

**INVITATION TO BID
TRUCKEE MEADOWS WATER AUTHORITY
NRS 332 IN EXCESS OF \$50,000.00**

10-12 YARD ELLIPTICAL DUMP BED DUMP TRUCK

TMWA 332 PROJECT NO. 2015-012

TMWA CAPITAL PROJECT NO.: 1-1690

RANGE FOR ENGINEER'S ESTIMATE: \$150,000.00 – \$180,000.00

PROJECT SCOPE: Truckee Meadows Water Authority (TMWA) is accepting sealed bids for the purchase of a 10-12 Yard Elliptical Dump Bed Dump Truck (Dump Truck). The bidder shall provide a 10-12 yard elliptical dump bed dump truck cab and chassis and dump bed installed and complete per the specifications, which are based on an International cab and chassis. TMWA will consider other models as long as they can be compared as equal to or better. Delivery of the Dump Truck must be on or before September 30, 2015, or as otherwise agreed upon. Delivery of the Dump Truck shall be to TMWA's Corporate Yard located at 1355 Capital Avenue, Reno, Nevada 89502.

MANDATORY PRE-BID CONFERENCE: **None Required for this Project.**

BID DOCUMENTS: All bid documents may be downloaded from TMWA's website at http://tmwa.com/about_us/doingbusinesswithtmwa

BID SUBMITTAL: Sealed bids must be submitted to TMWA by mail to P.O. Box 30013, Reno, Nevada 89520-3013 or in person to 1355 Capital Boulevard, Reno, NV 89502, and must be **RECEIVED BY TMWA NOT LATER THAN 10:00 A.M. on May 26, 2015.** Bids received after the date and time set for receipt will be **REJECTED.**

BID OPENING: **May 26, 2015, at 10:05 A.M.** at the TMWA Conference Room, 1355 Capital Blvd., Reno, NV 89502. TMWA reserves the right to reject any or all bids, including without limitation the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional bids, and to reject the bid of any bidder if TMWA believes that it would not be in the best interest of TMWA to make an award to that bidder. TMWA also reserves the right to waive informalities. Bids will be evaluated as prescribed in Nevada Revised Statute 332.

AWARD DATE : On or Before June 10, 2015

DELIVERY DATE: One Hundred Twelve (112) days following Notice to Proceed.

SHIPPING AND DELIVERY: Total bid price shall include shipping and delivery to the TMWA corporate yard located at 1355 Capital Boulevard, Reno, Nevada.

PLANS AND SPECIFICATIONS: Not Applicable.

Bidders are to complete all Bid Submittal Forms, contained on pages 2-9 in the Bid Proposal Form Section of the Bid Documents. The complete Contract Documents must be submitted to comprise a responsive and responsible bid. **A bid bond will not be required for this project.** Addenda, if any, shall be posted on the TMWA web-site at http://www.tmwa.com/about_us/doingbusinesswithtmwa/ It is each bidder's sole responsibility to ensure that they have received all addenda prior to submission of their bid.

QUESTIONS: Questions may be submitted in writing to the Contract Administrator up to three (3) business days before Bid Opening.

Maria I. Dufur, Contract Administrator
Truckee Meadows Water Authority
1355 Capital Boulevard
Reno, NV 89502
(775) 834-8056
Fax (775) 834-8153: e-mail: mdufur@tmwa.com

BIDDING PROCEDURES TABLE OF CONTENTS

Section 1

Invitation to Bid

Table of Contents

Instructions to Bidders

Bid Proposal Forms

Bid Bond (**Not Required for this Project**)

Bid Schedule

Attachment A to Bid Schedule

- Specifications 10-12 Yard Elliptical Dump Bed Dump Truck

Debarment Certification

Acknowledgement and Execution Page

Section 2

Contract

Contract (Sample)

INSTRUCTIONS TO BIDDERS

I. BIDDING PROCEDURES

A. Pre-bid Conference – **Not Required for this Project**

B. Designated Contacts

The designated contact for questions pertaining to the Contract Documents, Specifications and/or Drawings is the designated Contract Administrator. All questions should be submitted in writing, and will receive a written response from the Contract Administrator.

Maria I. Dufur
Truckee Meadows Water Authority
P.O. Box 30013
Reno, NV 89502
775-834-8056
FAX No. 775-834-8153
E-mail: mdufur@tmwa.com

C. Interpretations and Addenda

Bidders shall take no advantage of any apparent error or omission in the Bidding Documents. In the event a Bidder discovers such an error or omission, it shall immediately notify the Contract Administrator in writing. Truckee Meadows Water Authority will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the Bidding Documents. Any Addendum or written clarification supplementing the Plans, Specifications, and Contract Documents issued prior to the time set for the submittal of Bid Proposal shall be made part of the Contract.

If it becomes necessary to issue a written addendum, a copy will be provided on Truckee Meadows Water Authority Web Site for free download at http://tmwa.com/about_us/doingbusinesswithtmwa. Truckee Meadows Water Authority is not bound by any oral representations, clarifications, or changes made by employees, or representatives, unless such clarification or change is provided to all Bidders in written form. No significant Addendum shall be issued by Truckee Meadows Water Authority less than one (1) working day prior to the advertised date and time for Bid submittal unless the bid date is extended.

Prior to submission of the Bid, each Bidder shall ascertain that it has received all Addenda issued. The Bidder shall acknowledge receipt of all Addenda by completing the acknowledgment space provided on the Bid Schedule.

D. Bid Preparation and Submission

1. Bid proposals are to be submitted on the Bid Schedule provided and must be manually signed by pen by an officer or authorized agent (with attached power of attorney) of the Bidder. All figures must be written in ink or typewritten. Figures written in pencil or erasures are not acceptable. Any interlineation or alteration must be initialed in ink by a person authorized to bind the Bidder to a Contract. If the person making said interlineation or alteration is not the same person who signs the Bid Proposal, such person must write his/her signature and print his/her name and title on each page of the Bid Proposal where initials appear. Written delegation of signature authority to an agent acting on behalf of the Bidder must accompany the sealed Bid and cannot contain any language which states the Bidder retains final approval of acceptance of any of the terms conditions, specifications and/or finalized Contract.
2. Each Bid shall be submitted in a sealed envelope and the envelope must be prominently marked on the lower left corner as follows:

TMWA 332 PROJECT NO.: 2015-012

OPENING: May 26, 2015

COMPANY NAME:

Truckee Meadows Water Authority will not consider a Bid that fails to comply with the above stated requirements. Truckee Meadows Water Authority will not be responsible for the premature opening of a Bid not properly addressed or identified. All Bids must be received prior to the time and date specified in the Invitation to Bid at the following address:

**Truckee Meadows Water Authority
P.O. Box 30013, Reno, NV 89520-3013
or
1355 Capital Boulevard, Reno, NV 89502**

3. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed as specified. Mailed Bids must be received by Truckee Meadows Water Authority prior to the closing time for receipt of Bids to receive consideration. Email or Facsimile Bids will not be accepted or considered.

E. Documents Necessary For Submittal

The Bid Bond and Bid Schedule Form comprise the Bid Proposal and all shall be included in the sealed envelope. Truckee Meadows Water Authority will not consider a Bid received if there is an omission of or failure to complete any portion of the required documents prior to the time of Bid Opening. Do not submit the entire bid book. A separate (loose) Bid bond and Bid Schedule Form are provided in the bid document for bid submission.

F. Bid Security – Not Required for this Project.

1. Each Bidder's Proposal must be accompanied by a Cashier's check, Certified Check, or Bid Bond acceptable to Truckee Meadows Water Authority in an amount equal to at least five percent (5%) of the Bidder's "Base Bid" Proposal. Bid Security shall be payable without condition to Truckee Meadows Water Authority as a guarantee that the Bidder, if awarded the Contract, will promptly execute the Contract in accordance with the Bid Proposal and in the manner and form required by the Contract Documents, and will furnish the required Performance and Payment bonds. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the Bid security may be forfeited to Truckee Meadows Water Authority as liquidated damages, not as penalty. All checks must indicate the Payee as "Truckee Meadows Water Authority" and reflect the Bid number. Failure to enclose Bid security with the sealed Bid will cause the Bid to be rejected and not considered.
2. Surety companies issuing bid bonds must be licensed to issue surety by the State of Nevada Insurance Division. Bonds issued by an individual surety are not acceptable to Truckee Meadows Water Authority.
3. Truckee Meadows Water Authority will have the right to hold the Bid security of Bidders to whom an award is being considered until either (a) the Contract has been executed and bonds have been furnished, or (b) the specified time has elapsed so that Bids may be withdrawn, or (c) all Bids have been rejected.

