenda will be mailed to each person receiving a set of specifications. The City Manager will not be responsible for any other explanations of the plans and specifications. Verbal explanations received from any City employee shall not be the basis for any deviations from the specifications.

(10) Taxes

- (a) The City is generally exempt from Federal Excise and Ohio State Sales Taxes. Prices shall not include taxes. If taxes of any kind are applicable, they shall be listed separately on the bid form or in an attachment. Exemption forms, when required, will be executed by the City.

(11) Specifications

- (a) Unless otherwise stated by the bidder, the Proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document.
- (b) Reference to a particular trade name, manufacturer's catalog or model number is made for descriptive purposes to guide the bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or

description unless a departure or substitute is clearly noted and described in the proposal.

(12) Delivery

- (a) All items shall be quoted FOB Tipp City, Ohio.

(13) Inspection

- (a) The City Manager, or his representative will inspect all equipment prior to final acceptance.

GENERAL REQUIREMENTS

Bidder Qualifications

It is the intent of these specifications to acquire the described equipment from a bonafide utility fleet service establishment with experience in providing similar equipment to governmental entities, and capable of providing complete and complex service locally.

Local service shall be defined as being within a 25 mile radius of Tip City, Ohio, and having a representative supply of critical parts on hand with factory trained mechanics having specialized tools on staff for emergency repairs or complete overhaul of the equipment, if required. Bids received from dealerships not meeting these qualifications may not be considered.

Name Plates

All control functions, levers, buttons, switches, etc., shall be clearly labeled as to their function and position.

Manuals

The successful bidder shall furnish two (2) copies of parts, service, maintenance, and repair manuals covering the complete unit upon delivery of the equipment to Tipp City.

Warranty

All equipment furnished shall be warranted for a minimum of 12 months.

Compliance with Specifications

Your bid must be in strict compliance with the specifications, and offer the same or equal equipment. Exceptions are to be listed separately, otherwise, it is fully understood that the equipment furnished shall be exactly as specified.

Use of Brand Names and References

Unless otherwise stated, the use of manufacturer's name and product are for the descriptive purposes and establishing general quality levels only. They are not intended to be restrictive.

Bidders are required to state exactly what they intend to furnish, otherwise it is fully understood that they shall furnish all items as stated.

Brochures and Literature

Your proposal must be accompanied by descriptive literature, marked and indicating the exact items to be furnished. The term "as specified" will not be acceptable.

Please state the nearest authorized service center for parts and maintenance for the equipment you propose to furnish.

I. BIDDER'S PROPOSAL

TO THE CITY OF TIPP CITY, OHIO:

Having carefully examined and read the Bidder's Proposal; Notice of Contractors; General Conditions; Instructions to Bidders; General Information to Bidders; Performance Bond and Contract for the project located in Tipp City, Ohio, and having inspected the premises and all the conditions affecting the work and having examined the Performance Bond, necessary to the performance and completion of such item or items as are enumerated below, all to be in full accordance with the documents named above, and further, that each separate item of trade or employment entered in this Proposal, which has been duly filled out by

(Firm) (By) (Title)

shall be considered as a separate Bid for that kind of work and the undersigned further agrees that if any or all of said Bid be accepted.

(Firm)

will enter into a contract according to the regular form required by the City of Tipp City in matters of this nature for the faithful performance of labor and furnishing of materials included in such Bid or Bids so accepted, and furnish a good and sufficient Bond to the satisfaction of the City of Tipp City in an amount equal to one hundred percent (100%) of the Contract price for the faithful performance of such Contract as required by law and the rules of the City of Tipp City.

Note: The Bidder will sign his Bid on the line indicated above. If it be a partnership, the Firm name will be signed followed by the signature and official title of the officer signing name.

Pursuant to the applicable provisions of the Revised Code, the City of Tipp City has ordered that the prices for labor and material be separately stated. Bidders will govern themselves accordingly.

CONTRACT

BETWEEN
THE CITY OF TIPP CITY
PARTY OF THE FIRST PART

AND

PARTY OF THE SECOND PART

Street

City, State Zip

INSTRUCTIONS FOR EXECUTING CONTRACT:

CONTRACT: The contract must be signed in full by the Contractor with his usual signature and title, and the original, together with copies of same, returned to the City Manager, Tipp City, Ohio. One copy will be returned to the Contractor when finally executed by the City. This contract shall be deemed null and void if not duly authorized and made effective by legislation of the City Council of Tipp City.

CORPORATION: If a corporation, must be signed with the full name of the corporation, followed by the signature of the President, Vice-President, or a person authorized to bind it in the matter. Should other than the President or Vice-President sign the contract, authorization to bind the company must be evidenced by attaching a certified copy of the extracts of the minutes of this corporation.

PARTNERSHIP: If a partnership, the full name of the partners composing the same must be given and the contract signed by one or more of the partners in the following manner:

“John Jones and James Smith, dba, as
Jones-Smith Company, by John Jones, a partner.”

SOLE OWNERSHIP: If a sole ownership, contract should be signed in the following manner:
“John Jones, Sole Owner.”

BOND OR CERTIFIED CHECK: A bond or certified check must be submitted by the Contractor to guarantee the faithful performance of this contract.

