



REQUEST FOR BID No. 201404-262

TANEY COUNTY MISSOURI
Purchasing Department
132 David Street / P. O. Box 1630
Forsyth, Missouri 65653

Attn: **Ron Erickson, Director of Purchasing**
Phone: 417-546-7281 / FAX: 417-546-3931
rone@co.taney.mo.us

Commodity Title: **DUMP TRUCKS (2)**

PLEASE MARK YOUR ENVELOPE "SEALED BID #201404-262" RETURN ONE (1) ORIGINAL AS WELL AS A DIGITAL CD COPY, OR THREE (3) HARD COPIES. *(Failure to submit copies, as indicated here MAY result in being declared "Non-Responsive" disqualifying your entire Bid Response.)*

Bid Submission Address and Deadline

Day / Date: **Monday June 2, 2014**

Time: **2:00 P.M. C.D.T. (No late Bids will be accepted)**

Location / Mail Address: Taney County Purchasing Department
132 David St. / P. O. Box 1630
Forsyth, MO 65653

Directions: The Purchasing office is located on the second floor of the old courthouse in downtown Forsyth, between the Commission Offices and the Recorder of Deeds Offices.

Bid Opening

Day / Date: **Tuesday June 3, 2014**

Time: **9:40 A.M. C.D.T.**

Location / Address: Taney County Commission Hearing Room
132 David Street
Forsyth, MO 65653

The undersigned certifies that they have the authority to bind this company in an agreement to supply the commodity or service in accordance with all terms, conditions, and pricing specified herein or to offer a "No Bid." Please type or print the information below. Bidder is REQUIRED to complete, sign and return this form with their submittal of Bid as well as all pages initialed. *An authorized signature is **mandatory**, lack thereof will result in a determination of "Non-Responsive". Also required is a direct email address in order to receive award results. We do not use USPS for results notification *only* email. Final results will also later be posted on our website at: www.taneycounty.org. **Please do not call for results.**

_____		_____	
Company Name		Authorized Person (Print)	
_____		_____	
Address		*Signature	
_____		_____	
City/County/State/Zip		Title	
_____		_____	
Telephone #	Fax #	Date	Tax ID #
_____		_____	
E-mail		Entity Type (Corporation, LLC, Sole Proprietor, Partnership)	

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Welcome... Thank you for taking the time to review / participate in the following project and Thank You for your interest in Taney County Missouri.

- *There are several steps, requirements and legalities which must be followed when engaging in an effort to respond to any certain Bid.*
- *Here I hope to assist any/all participants in making sure everyone has a fair and pleasant experience regarding this Bid.*
- *Please keep in mind that it is entirely possible that despite our best efforts information as detailed within this Bid may NOT include everything for every possible situation. Please contact me if you experience this.*
- *Historically 90% of the questions we receive are already answered within the full Bid Package.*
- *PLEASE READ all of the information CLOSELY and if you have a question review the information again as it is most likely you will find the answer.*
- *We ask, or rather require, that any/all questions be emailed rather than calling.*
- *All emails received WILL be answered as indicated within the written guidelines for written questions. (P.6)*
- *For areas, questions, and requirements that do not always apply - "N/A" may be an option. (P.7 - Item 4.2)*
- *Do not get "Side Tracked" by "Boiler-Plate" wording as it is impossible to "Tailor-Make" every single Bid Package 100% of the time to be a perfect fit. The mere word "Bid" suggests "an express effort to win". Be creative, offer options, and GOOD LUCK...!*

Sincerely,



RON ERICKSON
Director of Purchasing
Taney County Missouri

1. BIDDING PROCESS INFORMATION

The Purchasing Department is responsible for the Bid opening at the time and place noted in the request. If a Vendor is interested in a copy of the Bid tabulation they must include a direct email address, not website, in order to receive results. Obviously sealed Bids cannot be emailed so they must either be delivered by hand, courier, or USPS. (Please note USPS concerns on page #4, item #2.3)

A formal invitation for Bid is utilized when the total purchase exceeds \$4,500. The County also uses this method when the life of a term and supply contract is valued more than \$4,500. The Bid Package will contain well-defined standard technical specifications for the nature of the service or product requested. A formal closing date and time is specified. The Bidder must comply with this requirement in order to be considered for award. All Formal Invitations for Bid are handled by the Taney County Purchasing Department. Technical specifications are the responsibility of the specific requesting department.

- Bid Response Tips:


- 1.1 Read ALL Bid documents immediately upon receipt. Note any special dates or requirements.
- 1.2 Contact the Taney County Purchasing Department with any questions relating to the Bid prior to the Bid opening. (See P.6, Item 3.1)
- 1.3 Use ink to fill in all blanks. (If I can't read your handwriting your Bid **will** be rejected.)
- 1.4 **COPIES ARE REQUIRED**, mark copies vs. original. (*Failure to submit copies, as requested on page #1, MAY result in being declared "Non-Responsive" disqualifying your entire Bid Response.*)
- 1.5 Turn your Bid in as soon as possible. The deadline dates and times are strictly adhered to. The County cannot accept any late Bids.
- 1.6 **No fax or electronic transmitted Bids will be accepted.**
- 1.7 In the event of only one response the County may reject the Bid and re-let it or consider other options which provide the best solutions for the county. Always acting in the best interest of Taney County.
- 1.8 Attend pre-Bid conferences, if any. (Most are Mandatory.)
- 1.9 Pay close attention to the terms *must, shall, should* or *may*. **READ EVERYTHING.**
- 1.10 Include an updated **W-9** form completed with your company information and signature.
- 1.11 Include, if applicable, current **prevailing wage** considerations with your Bid.
- 1.12 Remember to sign the Bid sheet as this is mandatory.

2. INSTRUCTIONS AND GENERAL CONDITIONS:

- 2.1 **Delivery of:** Sealed Bids, subject to Instructions and General Conditions and any special conditions set forth herein, will be received at the Taney County Purchasing Office until the Bid closing date and time indicated herein for furnishing the County with goods, and or, services as detailed in the following Request for Bid.
- 2.2 **Copies:** For the convenience of all a digital – CD copy may be submitted in lieu of three additional hard copies – with the original, as indicated on page #1. If sending all hard copies please mark each to differentiate between the original and the three copies. (Copies are required – NOT optional.)
- 2.3 **Closing:** Sealed Bids must be delivered before **2:00 P.M.** central time on **Monday June 2, 2014** to the Taney County Purchasing Department as listed on page one. Bidders should take into account all possible risks of their Bid not arriving in time when electing to mail in Bids too close to the above closing date. Often the Post Office leaves a “pick up slip” in our PO Box which may / may not allow us time to retrieve said item. It is the Bidders responsibility, not the county, nor the Post Office – to ensure their sealed Bids are **delivered** in time to the Purchasing Department. (Extra steps may be needed if your Bid response package is a large box.)
- 2.4 **Late Packages:** The County will not accept any Bids received after the above listed closing date/time and will consider such late Bids as **NON-RESPONSIVE**. They will be returned un-opened.
- 2.5 **Opening:** Bids will be opened publicly at **9:40 AM** on **Tuesday June 3, 2014** and read aloud. All Bid responses will be considered public information as soon as they are opened and become a part of public record to be released to any person or firm that requests it.
- 2.6 **Award.** Recommendation for award will be made formally to the Taney County Commission at a later date after a full and complete review process – often within a few days of the Bid opening.
- 2.7 **Withdrawals:** Bids may be withdrawn on written request from the Bidder at the address shown in this RFB prior to the time of acceptance of the Bid.