G. Quantities

The quantities given in the Contract Documents or indicated by the unit Bid items are approximate quantities and are intended to illustrate Scope of Work. **The term Contractor shall also refer to Supplier for the purposes of this bid.** Contractor shall be responsible for verifying the exact quantities involved each month through the measurement and payment provisions of the Contract Documents.

H. Compensation

The Total Bid Price shall cover all Work required by the Contract Documents and necessary or reasonably inferable to achieve completion of the Work. All costs in connection with the proper and successful completion of the Work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction equipment, tools and temporary utilities; and performing all necessary labor and supervision to fully complete the Work, shall be included in the unit and lump sum prices Bid. All Work not specifically identified as a pay item in the Bid Schedule shall be considered a non-compensatory obligation of the Contractor and all costs in connection therewith shall be deemed included in the prices otherwise Bid.

I. Schedule of Values

The purpose of the Schedule of Values shall serve Truckee Meadows Water Authority in two (2) distinct areas:

1. PRIOR TO AWARD OF BIDS - Truckee Meadows Water Authority may request a Schedule of Values for any or all item(s) included in the Bid schedule for the purpose of determining an unbalanced Bid. The analysis shall be conducted by Truckee Meadows Water Authority. All prospective Bidders may be required to prepare a Schedule of Values, and it shall be the Bidder's responsibility to verify the quantities as shown on the Drawings before preparing his Bid. The schedule as shown in the Bid Schedule does not constitute a complete outline of the Work to be performed by the Contractor in accordance with the Contract Drawings and Specifications. This list is intended to include all major items, and the Bid computed there from will be the maximum compensation for all work and materials furnished by the Contractor in order to comply with the Contract Drawings and Specifications, whether or not indicated in the approximate quantities or pertaining to the items of Work listed therein
2. AFTER AWARD OF BID - Truckee Meadows Water Authority will request a Schedule of Values for any or all item(s) included in the Bid schedule for the purpose of making partial payments to the Contractor.

Under no circumstances may any Bid item reflected as LUMP SUM or otherwise be increased or decreased as a result of the Lump Sum Bid breakdown analysis.

J. Validity of Bid

Truckee Meadows Water Authority reserves the right to withhold award of this Contract for a period of thirty (30) days from the date of the Bid opening. The Bidder acknowledges in submitting his/her Bid that all prices listed in the Bid Proposal are valid for a period of not less than thirty (30) days from the date of the Bid Opening.

K. Bidders Representation

Each Bidder by submitting its Bid represents and warrants that:

1. The Bidder, by submission of his Bid, confirms it has familiarized itself with the Invitation to Bid, Plans, Specifications, and Contract Documents and has found them fit and sufficient for the purpose of preparing his Bid. Bidder agrees to all the terms and conditions of the Contract and further agrees that no claim will be made against Truckee Meadows Water Authority, the Project Representative, or the Design Consultant for any damage that he or his subcontractors may have suffered due to the inadequacy of his Bid on account of any alleged errors, omissions, or other deficiencies in the Notice To Contractors, Plans, Specifications, or Contract Documents supplied to him by Truckee Meadows Water Authority.
2. The submission of a Bid shall constitute an acknowledgment upon which Truckee Meadows Water Authority may rely that the Bidder has thoroughly examined and is familiar with the Contract Documents. The Bidder shall in no way be relieved from any obligation with respect to its proposal or to the Contract. ***No claim for additional compensation will be allowed which is based upon a lack of knowledge of the Contract Documents.***
3. The Bidder has inspected the site(s) of the Work and is fully satisfied, by personal examination or by other means, of the locations of the proposed Work, of the actual conditions, including subsurface conditions, of and at the site(s) of the Work. If, during the course of its examinations, a Bidder finds facts or conditions which appear to be in conflict with the letter or spirit of the Bidding documents before submitting his/her bid, the Bidder shall request Truckee Meadows Water Authority, in writing, to provide additional information and explanation.
4. Submission of a Bid by a Bidder shall constitute conclusive evidence that the Bidder has relied solely and exclusively on its own examination of (1) the site of the Work, (2) access to the site, (3) all other data and matters requisite to the fulfillment of the Work and on its own knowledge of existing facilities on and in the vicinity of the site of the Work to be constructed under the Contract, (4) the conditions to be encountered, (5) the character, quality and scope of the proposed Work, (6) the quality and quantity of the materials to be furnished, and (7) the requirements of the Bid, the Drawings and Specifications. The Bidder is aware that soil classifications do not represent any particular stability or drainability characteristics, and are aware that water table levels can vary. ***No claim for additional compensation will be allowed which arises because of Bidder's failure to examine or become fully aware of the items in this paragraph.***
5. The information provided by Truckee Meadows Water Authority is provided for informational purposes only, without representation or warranty of any kind with respect to its accuracy or completeness, and is not intended to and shall not be relied upon as a substitute for, or a supplement to, the independent investigation by the Bidder of site conditions.
6. The Bidder, by signing the Bid Schedule, agrees that all material and workmanship on this Project shall meet or exceed OSHA standards and NOSHA standards.

7. The Bidder is qualified and possesses, at the time of the Bid submittal, a valid contractor's license for this particular Work (both as to type and available dollar limit) issued by the Nevada State Contractor's Board. Nevada Contractor's License type, number, expiration date and dollar limit must be indicated on the Bid Schedule. The Bidder and their subcontractors shall comply with all provisions of NRS Chapter 624 and Nevada Administrative Code, Chapter 624, to the extent applicable. Truckee Meadows Water Authority will not consider any Bid that fails to comply with these requirements.

8. The Bidder has a valid Business License and shall submit a copy with the bonds and Contract after award of contract.

9. The Bidder has appropriate work experience to be qualified to construct the Work. Bidder has successfully constructed at least three similar projects of equal or greater size, scope, type, cost, and complexity within the previous seven years. A similar project is one of the same category as this Project, defined for purposes of this paragraph as 10-12 yard elliptical dump bed dump truck. Bidders must have such prior work experience in order to be deemed responsive or responsible for purposes of bid evaluations. TMWA considers it critical to public health and safety and in the best interests of TMWA that this work only be performed by contractors holding such prior experience.

a. Evidence of the Contractor's required project experience shall be provided in the reference section of the Proposal Summary section (additional sheets may be attached as necessary).

b. The requirements for submittal of required project experience also apply to proposed Subcontractors performing specialty work, including piping, control valve, electrical, power, telemetry, and equipment control work. Subcontractor experience shall be provided with submission of the final subcontractor list.

TMWA will determine in its sole and absolute discretion whether a Contractor is responsible, properly licensed, and has the requisite work experience required above to be eligible to perform this Project. Bids by Contractors that lack the proper license or requisite work experience set forth above will be rejected as non-responsible, non-responsive, and/or not in the best interests of TMWA

II. OPENING OF BIDS

A. Opening of Bids.

All Bids received on time and that comply with these requirements will be opened and publicly read aloud at the time and place set forth in the Invitation to Bid. Bidders, their representatives, and all other interested persons may be present at the opening and reading of Bids. Any Bids received after the time for receiving and opening Bids, as set forth in the Notice To Bidders and any Addendum, will not be considered. Any such Bids will be returned unopened to the Bidder.

B. Mistake In Bid

A request for withdrawal of a Bid due to a purported error shall not be considered unless it is given in writing to the Contract Administrator by the Bidder within forty-eight (48) hours after opening of the bid. Any such request shall contain a full explanation of any purported error and shall be supported by the original calculations on which the Bid was computed, together with a certification and notarization thereon that such calculation is the original as prepared by the Bidder or his agent.

In the case of a difference between written words and figures, the amount stated in written words shall govern for a Lump Sum Bid.

In the case of a difference between Unit Price and the extended price, the Unit Price shall govern.

C. Withdrawal of Bid

Before Bid Opening - A Bidder may request withdrawal of his/her posted, sealed Bid prior to the scheduled Bid opening time provided the request is submitted to the Contract Administrator's Office in writing or an authorized representative must present himself with proper identification to the

Contract Administrator's office and verbally request that the Bid be withdrawn.

After Bid Opening - No Bids may be withdrawn for a period of thirty (30) calendar days after the date of Bid opening, except as set forth in A above. All responsive and responsible Bids received are considered firm offers for the time period specified above and may be considered for award. The Bidder's offer will expire at the time specified above or upon acceptance by Truckee Meadows Water Authority, which occurs when the successful Bidder provides the bonds, insurance, and submits the signed Contract to Truckee Meadows Water Authority for execution and Truckee Meadows Water Authority executes the Contract.

III. AWARD OF CONTRACT/REJECTION OF BIDS/DISQUALIFICATION OF BIDDERS

A. Award of Contract

Truckee Meadows Water Authority will award the Contract pursuant to the provisions of State law including but not limited to:

- (a) Chapter 332 (Purchasing: Local Governments)
- (b) Chapter 339 (Contractor's Bonds)
- (c) Chapter 624 (Contractors).