INSTRUCTIONS FOR THE EXECUTING PERFORMANCE BOND

SURETY REQUIRED: The performance bond must be executed by an authorized surety, guaranty or trust company. The surety required must be in the amount of not less than one hundred percent (100%) of the total amount of the contract. The City shall determine the amount and sufficiency of all sureties.

CORPORATE SURETY: If the corporate surety is given, the surety or guaranty company must indicate in the bond the State in which it is incorporated. It is necessary that a certificate of authority authorizing the “attorney-in-fact” to sign the bond accompany the same.

MISCELLANEOUS REQUIREMENTS: If the principal is a “partnership”, the names of the partners composing the same must be given, and the bond signed by one or more of the partners in the following manner: “John Jones and James Smith, dba, Smith-Jones Company, by John Jones, a partner.” The same party or parties who sign the contract must also sign the bond as principal. All signatures must be in full. The Bond must be witnessed. A certified check may be submitted in lieu of the Bond, made payable to the City of Tipp City, Ohio and drawn on a solvent bank.

GENERAL CONDITIONS AND TERMS OF AGREEMENT

1. The legal Advertisement, General Conditions, Special Conditions, Instructions to Bidders, Specifications, plans, profiles included in the original proposal are made a part of this agreement.
2. The term "City" wherever used in this agreement shall mean the City of Tipp City, the party of the first part, acting through its properly authorized agent.
3. The term "Contractor" wherever used in this agreement shall mean the party of the second part entering into a contract with the City for furnishing material, supplies, or equipment, or for the performance of the work set forth herein.
4. The contractor agrees to protect, defend, and save harmless the City against any demand for payment for the use of any patented material, process, article or devise that may enter into the manufacture, construction, or form a part of the work covered by this agreement: and the contractor further agrees to indemnify and save harmless the City from suits or actions of every nature and description brought against it for, or on account of any injuries or damages received or sustained by any party or parties, by or from the acts of the Contractor, his servants or agents.

To this extent, the Bidder, or Contractor agrees to furnish adequate Public Liability and Property Damage Insurance, the amount of which will be determined by the City wherever such insurance in the opinion of the City, is deemed necessary.

5. The General Code of the State of Ohio, and City ordinances, insofar as they apply to the laws of competitive bidding, contracts, and purchases, are made a part hereof. Insofar as Workman's Compensation act is concerned, the Contractor agrees to furnish an official certificate or receipt of the Industrial Commission of Ohio, showing that he has paid into the State Insurance Fund the necessary premiums, whenever in the opinion of the City such certificates are deemed necessary.
6. Partial payments will be made upon presentation of properly executed claim vouchers unless otherwise stated in this agreement. The final payment will be made by the City when the material, supplies or equipment of the work performed has been fully delivered or completed to the full satisfaction of the City.

ARTICLES OF AGREEMENT

This agreement made and entered into by and between the party of the first part and the party of the second part.

WITNESSETH, that the said party of the second part has agreed and by these present does agree, with the party of the said first part, for the consideration hereinafter named to furnish all the materials, supplies or equipment, or to do the work necessary to complete in good, substantial and workman-like manner, ready for use in strict accordance with the proposal, specifications, plans, profiles or drawings of the items hereinafter set forth in accordance with the foregoing terms and general conditions, all of which are made a part hereof.

APPROVED AS TO FORM:

THE CITY OF TIPP CITY, OHIO

By: _____
David J. Caldwell, Director of Law

By: _____
Bradley C. Vath, Acting City Manager

Date: _____

Date: _____

CERTIFICATION OF FISCAL OFFICER

CONTRACTOR

By: _____
John W. Green, Director of Finance

By: _____
(Signature)

Amount: _____

Name: _____

Fund: _____

Company: _____

Address: _____

Address: _____

Phone: _____

Date: _____

DOCUMENT 00410 - BID GUARANTY AND CONTRACT BOND (ORC 153.571)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned:

_____, as Principal, and
_____, as Surety are

hereby held and firmly bound unto _____

as Obligee in the penal sum of the dollar amount of the bid submitted by the Principal to the Obligee on _____ to undertake the project known as _____. The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Obligee, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee. In no case shall the penal sum exceed the amount of _____ dollars (\$_____). (If the above line is left blank, the penal sum will be the full amount of the Principal's bid, including alternates. Alternately, if completed, the amount stated must not be less than the full amount of the bid, including alternates, in dollars and cents. A percentage is not acceptable.) For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this _____ day of _____, 20____.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named Principal has submitted a bid for _____

_____.

NOW THEREFORE, if the Obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the Obligee the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid and such larger amount for which the Obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the Obligee does not award the contract to the next lowest bidder and resubmits the project for bidding, the Principal pays to the Obligee the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect. If the Obligee accepts the bid of the Principal and the Principal within ten days after the awarding of the contract enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein; and

IF THE SAID _____ shall well and faithfully do and perform the things agreed by _____

to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materialman or laborer having a just claim, as well as for the Oblige herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions, or additions in or to the terms of said contract or in or to the plans or specifications therefore shall in any wise affect the obligations of said Surety on its bond.