- 2.8 **Sealed & Marked:** Bids **must** be submitted in a single sealed envelope identified with the Bid number and dates of closing & opening. List the Bid number on the outside of the box or envelope and note "Response to Request for Bid enclosed". Also include a return name & address. **No fax or electronic transmitted Bids will be accepted.** (NOTE: Please make sure your package indicates "BID" on the final outside skin.)
- 2.9 **No Bid:** If you do not want to submit a Bid, please return the *No Bid Response Form* at the bottom of the last page of this package, and note your reason(s).
- 2.10 **Bidder Expenses:** This County is not responsible for any expenses which Bidders may incur in estimating, inspecting, nor preparing and submitting Bids called for in this Request for Bid.
- 2.11 **Presentations:** The County reserves the right to conduct personal interviews or require presentations of any or all proposers prior to selection. The County will not be liable for any costs incurred by the Bidder in connection with such interviews or presentations (i.e. travel accommodations, etc.)
- 2.12 **Bid Term:** All Bids submitted shall be binding, and remain firm for ninety (90) calendar days following the opening. Pricing / Costs submitted within this response **MUST BE HONORED** within that set timeframe. Bidders should NOT respond unless certain on this point.
- 2.13 **Bid Rejection:** The Taney County Commission reserves the right to reject any or all Bids, when such rejection is in the best interest of the County.
- 2.14 **Multiple Awards:** Bids may be awarded to one company or multiple companies; when such award is deemed in the best interest of the County.
- 2.15 **Payment Terms:** County standard payment terms are Net 30 after receipt of invoice.
- 2.16 **Effective:** This agreement shall take effect upon the approval by the Taney County Commission.
- 2.17 **Alterations:** Any alterations, changes, lining out, or margin notes to any of these instructions will result in being determined as non-responsive to this Bid and thus be disqualified.

3. GUIDELINES FOR WRITTEN QUESTIONS, ANSWERS (ADDENDA), ETC

- 3.1 All questions shall be submitted in writing, prior to the Bid **opening** and no later than **2:00 P.M. Tuesday May 27, 2014**. All questions must be emailed to; **Ron Erickson, Director of Purchasing**. (rone@co.taney.mo.us) as well as the department point of contact for this Bid listed on page 8, item 5.4. Department points of contact are responsible for answering technical questions. Questions on the Bid process belong to Purchasing, thus ALL questions are handled in a joint, or combined effort.
- 3.2 All questions will be answered in writing via email to all parties who had previously been part of the original DBI (Direct Bid Invitation email.), or had made email contact during the open Bid questioning timeframe. Deadline for issuing addenda (responses to questions) is: **Wednesday May 28, 2014** thus allowing Bidders to have a full week to make any necessary adjustments to their response. Addenda will also be posted on the Taney County Web site at: www.taneycounty.org by this deadline.
- 3.3 Once at our website click on: . Any/all addenda will be attached at the end of the posted Bid. An indication, in red, will alert visitors as to the presence of any addenda.
- 3.4 In the event that it becomes necessary to revise any part of this RFB, written addenda will be issued. Any addendum to this RFB is valid only if in writing and issued by the Taney County Purchasing Department.
- 3.5 **Timeline:** The County anticipates a contract award following the evaluation of all Bid responses within **15 days from the RFB opening date and completion**. These dates are provided for informational purposes and may change as requirements dictate.
- 3.6 **Sunshine Laws:** Due to applicable sunshine laws and regulations concerning public documents, all Bid responses will be considered public information as soon as they are opened and become a part of public record releasable to any person or firm that requests it. Requests for copies, of Bid responses, must be made through the Taney County Clerk's Office (417-546-7202) requiring a Public Service Request Form (PSR). By law charges for time spent as well as a cost per page apply. Payment for copying fees is required prior to the making of copies. (*Section 610.026, RSMo.*)

4. BASIC REQUIREMENTS / FACTORS:

- 4.1 **Award of Contract:** The County reserves the right to award to more than one (1) supplier. Multiple awards may be made on the basis of a primary, secondary, and tertiary supplier. The primary supplier shall furnish the County's requirements until such time as the County determines that it is in the best interest of the County to seek performance from the secondary supplier, then tertiary supplier. The County's decision will be based upon the ability of the primary source to supply acceptable goods or services within the County's time requirements. The County's decision to utilize the secondary and tertiary sources shall be final and conclusive. In addition, the resulting contract from this RFB will be considered "Non-Exclusive". The County reserves the right to obtain service from other suppliers.
- 4.2 **Response Content:** In order to enable direct comparison of competing Responses, Bidders must submit Responses in strict conformity to the requirements stated herein. Failure to adhere to all requirements may result in Bidder's Response being disqualified as non-responsive. All Responses must be submitted using the forms provided herein. Every question must be answered and if not applicable, the section must contain "N/A."
- 4.3 **Advice of Award:** The County's Bids, Bid Tabulations, and Bid Awards may be viewed on our web page at www.taneycounty.org. View information under *Purchasing*.
- 4.4 **Response Clarification:** The County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.
- 4.5 **Rejection or Correction of Responses:** The County reserves the right to reject any or all Responses. Minor irregularities or informalities in any Response which are immaterial or inconsequential in nature, neither affected by law nor at substantial variance with Bid conditions, may be waived at our discretion whenever it is determined to be in the County's best interest.
- 4.6 **Evaluation Process:** The County's sole purpose in the evaluation process is to determine from among the Responses received which one is best suited to meet the County's needs at the lowest possible cost. Any final analysis does not imply that one Bidder is superior to another, but simply that in our judgment the Contractor selected appears to offer the best overall solution for our current and anticipated needs at the lowest possible cost.
- 4.7 **Acceptability:** The County reserves the sole right to determine whether goods and/or services offered are acceptable for County use.

5. SCOPE OF SERVICES:

- 5.1 The Taney County Purchasing Department will be accepting and reviewing all responses to this RFB for two (2) **DUMP TRUCKS** for the Taney County Road & Bridge Department.
- 5.2 Road & Bridge Coordinator, Randy Haes, has included pages of specifications which must be met as closely as possible. Where after Vendors need to submit one total price for each truck.
- 5.3 Pricing **MUST** include delivery to the Taney County Road & Bridge Department at: 194 Gilbert Ln. Hilda, Missouri 65680 .
- 5.4 For questions concerning ALL listed specifications, or ALL technical questions, the below "Department Point of Contact" **MUST** be contacted:

Randy Haes,
Coordinator
Taney County Road & Bridge
417-546-7268 (off) / 417-546-7924 (cell)
randyh@co.taney.mo.us

6. SPECIFICATIONS: 2 TANDEM AXLE DUMP TRUCKS

Below specifications involving areas that do not have significant impact such as interior color – may be considered "as / or equivalent to". Bidders do not need to call regarding these areas but rather may offer various options, again, specific to items that do not create significant impact.