B. Rejection of Bids

Truckee Meadows Water Authority reserves the right to waive any informality or irregularity in any Bid received, and to reject any or all Bids. In the case of rejection of all Bids, Truckee Meadows Water Authority reserves the right to advertise for new Bids or to proceed to do the Work otherwise if it is in the best interest of Truckee Meadows Water Authority.

C. Irregular Bid

A Bid shall be considered irregular for the following reasons, any one or more of which may be cause for rejection:

- 1. If the Bid Schedule furnished by Truckee Meadows Water Authority is not used or is altered.
- 2. If there are unauthorized additions, conditional or alternate Bids, or omissions or irregularities of any kind which may tend to make the Bid incomplete, indefinite or ambiguous as to its meaning, or give the Bidder submitting the same an unfair competitive advantage over other Bidders.
- 3. If the Bid submitted contains any erasure, interlineations, or other corrections unless each such correction is prepared and authenticated in acceptance with the provisions of Paragraph IB.1.E (1).

D. Unbalanced Bid

If the Unit Bid Item prices and/or schedule of values of a prospective Bidder's Bid are obviously unbalanced, either in excess or below the reasonable cost analysis values, the Bid may be rejected. All Bids with separately priced line items shall be analyzed to determine if the prices are unbalanced. A bid may be rejected if Truckee Meadows Water Authority determines that the lack of balance poses an unacceptable risk to Truckee Meadows Water Authority.

A Bid with unbalanced pricing may increase performance risk and could result in payment of unreasonably high prices. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more bid items is significantly over or understated as indicated by the application of cost or price analysis techniques. The greatest risks associated with unbalanced pricing occur when:

- 1. Over pricing of startup work, mobilization, or early items of work (front end

- loading) would cause a bidder to receive substantial up-front payment;
2. Base quantities and option quantities are separate line items;
 3. The quantities as bid are incorrect and the contract cost will be increased when quantities are corrected; or
 4. On items where the quantities may vary, if the anticipated variation in quantity would result in the lower Bidder not remaining as the low Bidder.

E. Disqualification of Bidders

Any one or more of the following may be considered as sufficient for the disqualification of a prospective Bidder and the rejection of the Bid:

1. The Bidder is not responsive or responsible;
2. The quality of the services, materials, equipment or labor offered does not conform to the approved Contract plans and specifications;
3. Evidence of collusion among prospective Bidders; (Participants in such collusion will receive no recognition as Bidders)
4. Lack of contractor's license classification required by Truckee Meadows Water Authority for this Work;
5. More than one Bid for the same work from an individual, firm, or corporation under the same or different name;
6. Lack of competency, understanding of the scope of the Work, adequate machinery, plant and/or equipment as revealed by the requested experience or subcontractor information;
7. Unsatisfactory performance record as shown by past work for Truckee Meadows Water Authority, judged from the standpoint of workmanship, progress, and quality of services/goods provided;
8. Uncompleted work which, in the judgment of Truckee Meadows Water Authority, might hinder or prevent the prompt completion of additional work, if awarded;
9. Failure to pay or satisfactorily settle all bills due for labor and material on any contract(s);
10. Failure to comply with any requirements of Truckee Meadows Water Authority;
11. Failure to list, as required, all subcontractors who will be employed by the Bidder;
12. Negative actions against the Contractor's license by the Nevada State Contractor's Board; or
13. Any other reason determined, in good faith, to be in the best interest of Truckee Meadows Water Authority.

IV. BID PROTESTS

The Truckee Meadows Water Authority Contracts Division will post the recommendation for award of this Contract on the website: http://www.tmh2o.com/about_us/doingbusinesswithtmwa/ . Any Bidder which submitted a bid to TMWA may protest the recommendation for award in accordance with the procedures set forth in NRS 338.142 as if such procedures applied to a contract awarded under NRS 332. The protest must be submitted in writing to TMWA's Purchasing and Contracts

Administrator. In addition to any other information required by law, the protest shall include the following information:

1. The alleged violations(s) of: (a) Contract Documents referencing page number, item, and paragraph; (b) Nevada Revised Statutes referencing the specific chapter, section, and subsection; or (c) Local codes or ordinances referencing section number; and
2. Supporting documentation such as Nevada State Contractors Board licensing information or other detailed proof to substantiate the protest.

The Bidder filing the protest shall, at the time the protest is filed, post a bond with a good and solvent surety authorized to do business in the state of Nevada, or submit a cashier's check, money order, or certified check, to TMWA who will hold the bond or other security until a determination is made on the protest. The bond or other security submitted with the protest shall be in an amount equal to the lesser of 25 percent of the total Base Bid submitted by the Bidder filing the protest, or \$250,000.00.

If the protest is upheld, the bond or other security will be returned to the Bidder who submitted the protest. If the protest is rejected, a claim may be made by TMWA against the bond or other security in an amount equal to the expenses incurred by TMWA because of the unsuccessful protest. Any money remaining after the claim has been satisfied will be returned to the Bidder who posted the bond or submitted the security.

The protest filed in accordance with these provisions operates as a stay of action in relation to award of the Contract until a determination is made by TMWA on the protest.

An unsuccessful Bidder may not seek any type of judicial intervention until TMWA has made a determination on the protest and awarded the Contract.

TMWA will not be liable for any costs, expenses, attorney's fees, loss of income, or other damages sustained by a Bidder, whether or not the Bidder files the protest.

TMWA's Administrator of Purchasing and Contracts will promptly issue a decision in writing to the protester and any other party intervening. If the protester or any other intervening party wishes to appeal the decision rendered by TMWA's Administrator of Purchasing and Contracts to the TMWA Board, such appeal shall be made within 48 hours from receipt of the decision by submitting a notice of appeal in writing to TMWA's Administrator of Purchasing and Contracts.

An award recommendation will be made and presented to the Truckee Meadows Water Authority for a final decision. TMWA will not consider protests unless the procedures specified in this Section are followed.

V. BID PREPARATION EXPENSES

By accepting the Bid Proposal of the Bidder, Truckee Meadows Water Authority assumes no obligation to reimburse the Bidder for Bid preparation expenses. No Bidder shall have any right or claim against Truckee Meadows Water Authority for reimbursement of Bid preparation expenses.

VI. COLLUSION, DISCRIMINATION, AND/OR PRICE FIXING

The Bidder certifies that any and all prices which he may charge under the terms of the Contract do not, and will not, violate any existing federal, state or municipal laws or regulations concerning discrimination and/or price fixing. The Bidder agrees to indemnify, exonerate and hold Truckee Meadows Water Authority harmless from liability for any such violation now and throughout the term of the Contract.

VII. CONTRACT AWARD

A. Method of Award. The Bid, if awarded, will be awarded to the lowest responsive and

responsible Bidder. Bidder must bid all items to be responsive and considered for award.

B. Time of Award. The award, if made, will be within thirty (30) calendar days after the opening of Bids. Truckee Meadows Water Authority reserves the right to accept or reject any or all Bids received.

C. Bonds. The successful contractor will be required to provide the Bonds as indicated in Article 5 of the General Conditions.

D. Insurance. Insurance as described in the General Conditions shall be required of the Contractor not later than ten (10) calendar days after receipt of the Notice of Award. The Contractor shall procure and maintain, at its own expense, all the insurance required as stated herein, and shall submit coverage verification (certificates) for review and approval by Truckee Meadows Water Authority. A Notice to Proceed may be issued prior to receipt of the required insurance, bonds, and signed contracts starting the time for contract performance on the project, however, the Contractor will not be permitted to work prior to Truckee Meadows Water Authority's receipt and approval of the insurance, bonds and signed contract. Said certificates shall be specific to the project and all notices regarding insurances shall be delivered to:

Truckee Meadows Water Authority
Attn: Maria Dufur, New Business Project Coordinator
P. O. Box 30013
Reno, NV 89520

The Notice to Proceed shall not be issued and Contractor shall not commence work, until such insurance has been approved by Truckee Meadows Water Authority. The Contractor shall not allow any subcontractors to commence work on its subcontract until all similar insurance required of the subcontractor has been obtained and verified by Contractor. Such insurance shall remain in full force and effect at all times during the execution of the Work and until the final completion and acceptance thereof and at all times thereafter as dictated in this Contract and the General Conditions.

If the Contractor fails to maintain any of the insurance coverage required herein, Truckee Meadows Water Authority will have the option to declare the Contractor in breach, or may purchase replacement insurance or pay the premiums that are due on existing policies in order that the required coverage may be maintained. The Contractor is responsible for any expenses paid by Truckee Meadows Water Authority to maintain such insurance and Truckee Meadows Water Authority may collect the same from the Contractor or deduct the amount paid from any sums due the Contractor under the Contract.