Principal:

Surety:

By: _____

Title: _____

END OF DOCUMENT

SPECIFICATIONS FOR A
201 STAINLESS STEEL CROSS-MEMBERLESS TYPE DUMP BODY
WITH UNDERBODY HOIST SUITABLE FOR USE BY TIPP CITY IN STREET &
HIGHWAY MAINTENANCE, INCLUDING SNOW & ICE CONTROL

1.	MINIMUM BODY REQUIREMENTS	COMPLIANCE
1.01	Inside length of (10) feet	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	Capacity to be (6.5) cu yd struck	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Inside width to be 84"	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Side height of 30 inches.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	Tailgate height of 38inches.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Headsheet height of 54 inches	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	SIDES & HEADSHEET	
2.01	One-piece sides & headsheet to be 7 gauge 201 stainless steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	10 ga. 201 stainless steel boxed top rail, horizontal side brace, and bottom rub rail are all seamless and sloped outward. Vertical side braces are not acceptable.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.03	One-piece tapered front corner posts with 2" side board pockets, 201 stainless steel construction	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.04	10 ga. 201 stainless steel 5-3/4" x 12" full depth rear corner posts are tied to an 8" structural channel rear apron. This joint is further reinforced with a 1/4" 201 stainless steel plate which helps prevent flexing in this critical area and strengthens latch assembly.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.05	One piece side with formed rubrail. Floor to side seam on underside of body continuously welded.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.06	1 1/2 " grip strut to be mounted around the parimeter of the body on rub rail	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.07	Cabshield is to be 22"x86" , 10 gauge 201 stainless steel mounted stationary with I beam to the chassis frame rails with a rubber wiper between dump body and cabshield.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	FLOOR	
3.01	One-piece 1/4" AR400 (400 Brinell hardness).	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.02	4" floor to side radius	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.03	Cross members are not allowed.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.04	One-piece 5" x #10.0 I-beam long sills. A lower center of gravity is achieved with an 9" mounting height.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	TAILGATE	
4.01	One piece 7 gauge 201 stainless steel tailgate sheet	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.02	Full perimeter boxed 7 gauge 201 stainless steel bracing with all horizontal edges sloped outward.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.03	Shall have two 7 gauge 201 stainless steel sloped horizontal brace that is flush with the perimeter boxing	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.04	Flush mount, 1/2" flame cut pivots	<input type="checkbox"/> Yes <input type="checkbox"/> No

4.05	Heavy duty offset hinge plates, 1" flame cut	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.06	3/4" plate latch hooks with 3/8" latch plates	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.07	1-1/4" Hot Rolled upper and lower pins	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.08	Air released tail gate. Pivot points include stainless steel bushings to reduce seizing	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	HOIST	
5.01	Single cylinder 821 Bench press underbody hoist	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.02	N.T.E.A. class 60 Double acting (no exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.03	Wear and corrosion resistant Nitrited cylinder tubes	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.04	Minimum 3 year cylinder warranty	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.05	Connecting pivots to have replaceable greaseless composite bushings	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.06	Oscillating cylinder collar (no exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	SUBFRAME & REAR HINGE ASSEMBLY	
6.01	5" structural channel subframe.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.02	6" x 4" x 3/8" structural angle	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.03	201 stainless steel 1-1/2" 1045 C.R. hinge pins connecting to 2-1/2" hinge blocks using replaceable greaseless composite bushings for a minimal pin-to-bushing clearance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	DUMP BODY LIGHT PACKAGE	
7.01	Rubber mounted, Whelen 500 series or approved equal stop/turn/tail light in each rear corner post. Highly visible, yet recessed for protection. Four red rear, two side mounted red rear reflectors, and two side mounted amber front reflectors.	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.02	Includes a one piece sealed wiring harness with weather pack connections	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.03	Rubber mounted, shock resistant I.C.C. 3-light cluster, for mounting in a fabricated light bar in pintle plate	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	PAINT PREPARATION	
8.01	All surfaces are high pressure cleaned & phosphated	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.02	201 stainless steel components are un-painted	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.03	Entire underside of dump body and chassis is to be hardened zinc rustproofed	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATION FOR A LOAD SENSING CENTRAL HYDRAULIC SYSTEM

1.	Load Sensing Pump	COMPLIANCE
1.01	Pump to be a cast iron, piston pump with load-sensing control used with Low Oil shut down and a momentary switch for emergency override part #CT-LO-SI.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	Pump size to be 74cc Displacement	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Pump to feature Keyed input shaft.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Pump to have separate adjustments for main and standby pressure	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	Pump pressure adjustments to be covered	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Pump to be FRL074 Pump and Main Control Valve to of same Manufacture for compatibility reasons.	<input type="checkbox"/> Yes <input type="checkbox"/> No

2.	PTO	COMPLIANCE
2.01	Pump to be driven from a hot shift pto with illuminated switch mounted in the cab. Location to be determined at prebuild meeting.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	Low oil shut off is to be mounted in the reservoir and override to be mounted inside of the cab, location to be determined at prebuild.	<input type="checkbox"/> Yes <input type="checkbox"/> No

3.	Valve Body	COMPLIANCE
3.01	Main Valve to be cast iron, sectional load-sensing type.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.02	Rated for 30 GPM nominal flow.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.03	To include 500 psi hoist down pressure relief.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.04	To have individual pressure adjustments for each work port	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.05	Hoist & Plow Functions to be shifted Via Pneumatic Feathering Air shift kits Model C3582-DM	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.06	To include a manual handle operated over ride for each PA section.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.07	To be of same manufacturer as the pump for efficiently performance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.08	Valve to be PVG-32 Drawing of valve will be supplied with Delivery of truck	<input type="checkbox"/> Yes <input type="checkbox"/> No