- 6.1 **2015 MODEL YEAR SPECIFIED.**
- 6.2 SET FORWARD AXLE - TRUCK.
- 6.3 TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK.
- 6.4 LH PRIMARY STEERING LOCATION.
- 6.5 **GENERAL SERVICE.**
- 6.6 TRUCK/TRAILER CONFIGURATION.
- 6.7 DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES).
- 6.8 CONSTRUCTION SERVICE.
- 6.9 GOVERNMENT BUSINESS SEGMENT.
- 6.10 DIRT/SAND/ROCK COMMODITY.
- 6.11 TERRAIN/DUTY: 80% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS.
- 6.12 MAXIMUM 15% EXPECTED GRADE.
- 6.13 SMOOTH CONCRETE ORT ASPHALT PAVEMENT-MOST SEVERE IN-TRANSIT (BETWEEN SITES ROAD SURFACE).
- 6.14 WESTERN STAR VOCATIONAL WARRANTY. (OR EQUIVALENT)
- 6.15 EXPECTED FRONT AXLE(S) LOAD: 20000.0 LBS.
- 6.16 EXPECTED REAR DRIVE AXLE(S) LOAD: 40000.0 LBS.
- 6.17 **TRUCK SERVICE.**
- 6.18 FRONT PLOW END DUMP BODY.
- 6.19 EXPECTED GROSS VEHICLE WEIGHT CAPACITY 60,000 LBS.
- 6.20 FRONT HYDRAULIC PUMP SYSTEM FOR BODY, PLOW AND SPREADER OPERATION.
- 6.21 NO PASS THROUGH RADIATOR DESIGN PREFERRED. IF THIS IS NOT AN OPTION FOR YOUR SPECIFIC TRUCK, BID TRUCK WITH PASS THROUGH DESIGN WITH COPPER STEEL RADIATOR.

6.22 ENGINE.

6.23 DETROIT DD13 12.8L 410 HP @ 1800 RPM, 2080 GOV RPM, 1450 LB/FT @ 1100 RPM.
(OR EQUIVALENT)

6.24 ELECTRONIC PARAMETERS.

- 6.25 65 MPH ROAD SPEED LIMIT.
- 6.26 CRUISE CONTROL SPEED LIMIT 2 MPH HIGHER THAN ROAD SPEED LIMIT.
- 6.27 PTO MODE ENGINE RPM LIMIT-900 RPM.
- 6.28 PTO MODE BRAKE OVERRIDE-SERVICE OR PARK BRAKE ENABLED.
- 6.29 PTO MODE CLUTCH OVERRIDE-CLUTCH ENABLED.
- 6.30 PTO RPM WITH CRUISE SET SWITCH-900 RPM.
- 6.31 PTO MODE CANCEL VEHICLE-5 MPH.
- 6.32 PTO MODE RPM INCREMENT- 25 RPM.
- 6.33 PTO GOVERNOR RAMP RATE-250 PER SECOND.
- 6.34 ONE REMOTE PTO SPEED.
- 6.35 REMOTE PTO SPEED 1 SETTING-900 RPM.
- 6.36 PTO MINIMUM RPM-600.

6.37 ENGINE EQUIPMENT.

- 6.38 2013 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14.
- 6.39 2008 CARD EMISSION CERTIFICATION-CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR).
- 6.40 STANDARD OIL PAN.
- 6.41 ENGINE MOUNTED OIL CHECK AND FILL.
- 6.42 ONE PIECE VALVE COVER.
- 6.43 INSIDE/OUTSIDE AIR INTAKE WITH DONALDSON STAINLESS STEEL RH COWL
- 6.44 MOUNTED AIR CLEANER AND STAINLESS STEEL CAPS AND BANDS.
- 6.45 DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY
- 6.46 VOLT SENSE.
- 6.47 (3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES.
- 6.48 STACK BATTERY BOX..
- 6.49 SINGLE BATTERY BOX FRAME MOUNTED PH SIDE UNDER CAB.
- 6.50 WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN.
- 6.51 NON-POLISHED BATTERY BOX COVER.
- 6.52 POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED
- 6.53 OUTBOARD DRIVER SEAT.
- 6.54 EATON EASY PEDAL ADVANTAGE 15-1/2 INCH MANUALLY ADJUSTED CLUTCH.
- 6.55 TORQUE LIMITING CLUTCH BRAKE.
- 6.56 ZERK FITTING AT CLUTCH RELEASE BEARING.
- 6.57 BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR W/ SAFETY VALVE.
- 6.58 AIR COMPRESSOR DISCHARGE LINE.
- 6.59 ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM.
- 6.60 JACOBS COMPRESSION BRAKE.
- 6.61 RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTER TREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE.
- 6.62 ENGINE AFTER TREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH.
- 6.63 10 FOOT 06 INCH (126 INCH+0/-5 INCH) EXHAUST SYSTEM HEIGHT.
- 6.64 STANDARD CURVE BRIGHT UPPER STACK (S).
- 6.65 RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP.
- 6.66 13 GALLON DIESEL EXHAUST FLUID TANK.
- 6.67 100 PERCENT DIESEL EXHAUST FLUID FILL.
- 6.68 NON-POLISHED ALUMINUM DIAMOND PLATE DIESEL EXHAUST FLUID TANK COVER.
- 6.69 STANDARD DIESEL EXHAUST FLUID TANK CAP.
- 6.70 ROUND PERFORATED SINGLE STAINLESS STEEL MUFFLER/TAILPIPE SHIELD.

- 6.71 BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH.
- 6.72 AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED.
- 6.73 DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH ESOC AND WEATER-IN-FUEL INDICATOR.
- 6.74 FULL FLOW OIL FILTER.
- 6.75 DDC SUPPLIED COOLANT FILTER, ENGINE MOUNTED.
- 6.76 1375 SQUARE INCH COOPER/STEEL RADIATOR.
- 6.77 MOUNTING FOR FIREWALL MOUNTED SURGE TANK.
- 6.78 ANTIFREEZE TO -34F, NOAT EXTENDED LIFE COOLANT.
- 6.79 GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT.
- 6.80 CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES.
- 6.81 RADIATOR DRAIN VALVE.
- 6.82 1350 ADAPTER FLANGE FOR FRONT PTO PROVISION.
- 6.83 PHILLIPS-TENRO 1500 WATT/115 VOLT BLOCK HEATER.
- 6.84 CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR.
- 6.85 DELCO 12V 39MT+ HD/OCP STARTED WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH.
- 6.86 CAST IRON FRONT AND REAR ENGINE SUPPORTS.
- 6.87 TRANSMISSION.**
- 6.88 EATON FULLER RTO-14909ALL TRANSMISSION.
- 6.89 TRANSMISSION EQUIPMENT.**
- 6.90 CAST IRON CLUTCH HOUSING.
- 6.91 PAINTED SHIFT LEVER, SOLID LINKAGE.
- 6.92 AIR TO OIL TRANSMISSION COOLER.
- 6.93 SYNTHETIC TRANSMISSION LUBE.
- 6.94 FRONT AXLE AND EQUIPMENT.**
- 6.95 DETROIT DA-F-20.0-5 20,000# FL1 710.0 KPI/3.74 DROP SINGLE FRONT AXLE. OR EQUIVALENT.
- 6.96 MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES.
- 6.97 NON-ASBESTOS FRONT BRAKES LINING.
- 6.98 CONMET CAST IRON FRONT BRAKE DRUM.
- 6.99 FRONT BRAKE DUST SHIELDS.
- 6.100 SKF SCOTSEAL PLUS XL FRONT OIL SEALS.
- 6.101 VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS-OIL.
- 6.102 STANDARD SPINDLE NUTS FOR ALL AXLES.
- 6.103 BENDIX VERSAJUST AUTOMATIC FRONT SLACK ADJUSTERS.
- 6.104 TRW THP-60 POWER STEERING RCH45 AUXILIARY GEAR.
- 6.105 POWER STEERING PUMP.
- 6.106 4-QUART POWER STEERING RESERVOIR.
- 6.107 OIL/AIR POWERS STEERING COOLER.
- 6.108 SYNETHIC 75W-90 FRONT AXLE LUBE.
- 6.109 FRONT SUSPENSION.**
- 6.110 20,000# TAPERLEAF FRONT SUSPENSION.
- 6.111 THREADED SPRING PINS AND BUSHINGS-FRONT SUSPENSION.
- 6.112 ALUMINUM SPACER BLOCKS FOR FRONT SUSPENSIONS.
- 6.113 FRONT SHOCK ABSORBERS.
- 6.114 REAR AXLE AND EQUIPMENT.**
- 6.115 MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE.
- 6.116 5.29 REAR AXLE RATIO.
- 6.117 IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING.
- 6.118 MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES.
- 6.119 DRIVER CONTROLLED TRACTION DIFFERENTIAL BOTH TANDEM REAR AXLES.
 - (1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK

- 6.120 FORWARD-REAR AND REAR-REAR AXLE VALVE.
- 6.121 INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH.
- 6.122 INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH.
- 6.123 MERITOR 16.5X8 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES.
- 6.124 NON-ASBESTOS REAR BRAKE LINING.
- 6.125 BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLES(S).
- 6.126 CONMET CAST IRON REAR BRAKE DRUMS.
- 6.127 REAR BRAKE DUST SHIELDS.
- 6.128 SKF SCOTSEAL PLUS XL REAR OIL SEALS.
- 6.129 HALDEX LONG STROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS.
- 6.130 BENDIX VERSAJUST AUTOMATIC REAR SLACK ADJUSTERS.
- 6.131 SYNTHETIC 75W-90 REAR AXLE LUBE.
- 6.132 STANDARD REAR AXLE BREATHER(S).
- 6.133 REAR SUSPENSION.**
- 6.134 TUFTRAC 40,000# REAR SPRING SUSPENSION.
- 6.135 TUFTRAC HIGH RIDE HEIGHT.
- 6.136 AXLE CLAMPING GROUP.
- 6.137 54 INCH AXLE SPACING.
- 6.138 FORE/AFT AND TRANSVERSE CONTROL RODS.
- 6.139 REAR SHOCK ABSORBERS-TWO AXLES (TANDEM).
- 6.140 BRAKE SYSTEM.**
- 6.141 WABCO 4S/4M ABS WITHOUT TRACTION CONTROL.
- 6.142 REINFORCED NYLON AIR LINES.
- 6.143 FIBER BRAID PARKING BRAKE HOSE.
- 6.144 STANDARD BRAKE SYSTEM VALVES.
- 6.145 COMBO-ABS/SERVICE BRAKE VALVE WITH 5.5 PSI CRACK PRESSURE.
- 6.146 WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER.
- 6.147 WABCO OIL COALESCING FILTER FOR AIR DRYER.
- 6.148 AIR DRYER MOUNTED INBOARD ON LH RAIL.
- 6.149 STEEL AIR BRAKE RESERVOIRS.
- 6.150 PULL CABLES ON ALL AIR RESERVOIR(S).
- 6.151 TRAILER CONNECTIONS.**
- 6.152 NO TRAILER AIR HOSE.
- 6.153 AIR CONNECTIONS TO END OF FRAME W/ GLAD HANDS FOR TRUCK & DUST COVERS.
- 6.154 PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, CENTER
- 6.155 PIN POWERED THROUGH IGNITION.
- 6.156 SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME.
- 6.157 NO TRAILER ELECTRICAL CABLE.
- 6.158 WHEELBASE & FRAME.**
- 6.159 5100MM (201 INCH) WHEELBASE.
- 6.160 3/8 X3-7/8 X 11-5/8 INCH STEEL FRAME 120KSI.
- 6.161 1/4 INCH (6MM) C-CHANNEL INSERT AT REAR SUSPENSION ONLY.
- 6.162 1475MM (58 INCH) REAR FRAME OVERHANG.
- 6.163 FRAME OVERHANG RANGE: 51 INCH TO 60 INCH.
- 6.164 24 INCH INTEGRAL FRONT FRAME EXTENSION.
- 6.165 CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 125.0 INCHES.
- 6.166 CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 122.0 INCHES.
- 6.167 CALC'D FRAME LENGTH-OVERALL: 316.0 INCHES.
- 6.168 CALC'S SPACE AVAILABLE FOR DECKPLATE:125.0 INCHES.
- 6.169 CALCULATED FRAME SPACE LH SIDE: 64.87 INCHES.
- 6.170 UNDER SLUNG CROSSMEMBER.
- 6.171 SQUARE END OF FRAME.
- 6.172 HEAVY DUTY FRONT CLOSING CROSSMEMBER.
- 6.173 EXTRA HEAVY DUTY STEEL C-CHANNEL BOLTED CONSTRUCTION BACK OF TRANSMISSION CROSSMEMBER.

- 6.174 HEAVY DUTY TUBULAR STEEL MIDSHIP #1 CROSSMEMBER.
- 6.175 1.4 INCH STEEL C-CHANNEL CROSSMEMBER WITHOUT A-FRAME, NON-TOWING.
- 6.176 STANDARD WEIGHT REAR SUSPENSION FORWARD CROSSMEMBER.
- 6.177 STANDARD SUSPENSION CROSSMEMBER.
- 6.178 TUBULAR REAR SUSPENSION CROSSMEMBER.

6.179 CHASSIS EQUIPMENT.

- 6.180 NO DECK PLATE.
- 6.181 NO FRAME MOUNTED STEPS.
- 6.182 TEMPORARY STEEL BUMPER.
- 6.183 REMOVABLE CENTERED FRONT TOW PIN FOR LOGGER BUMPER.
- 6.184 NO MUD FLAP BRACKETS.
- 6.185 NO REAR MUD FLAPS.
- 6.186 FENDER MOUNTED FRONT MUD FLAPS.
- 6.187 GRADE 8 THREADED HEX HEADED FRAME FASTENERS.

6.188 FUEL TANKS.

- 6.189 80 GALLON/302 LITER ALUMINUM FUEL TANK-LH.
- 6.190 25 INCH DIAMETER FUEL TANK(S).
- 6.191 PLAIN ALUMINUM PAINTED STEEL FUEL/HYDRAULIC TANK(S) W/ PAINTED BANDS.
- 6.192 FUEL TANKS(S) FORWARD.
- 6.193 LH FULL LENGTH FUEL TANK STEPS.
- 6.194 PLAIN STEP FINISH.
- 6.195 FUEL TANK CAP(S).
- 6.196 EQUIFLO INBOARD FUEL SYSTEM.
- 6.197 HIGH TEMPERATURE REINFORCED NYLON FUEL LINE.
- 6.198 FUEL COOLER.

6.199 TIRES.

- 6.200 MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES.
- 6.201 MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES.

6.202 HUBS.

- 6.203 CONMET PRE-SET BEARING IRON FRONT HUBS.
- 6.204 CONMET PRE-SET BEARING ALUMINUM REAR HUBS.

6.205 WHEELS.

- 6.206 ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS.
- 6.207 ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS.
- 6.208 FRONT WHEEL MOUNTING NUTS.
- 6.209 REAR WHEEL MOUNTING NUTS.