The insurance requirements specified herein do not relieve the Contractor of responsibility or limit the amount of liability to Truckee Meadows Water Authority or other persons, and the Contractor is encouraged to purchase such additional insurance as he deems necessary.

E. Penalty for Collusion. If, at any time, it is found that the Contractor has, in presenting any bid or bids, colluded with any other party or parties, then the Contract shall be null and void, and the Contractor and its sureties shall be liable for loss or damage which Truckee Meadows Water Authority may suffer thereby, and Truckee Meadows Water Authority may advertise for new bids for said Work. The Contractor further certifies that any and all prices which he may charge under the terms of the Contract do not, and will not, violate any existing Federal, State or Municipal laws or regulations concerning discrimination and/or price fixing.

F. Copeland Anti-Kickback Law. The Contractor shall comply with the Copeland Anti-Kickback Act (19 U.S.C. 874) as supplemented in the Department of Labor Regulations (29 CFR Part 3). This act provides that each Contractor or subcontractor shall be prohibited from inducing by any means, any person employed in the construction, completion or repair of public

facilities, to give up any part of the compensation to which he is otherwise entitled.

G. Media Contact. The Contractor shall immediately contact the TMWA Project Manager assigned to them, if they are approached by the media while working on any TNWA project.

END OF INSTRUCTIONS TO BIDDERS

BID PROPOSAL FORMS

BID BOND
NOT REQUIRED FOR THIS PROJECT

KNOW ALL MEN BY THESE PRESENTS, that I/We _____

as Principal, hereinafter called Contractor, and

a corporation duly organized or authorized to do business under the laws of the State of Nevada, as Surety, hereinafter called the Surety, are held and firmly bound unto Truckee Meadows Water Authority, a joint powers authority created pursuant to NRS Chapter 277, for the sum of \$ _____ Dollars

(state sum in words)

for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents. This bond shall be governed by the laws of the State of Nevada.

WHEREAS, the Principal has submitted a bid, identified as **TMWA Project #2015-012** and titled "**10-12 Yard Elliptical Dump Bed Dump Truck.**"

NOW, THEREFORE if Truckee Meadows Water Authority shall accept the bid of the Principal and the Principal shall enter into a contract with Truckee Meadows Water Authority in Accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to Truckee Meadows Water Authority the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which Truckee Meadows Water Authority may in good faith contract with another party to perform work covered by said bid or an appropriate liquidated amount as specified in the Invitation for Bids then this obligation shall be null and void, otherwise to remain in full force and effect.

Executed on this _____ day of _____, 20____

(Signature of Principal)

Name: _____

Title: _____

(Seal)

Firm: _____

Address: _____

City/ State / Zip Code: _____

Written Name of Principal: _____

(Signature of Notary)

ATTEST NAME: _____

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

(printed name of notary)

Notary Public for the State of _____

Claims Under This Bond May Be Addressed To:	
Name of Surety	
Address	
City	
State/Zip Code	
Name	
Title	
Phone	
Surety's Acknowledgment	

NOTICE: No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service of process in the State of Nevada. Certified copy of Power of Attorney must be attached.

BID SCHEDULES
(Cont)

BID SCHEDULES

BID TITLE: 10-12 Yard Elliptical Dump Bed Dump Truck

NOTICE: No substitution or revision to this Bid Schedule form will be accepted. Truckee Meadows Water Authority will reject any Bid that is received that has changes or alterations to this document.

PRICES must be valid for 30 calendar days after the bid opening.

COMPLETION of this project is expected **PURSUANT TO CONTRACT DOCUMENTS**.

BIDDER acknowledges receipt of _____ Addendums.

Item pricing on this schedule is for use in preparing the schedule of values that will be used as a basis for partial payment during construction and for internal TMWA use. Item descriptions are not intended to be all inclusive. Bidders shall include costs for work not specifically mentioned in the most appropriate item.

TMWA reserves the right to perform extra work using time and expense or negotiated lump sum procedures.

The Contract Sum will be adjusted (increased or decreased) for actual quantities per unit price items. Lump sum items will not be adjusted.

Compliance with all permit and environmental requirements is incidental to the Work. No separate bid item, or additional payment provisions, shall be made for operational constraints or conditions placed on the Work by permitting agency requirements.

(signature)

SUMMARY

Description	Scheduled Value	Unit	Unit Price	Total Price
No. 1 10-12 Yard Elliptical Dump Bed Dump Truck Cab and Chassis per Specifications included as Attachment "A" pages 1-8 at the end of the Bid Schedule	LS	1		
No. 2 Elliptical Dump Bed and Installation of all components per specifications attached as Attachment "A" pages 1-8 at the end of the Bid	LS	1		
Sales Tax Omitted from bid (Tax Exempt #RCE-006-161 – Federal Tax ID#88-0488450)	N/A	N/A	N/A	N/A
DELIVERY DATE (Must be Filled in by Bidder)				
TOTAL BID PRICE				

Total Bid Price Written in Words: _____

Notes: None

BID SCHEDULES
(Cont)

BIDDER INFORMATION:

Company Name:
Address:
City:
State / Zip Code:
Telephone Number including area code:
Fax Number including area code:
E-mail:

LICENSING INFORMATION: (Not Required for This Project):

Nevada State Contractor's License Number: N/A
License Classification(s):
Limitation(s) of License:
Date Issued:
Date of Expiration:
Name of Licensee:
City, State, Zip Code of Licensee:
Telephone Number of Licensee:

BUSINESS LICENSE INFORMATION: (Required for This Project)

Business License Number:
Date Issued:
Date of Expiration:
Name of Licensee:
City, State, Zip Code of Licensee:
Telephone Number of Licensee:

Taxpayer Identification Number:

BID SCHEDULES
(Cont)

DISCLOSURE OF PRINCIPALS:

1. Individual and/or Partnership:

Owner 1) Name:
Address:
City, State, Zip Code:
Telephone Number:
Owner 2) Name:
Address:
City, State, Zip Code:
Telephone Number:
Other 1) Title:
Name
Other 2) Title:
Name:

2. Corporation:

State in which Company is Incorporated:
Date Incorporated:
Name of Corporation:
Address
City, State, Zip Code:
Telephone Number:
President's Name:
Vice-President's Name:
Other 1) Name:
Title:
Other 2) Name:
Title

BID SCHEDULES

(Cont)

MANAGEMENT AND SUPERVISORY PERSONNEL:

Persons and Positions	Years With Firm
Name	
Title	
Name	
Title	
Name	
Title	

(If additional space is needed, attach a separate page)

REFERENCES: (Not Required for This Project)

1. **Instructions:**

List at least three (3) contracts of a similar nature performed by your firm in the last three (3) years. If **NONE**, use your Company's letterhead (and submit with your bid proposal) a list what your qualifications are for this contract. Truckee Meadows Water Authority reserves the right to contact and verify, with any and all references listed, the quality of and the degree of satisfaction for such performance. See the Supplemental Conditions for the TMWA Project Category required for this project.

2. **Clients:** (if additional space is needed attach a separate page)

Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	

BID SCHEDULES
(Cont)

Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Project Name:	
Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Project Name:	
Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	

BID SCHEDULES

(Cont)

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or Local department or agency.
 - b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or Local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Signature of Authorized Certifying Official

Title

Printed Name

Date

I am unable to certify to the above statement. My explanation is attached.

Signature

Date

BIDDER'S SAFETY INFORMATION (Not Required for This Project)

Bidder's Safety Factors:

Year	"E-Mod" Factor ¹	OSHA Incident Rate ²
2013		
2014		

¹ E-Mod (Experience Modification) Factors are issued by the National Council on Compensation Insurance (NCCI).
² OSHA Incident Rate is the number of OSHA Recordable Accidents multiplied by 200,000 and then dividing that result by the total number of annual man-hours. Please refer to the U.S. Department of Labor Occupational Safety and Health Administration's website for calculating worksheets and current requirements.

ACKNOWLEDGMENT AND EXECUTION

STATE OF _____)
) SS
County of _____)

(Name of Principal)

Hereby deposes and says under the penalty of perjury:

That he/she is the Contractor, or authorized agent of the Contractor for whom the aforesaid described work is to be performed by; that he/she has read the Plans, Specifications, and related documents including but not limited to, any addendums issued and understands the terms, conditions, and requirements thereof; that if his/her bid is accepted that he/she agrees to furnish and deliver all materials except those specified to be furnished by Truckee Meadows Water Authority (Owner) and to do and perform all work for the **"10-12 Yard Elliptical Dump Bed Dump Truck," TMWA 332 Project Number 2015-012**, together with incidental items necessary to complete the work to be constructed in accordance with the Specifications, Plans, and Contract Documents annexed hereto.