4.	Controls	COMPLIANCE
4.01	Controls to be Pneumatic for Hoist/Plow functions and 12 volt proportional for Spinner & Auger	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.02	Spreader Control to be groundspeed oriented, Closed loop and have LED display with sensor on the prewet and spreader auger	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.03	Separate rotary knobs for federate and Lane width, auger rate, and prewet application.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.04	Blast and Pause button	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.05	Dual axis PA joystick for front plow functions	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.6	Single axis PA joystick with center lock for safety reasons	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.7	Spreader control to Closed Loop Ground Speed Control	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	System Wiring	COMPLIANCE
5.01	Spreader control wiring to be TPE type with O-ring sealed connections No Exceptions	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.02	Diagnostic LED's on valve connections	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.03	Dust caps and plugs for un used / removable connections	<input type="checkbox"/> Yes <input type="checkbox"/> No

6.	Valve Enclosure Fluid Reservoir	COMPLIANCE
6.01	Steel Reservoir/Enclosure 30 gallon combo with PVG32 valve bulk head mounded, PA Valve sections to be hoses with color coded (specific to function) DOT approved air line for ease of trouble shooting, Weatherhead Quick release bulk head PA connectors (1874X4X4) to be installed on face of enclosure.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.02	In tank return filter with 10 micron element Filter# SG03020011	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.03	One spare elements furnished with each truck	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.04	Suction strainer (2" external male thread), sight glass, magnetic drain plug and low oil float port.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.05	Removable lid with rubber bungee latches	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.06	Two inch, full flow ball valve mounted on suction strainer without the use of adaptor fittings.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.07	Model MTCA2 Plumbing diagram to be supplied with delivery of truck	<input type="checkbox"/> Yes <input type="checkbox"/> No

7.	Plow Balance	COMPLIANCE
7.01	Plow Guard-Plow Balance System for weight control to save fuel consumption and prolong cutting edge life Model SG0302	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.02	Plow balance valve mounted in valve enclosure	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.03	Plow balance valve does not have to be turned off to lift plow	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.04	Balance valve switch to be mounted in cab within easy reach of Driver	<input type="checkbox"/> Yes <input type="checkbox"/> No

8.	Installation Requirements	COMPLIANCE
8.01	Plow release valve to vent pressure on couplers for easy connection Model # SG04090141	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.02	100 % Stainless steel quick couplers for plow angle and spinner ALL HOSES AND FITTINGS MUST BE WEATHERHEAD BRAND	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.03	Couplers to include dust caps and plugs with retaining chains. (6) 6' Mid-State Stainless steel tubes to rear with short jumper hoses. (5) 5' Mid-state Stainless Steel tubes to front with short jumper hoses. ALL TUBES MUST BE 37 DEGREE JIC FLARED ENDS W/ NO SEAMS -NO EXCEPTIONS mounted in nylon clamps and ridged mounted to the chassis frame. Must provide pictures and references from (10) referals to show previous experience mounting a hydraulic system to these specifications.	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATIONS FOR A COMPLETE MOBILE LIGHTING AND ELECTRICAL SYSTEM

1.	<u>MINIMUM REQUIREMENTS:</u>	<u>COMPLIANCE</u>
1.01	TST Power distribution panel to be mounted in the cab of truck center of seats with reflective sticker to mark the box as the power distribution panel.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	Solid wiring to be run to each electrical light and component with no splicing, soldering or butt connections and in protective conduit and ridged mounted to the chassis.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Sealed halogen headlamps with amber turn signal mounted on stainless steel brackets on the fenders of the cab and equipped with OEM type plug (NO SPLICING).	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Whelen model mini edge LED 9m with take down lights.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	(4) - Whelen 500 or approved equal LED warning light system. Solid wired with no splicing. (2)- rubber grommets in rear post, (2)- mounted facing rearward in stainless steel boxes on the top of the cab shield.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Whelen 2 - Rubber grommets 500 series LED STT lights to be mounted in the rear posts, 2 - Whelen 500 series LED white back-up lights	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.07	Whelen 4" LED spinner work light mounted on the left rear of the truck solid wired with no splicing.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.08	Whelen 96db Back up alarm mounted on the rear of the truck stainless steel mounting bracket, solid wired with no splicing.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.09	Body up warning light ridged mounted inside of cab, solid wired with no splicing.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.10	FMVSS #108 LED Marker lights solid wired with no splicing.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.11	Copy of schematic due at delivery of completed truck.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.12	All wiring is to be securely tied to a stainless steel 1/2" rod that is to be ridged mounted between the chassis frame rails	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.13	Pictures, diagrams, and referrals from (10) customers are to be provided proving a common installation of the above specifications.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	<u>MISCELLANEOUS EQUIPMENT</u>	<u>COMPLIANCE</u>
2.01	Stainless steel fold up ladder with built in grab handles (location to be determined at pre-build meeting).	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	Stainless steel shovel holder (location to be determined at pre-build meeting).	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.03	5" Chrome exhaust elbow.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.04	Fleet engineering full poly fenders stainless steel mounting kit part# 031-00886. Mounted over rear wheels	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.05	Full length rear mud flaps with stainless steel quick attach kit.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.06	Red and white reflective tape on both side of dump body and on the tailgate.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.07	5/8" full rear tow plate with d-rings, 25 ton pintle hook and aluminum 7 pin trailer connector	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.08	Digital brake control Part # BC4ADP mounted inside of cab.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.09	12" oak sideboards paint color to be determined at prebuild meeting..	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.10	Vibco body vibrator part #DC3500 (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATIONS FOR A HEAVY DUTY SNOW PLOW HITCH