6.210 CAB EXTERIOR.

- 6.211 109 INCH BBC STEEL CONVENTIONAL CAB.
- 6.212 WESTERN STAR PAINTED ALUMINUM CAB SKIRT. (OR EQUIVALENT.)
- 6.213 RAISED AIR CAB MOUNTS WITH CHECK VALVE.
- 6.214 NONREMOVABLE BUG SCREEN MOUNTED BEHIND GRILLE.
- 6.215 LARGE PROFILE FRONT FENDER.
- 6.216 LH & RH EXT. GRAB HANDLES & RH INTERIOR GRAB HANDLE MOUNTED TO A POST.
- 6.217 STAINLESS STEEL RADIATOR SHELL/HOOD BEZEL W/ STYLIZED TILT HOOD HANDLE.
- 6.218 RADIATOR MOUNTED GRILLE.
- 6.219 GALVANIZED STEEL SEVERE SERVICE CAB.
- 6.220 FIBERGLASS HOOD.
- 6.221 HEAVY DUTY HOOD MOUNTING.
- 6.222 SINGLE HADLEY SD-978 26 INCH RECTANGULAR AIR HORN.
- 6.223 SINGLE ELECTRIC HORN.
- 6.224 SINGLE HORN SHIELD.
- 6.225 DOORS AND IGNITION KEYED THE SAME.
- 6.226 DUAL RECTANGULAR HALOGEN HEADLIGHTS.
- 6.227 LED MAKER LAMPS.

- 6.228 LED STOP/TAIL/TURN WITH INCANDESCENT BACKUP LIGHTS MOUNTED IN BOX UNDER END OF FRAME.
- 6.229 LED SQUARE CHROME FENDER MOUNTED FRONT TURN SIGNALS.
- 6.230 DUAL STAINLESS STEEL HEATED MIRRORS.
- 6.231 DOOR MOUNTED MIRRORS.
- 6.232 102 INCH EQUIPMENT WIDTH.
- 6.233 LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS.
- 6.234 RH DOWN VIEW MIRROR.
- 6.235 STANDARD SIDE/REAR REFLECTIONS.
- 6.236 DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES.
- 6.237 17.5X35 INCH TINTED REAR WINDOW.
- 6.238 TINTED DOOR GLASS.
- 6.239 MANUAL DOOR WINDOW REGULATORS.
- 6.240 2-PIECE TINTED CURVED BONDED WINDSHIELD.
- 6.241 1.5 GALLON WINDSHIELD WASHER RESERVOIR MOUNTED UNDER CAB WITH REMOTE FILL.

6.242 CAB INTERIOR.

- 6.243 GRAY VINYL BASE INTERIOR.
- 6.244 BLACK HARD TRIM.
- 6.245 BASE LEFT HAND DOOR TRIM.
- 6.246 BASE RIGHT HAND DOOR TRIM.
- 6.247 BLACK MATS WITH DOUBLE INSULATION.
- 6.248 DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE.
- 6.249 FORWARD ROOF MOUNTED CONSOLE.
- 6.250 PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR.
- 6.251 LH AND RH DOOR MAP POCKETS.
- 6.252 COAT HOOK ON RH BACKWALL OF CAB.
- 6.253 BLACK SOFT TOUCH WING DASH WITH DRIVER SIDE COSMETIC UNDER DASH COVER.
- 6.254 STANDARD WIRING.
- 6.255 2-1/2 LB. FIRE EXTINGUISHER WITH B AND C RATINGS ONLY.
- 6.256 HEATER, DEFROSTER AND AIR CONDITIONER WITH COSMETIC COVER.
- 6.257 STANDARD HVAC DUCTING.
- 6.258 STANDARD HEATER PLUMBING W/ BALL SHUTOFF VALVES AT SUPPLY LINES ONLY.
- 6.259 DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR.
- 6.260 RADIATOR MOUNTED AIR CONDITIONER CONDENSER.
- 6.261 ADDITIONAL CAB SIDEWALL INSULATION.
- 6.262 AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION.
- 6.263 BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES.
- 6.264 DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR
- 6.265 MOUNTED COURTESY LIGHTS.
- 6.266 CAB DOOR LATCHES WITH MANUAL DOOR LOCKS.
- 6.267 BRIGHT DOOR HANDLES.
- 6.268 12 VOLT POWER SUPPLY IN DASH.
- 6.269 BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR,
- 6.270 INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT.
- 6.271 BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT.
- 6.272 GRAY VINYL DRIVER SEAT COVER.
- 6.273 GRAY VINYL PASSENGER SEAT COVER.
- 6.274 3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER & PASSENGER SEAT BELTS.
- 6.275 ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN.
- 6.276 2-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL(S).
- 6.277 DRIVER AND PASSENGER INTERIOR SUN VISORS.

6.278 INSTRUMENTS & CONTROLS.

- 6.279 STANDARD FOOT PEDAL SYSTEM.
- 6.280 BLACK DRIVER INSTRUMENT PANEL.

- 6.281 BLACK CENTER INSTRUMENT PANEL.
- 6.282 STAR GAUGES WITH BLACK BEZELS.
- 6.283 1 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES.
- 6.284 INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS.
- 6.285 97 DB BACKUP ALARM.
- 6.286 CRUISE CONTROL SWITCHES IN THE CENTER PANEL.
- 6.287 KEY OPERATED IGNITION SWITCH WITH INTEGRAL START POSITION AND TRANSMISSION NEUTRAL INTERLOCK.
- 6.288 WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED.
- 6.289 DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH.
- 6.290 2 INCH ELECTRIC FUEL GAUGE.
- 6.291 FUEL FILTER RESTRICTION INDICATOR.
- 6.292 PROGRAMMABLE RPM CONTROL- ELECTRONIC ENGINE.
- 6.293 ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE.
- 6.294 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE.
- 6.295 STAR GAUGE ENGINE HOUR METER IN DASH.
- 6.296 ELECTRIC ENGINE OIL PRESSURE GAUGE.
- 6.297 AM/FM/WB RADIO WITH FRONT AUXILIARY INPUT.
- 6.298 ROOF/OVERHEAD CONSOLE MOUNTED RADIO.
- 6.299 (4) RADIO SPEAKERS IN CAB.
- 6.300 POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE.
- 6.301 MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM.
- 6.302 ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER.
- 6.303 ELECTRONIC 3000 RPM TACHOMETER.
- 6.304 DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE ENGINE DIAGNOSTICS (DETROIT ENGINES ONLY).
- 6.305 2 YEAR SERVICE CONTRACT INCLUDED WITH VIRTUAL TECHNICIAN.
- 6.306 IGNITION SWITCH CONTROLLED ENGINE STOP.
- 6.307 (3) EXTRA SWITCHES IN DASH; (2) SWITCHES SUPPLIED WITH BATTERY POWER AND LABELED: "AUX PTO" AND "LOADLIGHT".
- 6.308 BW TRACTOR PROTECTION VALVE.
- 6.309 TRAILER HAND CONTROL BRAKE VALVE.
- 6.310 2 INCH VOLTMETER.
- 6.311 SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY.
- 6.312 CAB MARKER LIGHT AND HEADLIGHT SWITCH WITH SEPARATE SWITCH AND TERMINALS FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS AND TURN SIGNALS.
- 6.313 TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR.
- 6.314 VSM NON CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITHOUT BRAKE OVERRIDE.
- 6.315 PACIFIC INSIGHT ELECTRONIC FLASHER.
- 6.316 ADD BOOST GAUGE.
- 6.317 DESIGN / COLOR.**
- 6.318 ONE SOLID COLOR.
- 6.319 CAB COLOR A: HSB906443 YELLOW PPG BASE/CLEAR.
- 6.320 CAB INTERIOR PAINTED SAME AS CAB COLOR.
- 6.321 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT.
- 6.322 POWDER WHITE (N006EA) FRONT WHEEL/RIMS (PKWHT21, TKWHT21, W, TW).
- 6.323 POWDER WHITE (N0006EA) REAR WHEEL/RIMS (PKWHT21, TKWHT21,W,TW).
- 6.324 TANEY COUNTY ROAD & BRIDGE SPECIFICATIONS ON A DUMP BODY.**
- 6.325 DURA CLASS HPT-316 OR EQUIVALENT.
- 6.326 HEAVY DUTY MULTI-AXLE MUNICIPAL DUMP BODY & HOIST PACKAGE DURACLASS HPT-316.
- 6.327 GENERAL.**
- 6.328 THE DUMP BODY SHALL BE A HEAVY-DUTY CONTRACTOR BODY TO BE USED ON A MULTI-AXLE CHASSIS.
- 6.329 THE HOIST SHALL BE A SINGLE CYLINDER FRONT MOUNT TELESCOPIC TYPE HOIST.