TO THE GENERAL MANAGER OF TRUCKEE MEADOWS WATER AUTHORITY, NEVADA:

The undersigned, as bidder, declares that the only persons or parties interested in this proposal, as principals, are those named herein, the bidder is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid: that this proposal is made without collusion with any other person, firm or corporation; that he/she has carefully examined the location of the proposed work; the annexed proposed form of Contract, the Contract Provisions, Plans, Specifications and Contract Documents incorporated therein referred to and made part thereof; that he/she proposes and agrees if this proposal is accepted, that he/she will contract with Truckee Meadows Water Authority in the form of the Contract prescribed, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the Contract and annexed Contract Provisions, Plans and Specifications, in the manner and time prescribed and according to the requirements of the Project Representative as therein set forth, it being understood and agreed that the quantities shown herein are approximate only and are subject to increase or decrease, and that he/she will accept, in full, payment therefore the indicated prices.

Contractor/Bidder: _____

(Printed Name of Contractor/Bidder)

BY: _____

Firm: _____

Address: _____

L.S.

City: _____

State / Zip Code: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

(Signature of Principal)

Signature: _____

DATED this _____ day of _____, 20__.

State of Nevada)
) S.S.
County of _____)

On this _____ day of _____, in the year 20__, before me,

/Notary Public, personally appeared _____ Personally known to me (or proved

to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument, and acknowledged that he (she) executed it. WITNESS my hand and official seal.

Notary's Signature: _____ My commission Expires: _____

10-12 Yard elliptical dump bed Dump Truck.

The specification provided is based on an International cab and chassis, the Truckee Meadows Water Authority will consider other models as long as they can be compared as equal to or better.

Model Profile

2016 7600 SBA 6X4 2010 (SF667)

APPLICATION:	Rock Body
MISSION:	Requested GVWR: 58000. Calc. GVWR: 53220 Calc. Start /Grade Ability: 17.00% /2.44% @ 55 MPH Calc. Geared Speed: 88.3 MPH
DIMENSION:	Wheelbase: 193.00, CA: 125.90, Axle to Frame: 96.00
ENGINE, DIESEL:	{Navistar N13} EPA 2010, SCR, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 4000_RDS_P} 5th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder
AXLE, FRONT NON-DRIVING:	{Dana Spicer I-180W} Wide Track, 1-Beam Type, 18,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, With Lube Oil Pump, With Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 3.91 Conventional
CAB:	(2) 11R22.5 G662 FUEL MAX (GOODYEAR) 497 rev/mile, load range H, 16 ply
TIRE, FRONT:	(8) 11R22.5 UNISTEEL G177 (GOODYEAR) 493 rev/mile, load range H, 16 ply
TIRE, REAR:	{Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
SUSPENSION, REAR, TANDEM:	Cab schematic 100GS
PAINT:	Location 1: 9219, Winter White (Std) Chassis schematic N/A

2016 7600 SBA 6X4 2010 (SF667)

Base Chassis, Model 7600 SBA 6X4 2010 with 193.00 Wheelbase, 125.90 CA, and 96.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL

BUMPER, FRONT Steel, Swept Back

WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm)

AXLE, FRONT NON-DRIVING {Dana Spicer I-180W} Wide Track, 1-Beam Type, 18,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; With Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers

TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck

DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (6-Channel; 6 Sensor/6 Module) With Automatic Traction Control

AIR DRYER {Bendix AD-IP} With Heater

BRAKE CHAMBERS, FRONT AXLE {Haldex} 24 SqIn

BRAKE CHAMBERS, REAR AXLE {MGM MJS3024ET} 30/24 Piston Spring Brake

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 8.625"; Includes 30/24 Sq.In. Long Stroke Brake Chambers and Piston Type Spring Actuated Parking Brakes

AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power

EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

ENGINE COMPRESSION BRAKE by Jacobs; for N13 Engines, With Selector Switch and On/Off Switch

TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Bosch L1L165 Long Life} Brush Type, 12 Volt 165 Amp. Capacity, Pad Mount, with Remote Voltage Sensor

BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package With Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/3MM Auxiliary Input, MP3, Apple Device Play & Control, Bluetooth for Phone & Music, with Multiple Speakers

BACK-UP ALARM Electric, 102 dBA

TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch

HORN, ELECTRIC Disc Style

BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

HORN, AIR (2) Single Tone, Rectangular; Chrome. Roof Mounted

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt. with Soft-Start

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

FENDER EXTENSIONS Rubber

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

BUG SCREEN Front End; Mounted Behind Grille

FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood

PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT TYPE Base CoaUClear Coat, 1-2 Tone

CLUTCH Omit Item (Clutch & Control)

PTO EFFECTS, ENGINE FRONT for N13 Engines, Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1929 SqIn Dual CAC, 1548 SqIn 3 CoreLTR

FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; N13 Engines

AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control

ENGINE CONTROL, REMOTE MOUNTED for PTO with N13 Engines

FAN OVERRIDE Manual; With Electric Switch on Instrument Panel, (Fan On With Switch On)

BLOCK HEATER, ENGINE {Phillips} 120 Volt 1500 Watt With "Y" Cord for Fuel Heater; Cord to Operate Both Heaters

COLD STARTING EQUIPMENT Automatic; With Engine ECM Control

OIL LEVEL SENSOR Displays warning in cluster when Oil Level is low

OIL PAN Rust Protected (Resistive Coating), For N13 Engines

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

COOLANT FILTER for 2010 N13 Engines

EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

TRANSMISSION, AUTOMATIC {Allison 4000_RDS_P} 5th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder

OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil, for Allison or CEEMAT Transmission

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission

SHIFT CONTROL PARAMETERS Allison S-1 Performance Programming in Primary and Allison Fixed Programming in Secondary

TRANSMISSION OIL Synthetic; 63 thru 76 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction

AXLE, REAR, TANDEM {Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, With Lube Oil Pump, With Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 3.91

SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions

DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints

DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 120 Volt Pre Heater and Fuel Heated, Thermostatic Fuel Temperature Control, Includes Water-In-Fuel Light, Mounted In Standard Position

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 70 U.S. Gal., 265 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

FUEL COOLER Less Thermostat; Mounted in Front of Cooling Module

CAB Conventional

HEATER SHUT-OFF VALVES (1) Gate Valve Type

GAUGE CLUSTER English With English Electronic Speedometer

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

GAUGE, DEF FLUID LEVEL

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, PASSENGER {National} Non Suspension, High Back With Integral Headrest, Vinyl With Fixed Back, With Under Seat Storage

MIRRORS (2){Lang Mekra} Rectangular, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms

CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator, Premium Floor mat, and Sound Dampening Patches

WINDSHIELD Heated, Single Piece

ARM REST, RIGHT, DRIVER SEAT

AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

INSTRUMENT PANEL Center Section, Flat Panel

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

HVAC FRESH AIR FILTER

STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

CAB INTERIOR TRIM Deluxe

CAB REAR SUSPENSION Air Bag Type

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

WINDSHIELD WIPER BLADES Snow Type

WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 5-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and Steel Hubs

WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

(8) TIRE, REAR 11R22.5 UNISTEEL G177 (GOODYEAR) 493 rev/mile, load range H, 16 ply

(2) TIRE, FRONT 11R22.5 G662 FUEL MAX (GOODYEAR) 497 rev/mile, load range H, 16 ply

SPECIFICATIONS FOR DUMP BODY

BODY DIMENSIONS

Body to be elliptical shaped 15' Long X 84"- 86" inside width with side height of 42"- 50". Floor, sidewalls, front and tailgate to be minimum 1/4" AR400. Tailgate to be high-lift air operated and also to be outfitted with 16" wide coal chute centered in tailgate. Tailgate latch to be air operated from cab. Body to be equipped with full-length fenders.

BODY CONSTRUCTION

UNDERSTRUCTURE

Longitudinal design (no cross members). 8" X 15" wide flange structural steel "I" beam longitudinales. Body is to have 3/8" thick rubber cushion strips that are vulcanized to steel strips welded to the underside of the longitudinales. 8" X 3/4" deep rear cross member with return flanges for added strength.

Body shall be of longitudinal design eliminating cross bars and providing greater torsion resistance to twisting. Two (2) 7" structural channel stringers shall run full length of body (no sub-frame). Body will have a minimum of three cross members (2" x 4" Steel Tubing). No welds shall be allowed in mounting body to frame. No doghouse allowed inside body.

NOTE: All nuts and bolts used in mounting hoist and body will be grade 8 with Grade 8 self-locking flange nut. Shall be American made with certificate of origin on request.

FLOOR

Floor shall be constructed of 1/4", 400 BHN 180/220,000 PSI, one piece (no seams), with radius side formed floor to side.

SIDES

Sides shall be constructed of 1/4" 400 BHN, high strength steel with full length, boxed, top rail that is 8" high X 6" wide, tapering outward and 8" high X 6" deep sloping bottom side rail both formed from one sheet of steel. No horizontal exterior welds. Interior side plate welded to the floor and enclosing the top rail to form a double wall. Both seams in the load area are to be fully welded.