1.	Heavy duty front side plate low profile hitch	COMPLIANCE
1.01	To be engineered, designed and built by a recognized snow plow manufacturer. Hitch to be low profile design will limit the amount of front overhand to a minimum.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	A truck frame extension is not required for mounting of the hitch.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Heavy front frame hitch of modular design shall allow the cab hood to tilt completely forward for access to engine.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Side plates will transfer plowing force to the side rails of the truck frame and will custom fit the specified year, make and model of the truck.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	The side plates are custom fitted 5/8" steel plate of proper length to provide adequate clearance for steering mechanisms and suspension system of the truck. (Cheek Plates are not excecptable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Side plate mounting angles or plates should mount flush to the truck frame for maximum strength. Pipe spacers are not acceptable.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.07	The front section of the hitch assembly: lift frame, center section and the lower push plate shall be welded to the two vertical tubular supports. The tubular supports are to be constructed of 3" x 6" x 1/2" thick wall.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.08	The center cylinder structural section to be built with a 4" x 4" x 1/2" structural square tubing along with two 4" x 3" x 1/2" lift cylinder ears to be welded to this tube along with a 3" x 1/2" flat reinforcement bar.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.09	The telescopic lift arm shall be constructed of 4" x 4" x 3/8" square outer tubing and 3" x 3" x 3/8" square inner tubing.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.10	The lift arm and lift frame shall be constructed to accept a dual acting 4" x 10" lift cylinder with a nitride cylinder tube and cylinder pins to be 1" cold rolled steel.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.11	Self storing lift arm is accomplished by pulling one 1" pin and folding the cylinder up to allow the lift arm to be locked flat and secure.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.12	The plow portion of the pin hitch shall oscillate freely horizontally, allowing the plow to follow the variations in the road surface. Attaches to A-frame with 1 1/2" GR 8 Bolt.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.13	The plow portion of the hitch is to be of the pin and loop design	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.14	Pin and Loop must be compatable with typical pin and loop systems, Wausau type pin and loops are unexceptable	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.15	The plow hoist cylinder shall be of premium grade and shall be double acting 4" bore and 10" stroke and shall be nitride treated to prevent corrosion and increase longevity.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.16	The piston rod is to be of steel construction treated with nitro steel process.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.17	The ram sleeve or outer barrel will be such that the rod packing maintained or replaced as required. A positive stop must be incorporated that will help prevent mechanical pressure being applied to the packing when the piston rod is fully extended.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.18	The lift cylinder shall be capable of 14,137 pounds of thrust @ 2000 P.S.I. and 16,000 pounds of bursting pressure @ 2000 P.S.I. (minimum weight if the cylinder shall be 28 pounds and comes equipped with 3/8" ports.)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.19	Bumper to be constructed of 8" channel and primed and painted black.	<input type="checkbox"/> Yes <input type="checkbox"/> No

		<u>COMPLIANCE</u>
1.20	The entire plow hitch assembly is to be continuously welded.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.21	The entire plow hitch is to be primed with a high quality catalyzed primer and finish powder coated black wet coated hitches is unexceptable.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.22	Plow hitch must be designed to lift and carry the plow level at all times	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.23	Telescoping arm must be adjustable to ten different positions.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.24	Plow quick couplers are to be mounted on the center support of the hitch.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.25	Plow hitch assembly, including cylinder, must carry a full (2) two year warranty on service, parts and corrosion.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.26	Plow hitch assembly must come with instruction manual, service manual and parts breakdown including part numbers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.27	Plow hitch must be a stock item with at least (20) twenty years of proven service and reliability. (no custom fabrication will be acceptable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.28	Installer and supplier must have all parts for plow hitch in stock for no less then (10) ten years in the future.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.29	Installer of plow hitch must include at least (10) ten references and pictures to show proven performance and reliability.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.30	Snow plow hitch assembly, snow plow, dump body and spreader that is bid must be manufactured by the same company. (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.31	Information, specifications and pictures for plow hitch assembly must be included with bid for review.	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATIONS FOR A
10' x 42" FULL TRIP MOLDBOARD PLOW