- 6.330 THE COMPLETE BODY, HOIST, AND CYLINDER PACKAGE MUST BE SUPPLIED BY A SINGLE MANUFACTURER AND BE A PROVEN STANDARD PRODUCTION MODEL.
- 6.331 LITERATURE MUST BE SUPPLIED FOR THE BODY AND HOIST BEING SUBMITTED FOR APPROVAL.
- 6.332 A DURACCLASS HPT-316 OR APPROVED EQUAL IS RECOMMENDED.

6.333 DIMENSIONS:

- 6.334 BODY LENGTH 16'
- 6.335 BODY WIDTH 84"
- 6.336 BODY CAPACITY 13/14 CUBIC YARDS
- 6.337 SIDE HEIGHT 38"
- 6.338 END HEIGHT 48"

6.339 MATERIAL:

- 6.340 SIDES 3/16" AR400
- 6.341 SIDE BRACES 10 GAUGE HIGH TENSILE
- 6.342 TAILGATE 3/16" AR400
- 6.343 FRONT HEAD 3/16" AR400
- 6.344 FLOOR 1/4" AR400
- 6.345 UNDERSTRUCTURE CROSSMEMBERLESS TWO DEEP FLARED LONGITUDIN FABRICATED OF 3/16" HI-TENSILE STEEL AND ARE 10" FULLY BOXED
- 6.346 REAR APRON 8 GAUGE HIGH TENSILE
- 6.347 REAR CORNER POST 10 GAUGE HIGH TENSILE.

6.348 SIDES:

- 6.349 SIDE PANEL CONSTRUCTED OF 10 GA. HIGH TENSILE STEEL, ALL EXPOSED BENDS TO BE 1" RADIUS
- 6.350 TOP RAIL TO BE BOX SECTION 4-5/8" WIDE X 8-3/8" TALL
- 6.351 CENTERBEND TO FOLD BACK AT 20 DEGREES AT TOP AND BOTTOM TO BEND BACK AT 35 DEGREES FROM HORIZONTAL.
- 6.352 NO SEAM VISIBLE TO OUTSIDE OR BOTTOM OF TOP RAIL
- 6.353 MINIMUM OF THREE, 4-1/2" WIDE VERTICAL SIDE BRACES AT THE FACE AND FLARED TO 9" WIDE AT THE BODY,
- 6.354 3-1/4" DEEP SLANTED FORWARD. ALL EXPOSED BEN TO BE 1-1/2" RADIUS. C/C NOT TO EXCEED 35"
- 6.355 FRONT CORNER POST TO BE 3-7/8" DEEP AND SHAPED TO MATCH SIDE POSTS.
- 6.356 5-1/2" INCH WIDE 35 DEGREE SLOPED RUB RAILS
- 6.357 MINIMUM 10" WIDE FULL DEPTH REAR CORNER POST.
- 6.358 MINIMUM 5-1/2" DEEP REAR CORNER POST TO HOUSE NEEDED LIGHTING.
- 6.359 8" BOARD POCKETS.
- 6.360 100% FULLY SOLID WELDED CONSTRUCTION.

6.361 TAILGATE:

- 6.362 TAILGATE PANEL CONSTRUCTED OF A ONE PIECE SHEET OF 3/16" AR400 STEEL FOR ADDED STRENGTH.
- 6.363 ALL HORIZONTAL BRACING, INCLUDING TOP RAIL, TO BE DIRT SHEDDING USING LARGE RADIUS DIE.
- 6.364 3 PANEL TAILGATE DESIGN.
- 6.365 MINIMUM 1" FLAME CUT OFFSET UPPER TAILGATE HINGE.
- 6.366 MINIMUM 1-1/2" UPPER TAILGATE PIN.
- 6.367 MINIMUM 1-1/4" LOWER TAILGATE PIN INCORPORATED IN LOWER VERTICAL TAILGATE BRACE FOR ADDED STRENGTH.
- 6.368 MINIMUM 3/8" DIAMETER PROOF COIL SPREADER CHAINS
- 6.369 5/8" LOWER LATCH ASSEMBLY
- 6.370 3/4" PLATE FLAME CUT LOWER PIN CRADLE
- 6.371 COMPLETE TAILGATE LATCHING ASSEMBLY REINFORCED WITH A 1/4" BACKING PLATE FOR ADDED STRENGTH.
- 6.372 100% FULLY SOLID WELDED CONSTRUCTION.

6.373 FRONT HEAD:

- 6.374 FRONT HEAD PANEL CONSTRUCTED OF A ONE PIECE SHEET OF 3/16" AR400 STEEL
- 6.375 THREE BEND TOP RAIL (MINIMUM 3" WIDE, 2" DEEP WITH A 7/8" RETURN FLANGE) TO BE A MINIMUM 8" HIGHER THAN THE SIDE HEIGHT.
- 6.376 100% FULLY SOLID WELDED CONSTRUCTION
- 6.377 DOG-HOUSE TO BE NO DEEPER THAN 11".

6.378 FLOOR:

- 6.379 CONSTRUCTED OF TWO CENTER SEAM WELDED PIECES OF 1/4" AR400 STEEL.
- 6.380 84" INSIDE WIDTH
- 6.381 KNEE BRACE FLOOR TO SIDE BRACING.

6.382 UNDERSTRUCTURE:

- 6.383 CROSSMEMBERLESS TWO DEEP FLARED LONGITUDINALS FABRICATED OF 3/16" HI-TENSILE STEEL AND ARE 10" FULLY BOXED.

6.384 HOIST:

- 6.385 SUBFRAMELESS, SINGLE ACTING HOIST
- 6.386 SINGLE CYLINDER HIGH-PRESSURE INVERTED TELESCOPIC HOIST.
- 6.387 MAXIMUM 6" NOMINAL DIAMETER CYLINDER WITH THREE STAGES AND A MINIMUM 140" STROKE.
- 6.388 CHROME PLATED (VICKERS, DPH 900-1100) PISTON RODS.
- 6.389 MINIMUM 50 DEGREE DUMP ANGLE.
- 6.390 MINIMUM 30 TON, NTEA CLASS 120 HOIST.
- 6.391 HEAVY-DUTY HOIST FRAME.
- 6.392 HEAVY-DUTY FLAME CUT PLATFORM TYPE REAR HINGES.
- 6.393 100% FULLY SOLID WELDED CONSTRUCTION.