FRONT END

Shall be 1/4" 400 BHN tensile steel with 2 horizontal braces. Out board cylinder housing for Williamsen inverted lift hoist (No protrusion into the load area). Front of dump body box shall be a minimum 8' higher than side height before headboard (cab shield) is mounted.

Cab shield – 7 Gauge high Ten 23" x 84" - 86"

SAFETY STRUT

Body shall be equipped with dual OSHA approved safety struts. Dual tubular safety struts constructed of 2 1/4" pipe. The pivot end of the strut shall be welded to the outside of the longitudinal and to pivot downward into a prop pocket. The strut is held in the stowed position by a spring-loaded catch.

Safety struts will be self-centering and shall be capable of holding a loaded dump body in a 30 degree raised position. Safety struts shall be secured when in the stored position. Strut operating handle shall be located outside of frame rails.

TAILGATE

Tailgate shall be of double wall design; interior plate shall be 1/4" BHN steel. The exterior plate must be constructed of 1/4" BHN steel and have a top, bottom and two intermediate sloping horizontal braces formed into the panel. No horizontal exterior welds. Vertical side braces shall be 3" X 3" X 1/4" square tubing capped on both ends. Y4 flame cut hi tensile steel upper hinge, 1 1/4" hinge pins with greaseless bushing, 1 1/4" solid steel lower cross shaft, 5/8" flame cut hi tensile steel overlock hardware. Tailgate locked by over center hardware at the rear of the body with spring type air cylinder (air to open, spring to close, over center to lock). An air-operated switch for operation of tailgate shall be located on left side of dashboard within easy reach of operator. Tailgate must have heavy-duty "D" ring mounted on top center for easy removal of gate. Tailgate spreader chain kit, high lift air operated tailgate, all air cylinders to be mounted and protected from debris, preferred location inside corner post. Tailgate release and high lift switch to be located adjacent to each other in cab. A spreader apron that runs the entire length of tailgate opening.

Shall be equipped with a flush mounted strobe, combination turn, stop and tail lights recessed into the upper rear corner posts, one each side, rear facing, at a height of approximately 65". All lights will be enclosed with a Trucklite sealed system for protection from elements. Side clearance lights, rear marker lights, combination stop/turn and tail lights (all LED) as well as back up lights are to be recessed into the corner post below the strobe lights. Lights are to have sealed wiring harness. Strobe lights will be equipped with amber (LED) lens.

SIDE RAILS

Dump body shall be equipped with side rails constructed of 6" x 2" x 1/4" rectangular structural tubing, welded securely to body with 6 inch welds every 6".

HOIST

Shall be single front mount telescopic cylinder Class 100. Minimum inside diameter of hoist ram will be 6". Cylinder will be trunnion mounted in front of and attached to front headboard. Cylinder will not protrude into the load area. Nor protrude out front of dump body more than 12". A cylinder housing inside of the body will NOT be acceptable. The bottom cylinder pin is a 1" diameter cold rolled steel shaft that pivots on two 1" flame cut pin bearings, the pin is held in place by two 3/8" bolts. The bearings are welded to a 5" X 5" X 1/2" square tubing cross member that is welded to 3" X 5" X Y2" angles that are over the top and down the outside of the truck frame. The cylinder attaches to the body through two "lift straps" that are bolted to the body longitudinally with six 5/8" grade 8 bolts, each side. The rear hinge pin is constructed from 'A' plate, 37 3/4" wide X 21 7/8" high that extends below the bottom of the truck frame and is the trailer hitch buck plate. Installed as to become the trucks rear cross member. Two 5" wide X 8 'A' long cast hinge pads pivot on one full width 2 3/8" hinge pin. The hinge pin rides in 1" thick flame cut hinge bearings. Pivot points utilize greaseless phenolic bushings.

Hoist shall have a heavy-duty frame mounted hinge 38" wide and 23" deep constructed of 3/8" steel. Hinge shall be brake formed with return flanges. A cable shut-off control will be provided

to prevent damage of telescopic cylinder when bed is raised. Commercial Shearing No. 63140 or equal. 5/8" grade 8 bolts with self-locking flange nuts will be used to mount hoist to frame.

DUMP BODY MOUNTING

Dump body hinge pin to be approximately 4" from end of frame. Distance from the back of rear tire to the end of the body shall be minimum of 22". The rear hinge pin shall be 2 -3/8" diameter and 38" long. Wide steel hinge bearings shall be equipped with grease fittings for lubrication. Body shall have a minimum of 6" clearance between underside of body and top of tires.

A hard rubber stringer shall run the full length of the dump body between dump body and truck frame to act as a wear strip. No welds will be allowed on frame.

PINTLE HOOK

Shall be equipped with a Premier No. 580 or equal. Seventy thousand (70,000) pound tensile strength. Shall be mounted below rear frame cross member 31" from ground level to bottom of eye and shall be mounted on 1/2" buck plate with V-braces bolted (grade 8 bolts) to the truck frame or welded to the rear cross member. NO welds on the frame will be allowed. Two "D" rings will be mounted to plate next to pintle, one on each side, near bottom. Rings will be a buyers Model # B48 or equal, with a breaking strength of 46,000 lbs. Trailer brake glad hands to be located above and on each side of the pintle. Trailer electrical plug to also be located on rear. (location and type of pin connectors to be determined at time of build). A LED flood type spot light to be mounted on buck plate below spreader apron with control switch mounted in the cab with indication light located next switch. (Illuminated switch is acceptable).

Additional combination turn, stop and tail lights (LED) mounted each side of buck plate.

MUD FLAPS

Shall be equipped with mud flaps in front of and behind the rear wheels. Rear mud flaps shall be stay put or equal minimum 1/2" rubber. Front mud flaps will be of metal 10 gauge reinforced steel permanently mounted and suspended from frame. Clearance between top of flap and bottom of bed will be a maximum of 1".

HYDRAULIC SYSTEM AND HOSES

Hydraulic oil tank to be constructed of 10-gauge steel with drain valve. Tank will be mounted on the left hand side and shall be securely fastened to the frame. Return line filter shall be firmly mounted inside the truck frame for protection. Tank will have a visual sight glass and have a metal filler neck located on the top. A direct mount hydraulic pump/valve with a matched rating for the required cylinder and accessories. Dual-lever controller with air shift control mounted near driver on illuminated floor mounted console. Dash mounted body up indicator light. All PTO controls to be mounted in the cab.

Miscellaneous Items

TOOL BOX

A 36"x18"x18" tool box mounted to frame on the right side.

SIDE LADDER

Located on street side front mounted to the bed to be utilized for checking loads.

CHOCK BLOCK STORAGE

Storage areas for 2 wheel chocks to be located under the dump bed on each side.

Cone Holder

Cone holder mounted to front bumper that will hold up to four (4) 24" traffic cones.

SAFETY LIGHTING

In addition to the rear strobes, front mounted LED strobes that are flush mounted into the front bumper curb and street side facing front. A single amber LED beacon to mounted center of cab roof just forward of the cab shield.

PAIN

All truck and bed items to be primer painted and then painted white to match the cab. Underside of body to be undercoated (TMWA to approve undercoating).

CAB SWITCHES AND CONTROLS

All switches and controls must be labeled as to function.

"SAMPLE AGREEMENT"
10-12 YARD ELLIPTICAL DUMP BED DUMP TRUCK
TMWA Project No.: 2015-012
PURCHASE AGREEMENT
(NRS 332)

THIS EQUIPMENT/PRODUCT PURCHASE AGREEMENT (also herein referred to as "Contract"), made and entered into this _____ day of _____, 20____, by and between the Truckee Meadows Water Authority hereinafter called "TMWA" and _____, hereinafter called the "Supplier".

WITNESSETH, that TMWA and the Supplier, for the consideration hereinafter named, agree as follows:

Article 1 Scope of Work

The Supplier shall provide equipment/product for the 10-12 Yard Elliptical Dump Bed Dump Truck Cab and Chassis and Dump Bed Installed and Complete ("Dump Truck") and provide all of the equipment and services described in the specification prepared by TMWA (Exhibit "A" attached hereto) and as amended by specific addenda, and shall do everything required by this Agreement in furnishing the Dump Truck.

Delivery of the Dump Truck shall be to TMWA's Corporate Boulevard Yard located at 1355 Capital Boulevard, Reno, Nevada.

Article 2 Contract Time, Guaranteed Delivery Date, and Liquidated Damages

Supplier agrees to deliver the Dump Truck, in a good and satisfactory condition, pursuant to the Specification to the TMWA Corporate Boulevard Yard site located at 1355 Capital Avenue, Reno, Nevada no later than One Hundred Twelve (112) days following the issuance of the Notice to Proceed, unless otherwise agreed to between the parties, which is the Guaranteed Delivery Time as defined in the Bid Package.