1.	<u>MINIMUM PLOW REQUIREMENTS</u>	COMPLIANCE
1.01	Moldboard length of (10) feet	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	Moldboard height of 42 inches	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Moldboard material is to be no less than 10 gauge 201 stainless steel (Poly moldboards are not excepted due to weight)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Moldboard to have a 45degree mailbox cut at the right side of moldboard	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	Moldboard to have intergrated sheild	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Back of moldboard to be powder coated Orange (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	<u>PLOW CONSTRUCTION</u>	
2.01	Plow to be full trip moldboard	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	Moldboard trip to be equipped with adjustable compression springs	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.03	Compression springs to be adjustable to five diffenrent levels of tension and adjusted with provided spanner wrench.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.04	Plow moldboard to be adjustable to five different angles of attack.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.05	Moldboard to be roll formed (brake press forming is not exceptable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.06	Moldboard to have eight ½" x 3 ½" rolled ribs continuously welded to the back of the moldboard.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.07	Moldboard to have 3 ½" x 3 ½" x 3/8" top angle with holes to allow moisture to escape	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.08	Moldboard to come equiped with 1.5" x 8" one piece AASHOTO punch Rubber cutting edge with a 5/8" x 8" steel cover blade	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.09	Moldboard to come equiped with 12" rubber snow deflector and held by stainless steel strip and attached with stainless steel hardware for added support.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.10	Moldboard to come equiped with 36" orange flexible plow markers attached with stainless steel hardware	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.11	Moldboard is to come with two curb guards. (one on each)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	<u>PUSH FRAME</u>	
3.01	Push frame to be 4"x4"x3/8" structural tubing	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.02	Push frame to be 132" and connect to the moldboard in all eight ribs with 1 ¼" pins	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.03	Push frame semi-circle to be 4" x 4" x ¼" angle welded to the full length structural tube push frame.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.04	Reversing cylinders are to be qty (2) - 4"x10"x2" double nitrided cylinders (No other cyliders are acceptable for servicability reasons)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.05	Reversing cylinders to be mounted on the top of the pushframe (Bottom mounted cylinders is unacceptable)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.06	Reversing cylinders are to be protected with plow mounted cusion valve	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.07	Plow portion of hitch to be QCP pin and loop type. (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.08	Plow to be of a non-mechanical level lift design to allow the plow to remain level with the road surface at all times.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.09	All welds are to be continuously welded (No exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.10	Plow frame to be equiped with parking jack for easy hook up and storage.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.11	Complete plow frame to be powder coated black (No exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATIONS FOR A 201 STAINLESS STEEL REPLACABLE SPREADER

1.	MINIMUM BODY REQUIREMENTS	COMPLIANCE
1.01	Height 38" inches (2 adjustable positions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	Unit weight is approximately 850 lbs.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	MINIMUM TROUGH REQUIREMENTS:	
2.01	7 gauge 201 stainless steel trough and rear panel	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	1/4" 201 stainless steel end plates with all interior seams welded	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.03	One piece 201 stainless steel combination cover and upper rear panel	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.05	The trough shall hinge providing access to auger	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.06	The handles for positioning and locking the bottom trough shall be 201 stainless steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.07	Clean out door in bottom of trough opens in combination with top cover to provide access from top and bottom for complete clean out.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.08	A 1/4" 201 stainless steel access plate bolted to the trough end plate shall provide the drive motor mount and side access to the auger for ease of replacement or service of the auger	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.09	All attachment hardware (bolts, nuts) shall be 201 stainless steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	MINIMUM AUGER REQUIREMENTS:	
3.01	(2) 9" diameter bi-directional flight auger with 3/8" flighting.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.02	Flighting welded to a 2.5" O.D. schedule 40 pipe.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.03	Auger supported by 1-1/4" diameter shaft running in grease able anti-friction ball bearings-flange mounted on the outside trough ends.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.04	The auger drive motor shaft and idler bearing shaft shall each have a polyurethane insert in the attachment to auger pipe to prevent seizing due to corrosion.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.05	Hopper discharge opening has a 201 stainless steel anti-flow shield preventing free flow of granular material from the trough when the auger is stopped.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4	AUGER DRIVE:	
4.01	Auger is driven by a (2) high torque, low speed, 25.0 C.I.R. Char-Lynn hydraulic motors	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.02	Motors is directly coupled to the augers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5	SPINNER ASSEMBLY:	
5.01	10 gauge steel 18" diameter spinner disk with bolt on replaceable formed 409 SS fins.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.02	Directly driven by a high torque, low speed (550 RPM max.) 2.8 C.I.R.Char-lynn hydraulic motor (Char-lynn part #101-1313).	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.03	Spinner motor mounted underneath the spinner on the left center of the trough.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.04	Spinner assembly shall be self-leveling and kept parallel to road surface at all dump angles without requiring a stabilizer bar attached to the truck frame.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.05	201 stainless steel stationary shield mounted in front of spinner to protect the truck under carriage from thrown material.	<input type="checkbox"/> Yes <input type="checkbox"/> No

5.06	The spinner-mounting bracket, pivoting rod and mounting hardware shall be 201 stainless steel.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.07	The spinner shall be adjustable from left to right and easily removable without tools.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.08	The spinner assembly shall have two positions of height adjustment.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6	MOUNTING:	
6.01	The mounting brackets for the dump body and spreader trough shall be constructed of 201 stainless steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.02	Spreader to mount via the dump body hinges on the top and tailgate latches on the bottom.	<input type="checkbox"/> Yes <input type="checkbox"/> No
7	PAINT:	
7.01	All metal surfaces are to be high-pressure cleaned with a phosphate solution to remove slag, splatter, oxide, and oil residue	<input type="checkbox"/> Yes <input type="checkbox"/> No