6.394 MISCELLANEOUS:

- 6.395 TAILGATE SPREADER CHAIN KIT.
- 6.396 STOP/TAIL/TURN LIGHT CUTOUTS IN REAR CORNER POST.
- 6.397 IN CAB BODY UP WARNING LIGHT.
- 6.398 APPROVED BODY PROP.
- 6.399 BACK UP ALARM.
- 6.400 AIR/AIR OPERATED TAILGATE
- 6.401 ASPHALT TAPER.
- 6.402 CAB PROTECTOR.
- 6.403 STROBE LIGHT CUTOUTS IN REAR CORNER POST.
- 6.404 OVAL STROBE LIGHTS IN REAR CORNER POST AND ON FRONT CORNERS OF CAB PROTECTOR.
- 6.405 BED VIBRATOR, 12 VOLT, BIG BERTHA 3500 OR EQUAL AND IN CAB CONTROL.
- 6.406 ELECTRIC TARP ASSEMBLY, IN CAB CONTROL, ALUMINUM POLISHED ARMS, ASPHALT TARP, AERO MODEL 575 OR EQUAL.
- 6.407 ACCESS STEP ON LEFT FRONT SIDE OF DUMP BODY STEP NEEDS TO FOLD OR STOW AWAY UNDER BODY.
- 6.408 FULL WALK RAIL ON BOTH SIDES.
- 6.409 AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRAILER.
- 6.410 THE GLAD HANDS MOUNTED ABOVE PINTLE HITCH, 1" SOLID STEEL HITCH PLATE WITH BOLT ON PINTLE HITCH.
- 6.411 90,000LB. RATING (HEIGHT 26" FROM GROUND LEVEL).
- 6.412 SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME.
- 6.413 24"X36" TOOL BOX MOUNTED ON RIGHT SIDE FRAME OF TRUCK.

6.414 SPREADER MOUNTING:

- 6.415 FOUR PERMANENT MOUNT, (2) EACH SIDE OF BED, 4" RATCHET STRAPS FOR SPREADER HOLD DOWNS.

6.416 HYDRAULIC COUPLERS:

- 6.417 HYDRAULIC QUICK COUPLERS AND HOSES TO BE AT LEFT REAR OF DUMP BODY, NOT AT REAR OF DUMP BODY.
- 6.418 HYDRAULIC LINES RUNNING OUTSIDE.

6.419 RAILS SHALL BE PROTECTED BY ACCESSIBLE STEEL PLATE. ALL HYDRAULIC HOSE ENDS SHOULD HAVE PROTECTIVE COVERS.

6.420 PLOW:

6.421 FRAME HITCH NEEDS TO MATCH COUNTY EXISTING PLOWS, FLINK PF91QL2 HITCH IS REQUIRED OR EQUIVALENT.

6.422 THIS SPECIFICATION SHALL DESCRIBE A BUMPER TO FRAME HITCH.

6.423 WITH A TILT FEATURE THAT ALLOWS THE SNOWPLOW TO REMAIN COUPLED TO THE PUSH FRAME WHILE SERVICING VEHICLE.

6.424 INCORPORATES THE ADVANTAGE OF QUICK INSTALLATION WITH THE STRENGTH AND RELIABILITY NEEDED FOR PERFORMANCE DURABILITY.

6.425 FRONT BUMPER MANUFACTURED USING 10" CHANNEL AND WILL BE INCORPORATED INTO THE PLOWS FRONT FRAME HITCH.

6.426 SNOWPLOW LIGHTS SHALL BE FURNISHED AND INSTALLED ON TRUCKS HOOD/FENDER USING MANUFACTURE WIRING FROM FACTORY.

6.427 SPECIFICATIONS ON HYDRAULIC SYSTEM, SPREADER AND PLOW CONTROL.

6.428 HYDRAULIC PUMP:

6.429 THE HYDRAULIC PUMP WILL BE CRANKSHAFT DRIVEN USING A 1280/1310-DRIVELINE ASSEMBLY.

6.430 THE PISTON PUMP (LOAD SENSING TYPE) MUST BE CAPABLE OF 48 GPM AND 3000 PSI AT 2500 RPM.

6.431 PUMP MUST HAVE SIDE TO AVOID MULTIPLE 90-DEGREE BENDS IN SUCTION LINE (REAR PORTS ARE UNACCEPTABLE).

6.432 THE CASE DRAIN MUST BE POSITIONED AS HIGH AS POSSIBLE AND DIRECTED BACK TO THE RESERVOIR WITHOUT PASSING THROUGH THE RETURN LINE FILTER.

6.433 THE PUMP MUST HAVE INTERNAL BLEED DOWN COMPENSATOR OPTION, A 1 1/4" KEYED SHAFT DRILLED AND TAPPED, A 1" SPLIT FLANGE PRESSURE PORT AND A 2" SPLIT FLANGE SUCTION PORT.

6.434 A 1" ORING HIGH PRESSURE BALL VALVE SHALL BE INSTALLED ON PRESSURE PORT OF PUMP.

6.435 SAUER-DANFOSS MODEL JRL075 NO EXCEPTIONS.

6.436 PUMP DRIVE:

6.437 THE DRIVELINE MUST BE 1280/1310 SERIES SOLID SHAFT STYLE.

6.438 THE DRIVELINE SHALL COME WITH ALL CROSSES, PUMP END YOKE AND FLANGE FOR ENGINE.

6.439 THE PUMP SHALL BE DRIVEN OFF THE ENGINE CRANKSHAFT.

6.440 THE PUMP SHALL GET A COMPANION FLANGE THAT UN-BOLT FROM DRIVESHAFT FOR EASY BELT REPLACEMENT.

6.441 CERTIFIED POWER SG01010016 NO EXCEPTIONS.

6.442 HYDRAULIC RETURN FILTER:

6.443 FILTER SHALL BE TOP TANK MOUNTED TYPE 10 MICRONS WITH A BY-PASS AND REPLACEABLE CARTRIDGE ELEMENT.

6.444 FILTER SHALL BE CAPABLE OF 80 GPM FLOW CAPACITY.

6.445 FILTER SHALL HAVE ONE 1 1/4" SAE PORT WITH THE ABILITY TO BE MACHINED FOR ANOTHER.

6.446 A BYPASS CONDITION GAUGE SHALL BE PROVIDED.

6.447 CERTIFIED POWER MODEL SG03020010 NO EXCEPTIONS.

6.448 SNOW PLOW CUSHION VALVE:

6.449 A DOUBLE RELIEF CUSHION VALVE MUST BE INSTALLED FOR THE PLOW ANGLE.

6.450 THE VALVE SHALL BE SET AT 2000 PSI AND HAVE #8 SAE O-RING PORTS.

6.451 THE VALVE SHALL BE CONSTRUCTED OF A HIGH-TENSILE CAST IRON BODY WITH BALL AND SPRING STYLE RELIEF THAT HAS HARDENED SEAT.