TMWA and Supplier recognize that time is of the essence of this Agreement.

Article 3 The Contract Sum

TMWA shall pay Supplier, as full compensation for furnishing the Dump Truck, services, and other specified items in accordance with the Contract Documents and to the satisfaction of TMWA, the lump sum amount of: _____ **Dollars (\$0.00).**

Article 4 Payment

Payment for the Dump Truck item described on the Bid Schedule will be made within 30 days of the later of: i) inspection by TMWA and acceptance of delivery of such Dump Truck; or ii) receipt of an invoice for the Dump Truck item.

Article 5 Acceptance and Final Payment

Testing and acceptance of the Dump Truck shall be as specified in the Specifications, Bid and Contract Documents. Acceptance of final payment by the Supplier shall constitute a full waiver and release by the Supplier of all claims against TMWA arising out of or relating to this Agreement.

Article 6 The Contract Documents

The following is an enumeration of the Contract Documents that are fully a part of the Contract as if herein repeated:

1. Bid Documents and Bid Form
2. Agreement
3. Specifications
4. Addenda

Article 7 Warranty

Supplier warrants that the Dump Truck furnished under the Contract will be of good quality and new and that the Dump Truck will be free from defects and will conform with the requirements of the Specifications, Bid and Contract Documents.

Article 8 Indemnification/Hold Harmless

Notwithstanding any provision to the contrary in the Contract Documents, TMWA waives any requirement that the Supplier on this bid provide insurance (other than property insurance insuring risk of loss until delivery and acceptance by TMWA) in connection with the delivery of the Dump Truck.

Article 9 Performance Bond (*Not Required*)

Article 10 Termination

In addition to other provisions of this Agreement, TMWA may terminate the Agreement in accordance with the procedures specified in the Bid Documents, Bid Form, Specifications and Contract upon giving Supplier seven day notice in writing.

Article 11 Governing Law

This Agreement shall be governed by, interpreted under and construed and enforced in accordance with the laws of the State of Nevada, with venue in the County of Washoe. Each

of the parties hereto acknowledge and agree that the laws of the State of Nevada and the selection of venue in the County of Washoe were freely chosen by the parties hereto.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

TRUCKEE MEADOWS WATER AUTHORITY

Dated: _____, 20__ By: _____
General Manager

ATTEST: _____
TMWA Clerk

Dated: _____, 20__ Supplier: _____
By: _____
Name: _____
Title: _____

STATE OF NEVADA)
) ss:
COUNTY OF WASHOE)

On this _____ day of _____, 20__, personally appeared before me, a Notary Public, _____, who acknowledged to me that he/she executed the foregoing Agreement for Equipment/Product as the authorized representative of the Supplier.

Notary Public

10-12 Yard elliptical dump bed Dump Truck.

The specification provided is based on an International cab and chassis, the Truckee Meadows Water Authority will consider other models as long as they can be compared as equal to or better.

Model Profile

2016 7600 SBA 6X4 2010 (SF667)

APPLICATION:	Rock Body
MISSION:	Requested GVWR: 58000. Calc. GVWR: 53220 Calc. Start /Grade Ability: 17.00% /2.44% @ 55 MPH Calc. Geared Speed: 88.3 MPH
DIMENSION:	Wheelbase: 193.00, CA: 125.90, Axle to Frame: 96.00
ENGINE, DIESEL:	{Navistar N13} EPA 2010, SCR, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 4000_RDS_P} 5th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder
AXLE, FRONT NON-DRIVING:	{Dana Spicer I-180W} Wide Track, 1-Beam Type, 18,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, With Lube Oil Pump, With Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 3.91 Conventional
CAB:	(2) 11R22.5 G662 FUEL MAX (GOODYEAR) 497 rev/mile, load range H, 16 ply
TIRE, FRONT:	(8) 11R22.5 UNISTEEL G177 (GOODYEAR) 493 rev/mile, load range H, 16 ply
TIRE, REAR:	{Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
SUSPENSION, REAR, TANDEM:	Cab schematic 100GS
PAINT:	Location 1: 9219, Winter White (Std) Chassis schematic N/A

2016 7600 SBA 6X4 2010 (SF667)

Base Chassis, Model 7600 SBA 6X4 2010 with 193.00 Wheelbase, 125.90 CA, and 96.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL

BUMPER, FRONT Steel, Swept Back

WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm)

AXLE, FRONT NON-DRIVING {Dana Spicer I-180W} Wide Track, 1-Beam Type, 18,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; With Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers

TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck

DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (6-Channel; 6 Sensor/6 Module) With Automatic Traction Control

AIR DRYER {Bendix AD-IP} With Heater

BRAKE CHAMBERS, FRONT AXLE {Haldex} 24 SqIn

BRAKE CHAMBERS, REAR AXLE {MGM MJS3024ET} 30/24 Piston Spring Brake

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 8.625"; Includes 30/24 Sq.In. Long Stroke Brake Chambers and Piston Type Spring Actuated Parking Brakes

AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power

EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

ENGINE COMPRESSION BRAKE by Jacobs; for N13 Engines, With Selector Switch and On/Off Switch

TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Bosch L1L165 Long Life} Brush Type, 12 Volt 165 Amp. Capacity, Pad Mount, with Remote Voltage Sensor

BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package With Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/3MM Auxiliary Input, MP3, Apple Device Play & Control, Bluetooth for Phone & Music, with Multiple Speakers

BACK-UP ALARM Electric, 102 dBA

TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch

HORN, ELECTRIC Disc Style

BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

HORN, AIR (2) Single Tone, Rectangular; Chrome. Roof Mounted

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt. with Soft-Start

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

FENDER EXTENSIONS Rubber

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

BUG SCREEN Front End; Mounted Behind Grille

FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood

PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT TYPE Base CoaUClear Coat, 1-2 Tone

CLUTCH Omit Item (Clutch & Control)

PTO EFFECTS, ENGINE FRONT for N13 Engines, Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1929 SqIn Dual CAC, 1548 SqIn 3 CoreLTR

FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; N13 Engines

AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control

ENGINE CONTROL, REMOTE MOUNTED for PTO with N13 Engines

FAN OVERRIDE Manual; With Electric Switch on Instrument Panel, (Fan On With Switch On)

BLOCK HEATER, ENGINE {Phillips} 120 Volt 1500 Watt With "Y" Cord for Fuel Heater; Cord to Operate Both Heaters

COLD STARTING EQUIPMENT Automatic; With Engine ECM Control

OIL LEVEL SENSOR Displays warning in cluster when Oil Level is low

OIL PAN Rust Protected (Resistive Coating), For N13 Engines

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

COOLANT FILTER for 2010 N13 Engines

EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

TRANSMISSION, AUTOMATIC {Allison 4000_RDS_P} 5th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder

OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil, for Allison or CEEMAT Transmission

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission

SHIFT CONTROL PARAMETERS Allison S-1 Performance Programming in Primary and Allison Fixed Programming in Secondary

TRANSMISSION OIL Synthetic; 63 thru 76 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction

AXLE, REAR, TANDEM {Meritor RT-46-164P} Single Reduction, Standard Width, 46,000-lb Capacity, With Lube Oil Pump, With Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 3.91

SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions

DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints

DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 120 Volt Pre Heater and Fuel Heated, Thermostatic Fuel Temperature Control, Includes Water-In-Fuel Light, Mounted In Standard Position

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 70 U.S. Gal., 265 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

FUEL COOLER Less Thermostat; Mounted in Front of Cooling Module

CAB Conventional

HEATER SHUT-OFF VALVES (1) Gate Valve Type

GAUGE CLUSTER English With English Electronic Speedometer

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

GAUGE, DEF FLUID LEVEL

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, PASSENGER {National} Non Suspension, High Back With Integral Headrest, Vinyl With Fixed Back, With Under Seat Storage

MIRRORS (2){Lang Mekra} Rectangular, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms

CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator, Premium Floor mat, and Sound Dampening Patches

WINDSHIELD Heated, Single Piece

ARM REST, RIGHT, DRIVER SEAT

AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

INSTRUMENT PANEL Center Section, Flat Panel

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

HVAC FRESH AIR FILTER

STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

CAB INTERIOR TRIM Deluxe

CAB REAR SUSPENSION Air Bag Type

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

WINDSHIELD WIPER BLADES Snow Type

WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 5-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and Steel Hubs

WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

(8) TIRE, REAR 11R22.5 UNISTEEL G177 (GOODYEAR) 493 rev/mile, load range H, 16 ply

(2) TIRE, FRONT 11R22.5 G662 FUEL MAX (GOODYEAR) 497 rev/mile, load range H, 16 ply

SPECIFICATIONS FOR DUMP BODY

BODY DIMENSIONS

Body to be elliptical shaped 15' Long X 84"- 86" inside width with side height of 42"- 50". Floor, sidewalls, front and tailgate to be minimum 1/4" AR400. Tailgate to be high-lift air operated and also to be outfitted with 16" wide coal chute centered in tailgate. Tailgate latch to be air operated from cab. Body to be equipped with full-length fenders.