**SPECIFICATIONS FOR A 75 GALLON FRAME MOUNTED PRE-WETTING LIQUID
SPRAY SYSTEM**

	MINIMUM BODY REQUIREMENTS	COMPLIANCE
1.	DRIVE SYSTEM:	
1.01	All components are mounted in a sealed, corrosion resistant, molded fiberglass housing with hinged cover.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	All hardware on box including hinges and clasps of box to be stainless steel.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	All drive components to be mounted inside of fiberglass box on a 10 ga stainless steel plate using stainless hardware.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	Hydraulic drive motor is 1.21 CIR geroler type.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	Liquid pump is a 4.1 GPM @ 1725 RPM gear type of corrosion resistant materials with carbon graphite bearings.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Pump to have extended housing to totally enclose coupler for safety.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.07	Hydraulic Motor to be direct mounted to pump and coupled using Lovejoy coupler.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.08	All hydraulic tubing is stainless steel with corrosion resistant JIC fittings.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.09	Liquid output is controlled by an adjustable flow control valve on the hydraulic drive motor input.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.10	Flow divider valve is manually adjustable with control from zero to maximum flow for increasing or decreasing saturation of granular material.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.11	Sensors for both high and low liquid pressure shall be included.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.12	Must come use a flow sensor to allow closed loop operation	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	RESERVOIR:	
2.01	(1) 75-gallon square shaped, rotation molded medium density polyethylene tank with 5" diameter cap.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.02	Replaceable screen line strainer.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.03	Corrosion resistant shut off valves.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.04	Reservoir tank is angle formed to allow for mounting on the drivers side of tailgate. All bolt on hard ware for mounting.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.05	Supplied with bulk tank fill quick couplings. Internal baffle.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.06	Check valve will be supplied to keep tanks from emptying when not in use.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.07	Tank and system flush kit for easy storage.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	METERING ORIFICE:	
3.01	Variable displacement orifice provides an extended range of material outputs with minimal back pressure located in spinner chute. Brass or stainless steel nozzles is not acceptable	<input type="checkbox"/> Yes <input type="checkbox"/> No

MINIMUM SPECIFICATIONS FOR INSTALLATION & WARRANTY

		<u>COMPLIANCE</u>
1.	Body company to state warranty for body and equipment. Minimum of twenty-four (24) months, 100% parts and labor on components and installation. (NO DEDUCTABLE)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.01	For warranty and parts considerations and future availability of parts and service, the body company must be an authorized primary distributor for all major components they purpose to furnish. (Must furnish proof upon request) Dump body, plow, plow hitch, spreader and prewet system must be manufactured by one single manufacture. (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.02	All equipment must be installed by a single body company, by their employees having no less than 10 years experience and at their own location.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.03	Installation of components is not to be subcontracted by body company to others.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.04	No welding whatsoever is to be done on chassis frame between the front of most forward spring hanger in the rear of rearmost spring hanger.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.05	No drilling whatsoever is to be done in frame rail flanges.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.06	Copy of central hydraulic system schematic must be furnished upon completion of bid showing brand name and part number of all components. Copy of hydraulic schematic to be laminated in clear plastic and affixed to the inside of cab.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.07	Copy of wiring schematic must be furnished upon completion. Copy of wiring schematic to be laminated in clear plastic and affixed to the inside of cab.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.08	Body company to furnish operator's parts and service manuals for all components manufacture's i.e. dump body, hoist, plow hitch, salt spreader, central hydraulic system, and strobe lights.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.09	Completed vehicles must be certified by the body company as meeting all federal motor vehicle safety standards in effect at the time of chassis production. (Approved NHTSA/FMVSS certification label must be furnished and located inside cab on driver's side)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.10	Completed unit to comply with current OSHA regulations.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.11	Body company must be registered with National Highway Traffic Safety Administration as a final stage manufacture of motor vehicles as required by federal law.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.12	Body company to conduct operator training session on body and equipment at the garage after delivery of competed truck.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.13	Delivery of completed vehicle must be within 30 days of delivery of cab and chassis. Failure to deliver vehicle within 30 day period will result in a \$100.00 per day,per vehicle penalty for each day passed the 30 days.	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.14	Parts are to be available and delivered twenty-four hours per day, seven days per week, (including holidays) during the period of November 1 st thru April 1 st each year. (No Exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.15	All warranty work required must be done in a timely manner and the truck must be picked up and delivered by the contractors provided driver.	<input type="checkbox"/> Yes <input type="checkbox"/> No

BID WORKSHEET

FOR

10' DUMP BODY UNIT

**THIS PAGE MUST BE COMPLETED FOR THE BID TO BE CONSIDERED FORMAL
BODY:**

Length - Width: _____

Side material and thickness: _____

Bottom material and thickness: _____

Height of Sides: _____

Type Tail Gate Trip: _____

HOIST:

Type hoist bid: _____

MISCELLANEOUS:

Type Cab Shield: _____

Size Side Board Pockets: _____

Channel Side Boards? Yes () No ()

Spreader Chains? Yes () No ()

P.T.O. Hot Shift? Yes () No ()

Complete Legal Lighting? Yes () No ()

Does Body meet OSHA and State
of Ohio Safety Standards? Yes () No ()

NON-COLLUSION AFFIDAVIT

State of Ohio

BID Identification: _____

CONTRACTOR _____

being first duly sworn, deposes and says that he is _____

(sole owner, a partner, president, secretary, etc.)

of _____, the party making the foregoing BID; that such BID is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such BID is genuine and not collusive or sham; that said BIDDER has not directly or indirectly induced or solicited any other BIDDER to put in a false or sham BID, and has not directly or indirectly colluded, conspired, connived, or agreed with any BIDDER or anyone else to put in a sham BID, or that any one shall refrain from bidding; that said BIDDER has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the BID price of said BIDDER or of any other BIDDER, or to fix any overhead, profit, or cost element of such BID price, or of that of any other BIDDER, or to secure any advantage against the OWNER awarding the contract or anyone interested in the proposed contract; that all statements contained in such BID are true; and, further, that said BIDDER has not, directly or indirectly, submitted his BID price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, BID depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or other financial interest with said BIDDER in his general business.