BODY CONSTRUCTION

UNDERSTRUCTURE

Longitudinal design (no cross members). 8" X 15" wide flange structural steel "I" beam longitudinales. Body is to have 3/8" thick rubber cushion strips that are vulcanized to steel strips welded to the underside of the longitudinales. 8" X 3/4" deep rear cross member with return flanges for added strength.

Body shall be of longitudinal design eliminating cross bars and providing greater torsion resistance to twisting. Two (2) 7" structural channel stringers shall run full length of body (no sub-frame). Body will have a minimum of three cross members (2" x 4" Steel Tubing). No welds shall be allowed in mounting body to frame. No doghouse allowed inside body.

NOTE: All nuts and bolts used in mounting hoist and body will be grade 8 with Grade 8 self-locking flange nut. Shall be American made with certificate of origin on request.

FLOOR

Floor shall be constructed of 1/4", 400 BHN 180/220,000 PSI, one piece (no seams), with radius side formed floor to side.

SIDES

Sides shall be constructed of 1/4" 400 BHN, high strength steel with full length, boxed, top rail that is 8" high X 6" wide, tapering outward and 8" high X 6" deep sloping bottom side rail both formed from one sheet of steel. No horizontal exterior welds. Interior side plate welded to the floor and enclosing the top rail to form a double wall. Both seams in the load area are to be fully welded.

FRONT END

Shall be 1/4" 400 BHN tensile steel with 2 horizontal braces. Out board cylinder housing for Williamsen inverted lift hoist (No protrusion into the load area). Front of dump body box shall be a minimum 8' higher than side height before headboard (cab shield) is mounted.

Cab shield – 7 Gauge high Ten 23" x 84" - 86"

SAFETY STRUT

Body shall be equipped with dual OSHA approved safety struts. Dual tubular safety struts constructed of 2 1/4" pipe. The pivot end of the strut shall be welded to the outside of the longitudinal and to pivot downward into a prop pocket. The strut is held in the stowed position by a spring-loaded catch.

Safety struts will be self-centering and shall be capable of holding a loaded dump body in a 30 degree raised position. Safety struts shall be secured when in the stored position. Strut operating handle shall be located outside of frame rails.

TAILGATE

Tailgate shall be of double wall design; interior plate shall be 1/4" BHN steel. The exterior plate must be constructed of 1/4" BHN steel and have a top, bottom and two intermediate sloping horizontal braces formed into the panel. No horizontal exterior welds. Vertical side braces shall be 3" X 3" X 1/4" square tubing capped on both ends. Y4 flame cut hi tensile steel upper hinge, 1 1/4" hinge pins with greaseless bushing, 1 1/4" solid steel lower cross shaft, 5/8" flame cut hi tensile steel overlock hardware. Tailgate locked by over center hardware at the rear of the body with spring type air cylinder (air to open, spring to close, over center to lock). An air-operated switch for operation of tailgate shall be located on left side of dashboard within easy reach of operator. Tailgate must have heavy-duty "D" ring mounted on top center for easy removal of gate. Tailgate spreader chain kit, high lift air operated tailgate, all air cylinders to be mounted and protected from debris, preferred location inside corner post. Tailgate release and high lift switch to be located adjacent to each other in cab. A spreader apron that runs the entire length of tailgate opening.

Shall be equipped with a flush mounted strobe, combination turn, stop and tail lights recessed into the upper rear corner posts, one each side, rear facing, at a height of approximately 65". All lights will be enclosed with a Trucklite sealed system for protection from elements. Side clearance lights, rear marker lights, combination stop/turn and tail lights (all LED) as well as back up lights are to be recessed into the corner post below the strobe lights. Lights are to have sealed wiring harness. Strobe lights will be equipped with amber (LED) lens.

SIDE RAILS

Dump body shall be equipped with side rails constructed of 6" x 2" x 1/4" rectangular structural tubing, welded securely to body with 6 inch welds every 6".

HOIST

Shall be single front mount telescopic cylinder Class 100. Minimum inside diameter of hoist ram will be 6". Cylinder will be trunnion mounted in front of and attached to front headboard. Cylinder will not protrude into the load area. Nor protrude out front of dump body more than 12". A cylinder housing inside of the body will NOT be acceptable. The bottom cylinder pin is a 1" diameter cold rolled steel shaft that pivots on two 1" flame cut pin bearings, the pin is held in place by two 3/8" bolts. The bearings are welded to a 5" X 5" X 1/2" square tubing cross member that is welded to 3" X 5" X Y2" angles that are over the top and down the outside of the truck frame. The cylinder attaches to the body through two "lift straps" that are bolted to the body longitudinales with six 5/8" grade 8 bolts, each side. The rear hinge pin is constructed from 'A' plate, 37 3/4" wide X 21 7/8" high that extends below the bottom of the truck frame and is the trailer hitch buck plate. Installed as to become the trucks rear cross member. Two 5" wide X 8 'A" long cast hinge pads pivot on one full width 2 3/8" hinge pin. The hinge pin rides in 1" thick flame cut hinge bearings. Pivot points utilize greaseless phenolic bushings.

Hoist shall have a heavy-duty frame mounted hinge 38" wide and 23" deep constructed of 3/8" steel. Hinge shall be brake formed with return flanges. A cable shut-off control will be provided

to prevent damage of telescopic cylinder when bed is raised. Commercial Shearing No. 63140 or equal. 5/8" grade 8 bolts with self-locking flange nuts will be used to mount hoist to frame.

DUMP BODY MOUNTING

Dump body hinge pin to be approximately 4" from end of frame. Distance from the back of rear tire to the end of the body shall be minimum of 22". The rear hinge pin shall be 2 -3/8" diameter and 38" long. Wide steel hinge bearings shall be equipped with grease fittings for lubrication. Body shall have a minimum of 6" clearance between underside of body and top of tires.

A hard rubber stringer shall run the full length of the dump body between dump body and truck frame to act as a wear strip. No welds will be allowed on frame.

PINTLE HOOK

Shall be equipped with a Premier No. 580 or equal. Seventy thousand (70,000) pound tensile strength. Shall be mounted below rear frame cross member 31" from ground level to bottom of eye and shall be mounted on 1/2" buck plate with V-braces bolted (grade 8 bolts) to the truck frame or welded to the rear cross member. NO welds on the frame will be allowed. Two "D" rings will be mounted to plate next to pintle, one on each side, near bottom. Rings will be a buyers Model # B48 or equal, with a breaking strength of 46,000 lbs. Trailer brake glad hands to be located above and on each side of the pintle. Trailer electrical plug to also be located on rear. (location and type of pin connectors to be determined at time of build). A LED flood type spot light to be mounted on buck plate below spreader apron with control switch mounted in the cab with indication light located next switch. (Illuminated switch is acceptable).

Additional combination turn, stop and tail lights (LED) mounted each side of buck plate.

MUD FLAPS

Shall be equipped with mud flaps in front of and behind the rear wheels. Rear mud flaps shall be stay put or equal minimum 1/2" rubber. Front mud flaps will be of metal 10 gauge reinforced steel permanently mounted and suspended from frame. Clearance between top of flap and bottom of bed will be a maximum of 1".

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Hydraulic oil tank to be constructed of 10-gauge steel with drain valve. Tank will be mounted on the left hand side and shall be securely fastened to the frame. Return line filter shall be firmly mounted inside the truck frame for protection. Tank will have a visual sight glass and have a metal filler neck located on the top. A direct mount hydraulic pump/valve with a matched rating for the required cylinder and accessories. Dual-lever controller with air shift control mounted near driver on illuminated floor mounted console. Dash mounted body up indicator light. All PTO controls to be mounted in the cab.

Miscellaneous Items

TOOL BOX

A 36"x18"x18" tool box mounted to frame on the right side.

SIDE LADDER

Located on street side front mounted to the bed to be utilized for checking loads.

CHOCK BLOCK STORAGE

Storage areas for 2 wheel chocks to be located under the dump bed on each side.

Cone Holder

Cone holder mounted to front bumper that will hold up to four (4) 24" traffic cones.

SAFETY LIGHTING

In addition to the rear strobes, front mounted LED strobes that are flush mounted into the front bumper curb and street side facing front. A single amber LED beacon to mounted center of cab roof just forward of the cab shield.

PAIN

All truck and bed items to be primer painted and then painted white to match the cab. Underside of body to be undercoated (TMWA to approve undercoating).

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All switches and controls must be labeled as to function.