Signed: _____

Subscribed and sworn to before me this _____ day of _____, 20____.

Seal of Notary

**AFFIDAVIT OF BIDDER REGARDING DELINQUENT
PERSONAL PROPERTY TAXES**

STATE OF OHIO
COUNTY OF MIAMI

I _____ am _____
(Name) (Title)

of _____
(BIDDER)

(Address: Street, City, State, Zip)

being first duly sworn, deposes and says as follows:
(answering whichever is applicable by placing an "X" before Items 1 or 2.)

1. () We are not charged with any delinquent personal property taxes on the general tax list of personal property in Miami County, Ohio.
2. () We are charged with delinquent personal property taxes on the general tax list of Miami County, Ohio including unpaid penalties and interest in the amount of \$ _____.

The BIDDER is familiar with the Ohio Revised Code Section 5719.042.

Sworn and subscribed before me this

(Signature)

_____ day of _____, 20__

Notary Public in and for said State

My Commission Expires: _____

The purpose of this affidavit is to comply with the Ohio Revised Code Section 5719.042.



Ohio Department of Public Safety
Division of Homeland Security
<http://www.homelandsecurity.ohio.gov>

GOVERNMENT BUSINESS AND FUNDING CONTRACTS
 In accordance with section 2909.33 of the Ohio Revised Code

DECLARATION REGARDING MATERIAL ASSISTANCE/NONASSISTANCE TO A TERRORIST ORGANIZATION

This form serves as a declaration of the provision of material assistance to a terrorist organization or organization that supports terrorism as identified by the U.S. Department of State Terrorist Exclusion List (see the Ohio Homeland Security Division website for a reference copy of the Terrorist Exclusion List).

Any answer of "yes" to any question, or the failure to answer "no" to any question on this declaration shall serve as a disclosure that material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List has been provided. Failure to disclose the provision of material assistance to such an organization or knowingly making false statements regarding material assistance to such an organization is a felony of the fifth degree.

For the purposes of this declaration, "material support or resources" means currency, payment instruments, other financial securities, funds, transfer of funds, and financial services that are in excess of one hundred dollars, as well as communications, lodging, training, safe houses, false documentation or identification, communications equipment, facilities, weapons, lethal substances, explosives, personnel, transportation, and other physical assets, except medicine or religious materials.

COMPLETE THIS SECTION ONLY IF YOU ARE AN INDEPENDENT CONTRACTOR

Last Name		First Name		MI
Home Address				
City	State	Zip	County	
Home Phone		Work Phone		

COMPLETE THIS SECTION ONLY IF YOU ARE A COMPANY, BUSINESS OR ORGANIZATION

Last Name		First Name		MI
Business/Organization Name				
Business Address			Phone	
City	State	Zip	County	

DECLARATION

In accordance with section 2909 (A)(2)(b) of the Ohio Revised Code

For each question, indicate either "yes," or "no" in the space provided. Responses must be truthful to the best of your knowledge.

1. Are you a member of an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
2. Have you used any position of prominence you have with any country to persuade others to support an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
3. Have you knowingly solicited funds or other things of value for an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
4. Have you solicited any individual for membership in an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
5. Have you committed an act that you know, or reasonably should have known, affords "material support or resources" to an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
6. Have you hired or compensated a person you knew to be a member of an organization on the U.S. Department of State Terrorist Exclusion List, or a person you knew to be engaged in planning, assisting, or carrying out an act of terrorism? Yes No

In the event of a denial of a government contract or government funding due to a positive indication that material assistance has been provided to a terrorist organization, or an organization that supports terrorism as identified by the

U.S. Department of State Terrorist Exclusion List, a review of the denial may be requested. The request must be sent to the Ohio Department of Public Safety's Division of Homeland Security. The request forms and instructions for filing can be found on the Ohio Homeland Security Division website.

CERTIFICATION

I hereby certify that the answers I have made to all of the questions on this declaration are true to the best of my knowledge. I understand that if this declaration is not completed in its entirety, it will not be processed and I will be automatically disqualified. I understand that I am responsible for the correctness of this declaration. I understand that failure to disclose the provision of material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List, or knowingly making false statements regarding material assistance to such an organization is a felony of the fifth degree. I understand that any answer of "yes" to any question, or the failure to answer "no" to any question on this declaration shall serve as a disclosure that material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List has been provided by myself or my organization. If I am signing this on behalf of a company, business or organization, I hereby acknowledge that I have the authority to make this certification on behalf of the company, business or organization referenced on page 1 of this declaration.

Application Signature

Date