6.452 THE VALVE SHALL BE PLUMBED AT THE FRONT OF THE TRUCK FOR SNOWPLOW ANGLE.

6.453 CERTIFIED POWER MODEL DRV5HH NO EXCEPTIONS.

6.454 CABLE CONTROLS:

- 6.455 SECTIONS 1-3 OF STACK VALVE SHALL BE ACTUATED BY THE REMOTE VALVE CABLE CONTROL SYSTEM.
- 6.456 CABLES SHALL HAVE STAINLESS STEEL CABLE CORE CAPABLE OF 90 LBS. PUSH-PULL.
- 6.457 CONTROLS SHALL BE MOUNTED BESIDE DRIVER EASILY ACCESSIBLE.
- 6.458 SINGLE AXIS CONTROL LEVER FOR DUMP BODY UP/DOWN WITH DEAD MAN PUSH BUTTON.
- 6.459 DUAL AXIS CONTROL LEVER "+" PATTERN FOR PLOW LIFT AND ANGLE.
- 6.460 CONTROL LEVERS TO BE LABELED WITH DECALS FOR OPERATION.
- 6.461 CONTROLS TO BE MOUNTED IN FACTORY STYLE STAND.

6.462 HYDRAULIC RESERVOIR:

- 6.463 RESERVOIR SHALL BE 30-GALLON MINIMUM WITH BREATHER CAP, MAGNETIC DRAIN PLUG AND SUCTION SCREEN.
- 6.464 FILL NECK MUST BE SCREENED AND A SIGHT/TEMPERATURE GAUGE MOUNTED ON THE RESERVOIR SO EASILY VISIBLE FOR INSPECTION.
- 6.465 SYMMETRICAL SIDE PORTS TO ALLOW MOUNTING ON EITHER SIDE OF TRUCK FRAME.
- 6.466 SUCTION SCREEN TO BE 2" NPT WITH BUILT IN BYPASS.
- 6.467 SUCTION PORT SHALL HAVE A 2" FULL FLOW BALL VALVE INSTALLED FOR EASE OF PUMP SERVICE.
- 6.468 BOTTOM SUCTION IS NOT ACCEPTABLE.
- 6.469 RESERVOIR MUST HAVE PROVISION FOR THE MOUNTING OF A TANK MOUNTED RETURN LINE FILTER.
- 6.470 CERTIFIED POWER MTRA2303000007 NO EXCEPTIONS.

6.471 HYDRAULIC STACK VALVE:

- 6.472 THE VALVE SHALL BE OF A MOBILE STACKABLE DESIGN LOAD SENSING TYPE.
- 6.473 THE VALVE SHALL BE CAPABLE OF A NOMINAL 35 GPM WITH PUBLISHED FLOW CURVES TO 40 GPM.
- 6.474 THE VALVE MUST BE PRESSURE AND FLOW COMPENSATED.
- 6.475 INLET AND OUTLET PORTS TO BE 1" O-RING, ALL WORKING PORTS SHALL BE 3/4" AND 5/8" O-RING.
- 6.476 VALVE TO BE ARRANGED AS FOLLOWS:
- 6.477 INLET CAP WITH PRESSURE, TANK, LOAD SENSE AND DRAIN PORT.
- 6.478 DOUBLE ACTING CYLINDER SPOOL FOR HOIST, SPRING RETURN TO NEUTRAL CABLE SHIFTED PRESSURE COMPENSATED WITH 32 GPM MAIN SPOOL.
- 6.479 SINGLE ACTING CYLINDER SPOOL FOR PLOW LIFT, SPRING RETURN TO NEUTRAL FOR RAISE AND DETENT FOR DOWN, CABLE SHIFTED PRESSURE COMPENSATED WITH 10.6 GPM MAIN SPOOL.
- 6.480 DOUBLE ACTING CYLINDER SPOOL FOR PLOW ANGLE, SPRING RETURN TO NEUTRAL CABLE SHIFTED PRESSURE COMPENSATED WITH 10.6 GPM MAIN SPOOL.
- 6.481 SINGLE ACTING MOTOR SPOOL FOR BROOM ON/OFF, 12VDC OPERATED WITH SPRING TO NEUTRAL, PRESSURE COMPENSATED 0-26 GPM WITH MANUAL OVERRIDE FOR FUTURE USE
- 6.482 OUT LET COVER TOP PORTED WITH PRESSURE CARRY OVER, TANK PORT AND LOAD SENSE CARRY OVER FOR IN CAB SPREADER CONTROL WITH BLEED ORIFICE. PRESSURE AND TANK PORT TO BE #16 O-RING, LOAD SENSE PORT TO BE #6 O-RING.
- 6.483 CERTIFIED POWER PVG32 NO EXCEPTIONS.

6.484 SPREADER VALVE:

- 6.485 SPREADER CONTROL VALVE MUST BE DUAL FLOW PRESSURE COMPENSATED TYPE.
- 6.486 CLOSED INLET DESIGN VALVE SPECIFICALLY DESIGNED FOR LOAD SENSING.
- 6.487 THE USE OF LINE MOUNTED AUXILIARY VALVES OR CONVERSION OF VALVES DESIGNED FOR ANY OTHER PURPOSE IS NOT ACCEPTABLE.
- 6.488 O-RING STYLE (LEAK FREE) PORTS.
- 6.489 INTEGRAL SHUTTLE SENSING TRUE LOAD PRESSURE.
- 6.490 MANUAL ON/OFF CONTROL, CAPABLE OF DE-STROKING A VARIABLE DISPLACEMENT PISTON PUMP.

- 6.491 DUAL FLOW DESIGN SHALL BE SET-UP AS ONE KNOB 0-7 GPM AND THE OTHER FROM 0-16 GPM.
- 6.492 CERTIFIED POWER MODEL SG03020029 NO EXCEPTIONS.

6.493 PRE-WET CONTROL:

- 6.494 SPREADER CONTROL MUST BE ABLE TO RUN THE EXISTING 12VDC ELECTRIC PRE-WET SYSTEMS ALREADY INSTALLED ON THE COUNTIES SPREADERS.
- 6.495 IF THERE IS NO FLOAT SWITCH FOR LOW LEVEL IN THE TANKS, IT WILL NEED TO BE ADDED.
- 6.496 CONTROL SYSTEM SHALL BE ABLE TO CONNECT TO EXISTING WIRING FOR PRE-WET SYSTEMS.
- 6.497 CONTROL SHALL BE ABLE TO CONTROL PRE-WET IN OPEN LOOP MODE AND GET SET IN GALLONS PER TON.

6.498 HYDRAULIC HOSES:

- 6.499 ALL HOSES SHALL BE PROPERLY RATED FOR PRESSURE OF HYDRAULIC SYSTEM.
- 6.500 ALL HOSE ENDS CONNECTING TO VALVE ASSEMBLY SHALL BE 90-DEGREE FEMALE JIC SWIVEL.
- 6.501 SUCTION HOSE SHALL BE 2" ID SAE 100R4 STYLE, CONNECTING THE PUMP AND RESERVOIR WITH A KING NIPPLES, WITH BOTH ENDS BEING DOUBLE CLAMPED WITH T-BOLT STYLE STAINLESS STEEL SUPER CLAMPS.
- 6.502 PRESSURE HOSE SHALL BE 1" ID 2000 PSI RATED WITH FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.503 RETURN LINE SHALL BE 1 ¼" ID SAE 100R4 STYLE WITH FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.504 HOIST LINES SHALL BE 1" ID 2250 PSI RATED WITH FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.505 PLOW LINES 1/2" ID 2250 PSI RATED, RAN TO FRONT OF TRUCK WITH FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.506 AUGER LINE SHALL BE ¾" ID 2250 PSI RATED AND HAVE FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.507 SPINNER LINE SHALL BE ½" ID 2250 PSI RATED AND HAVE FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.508 SPREADER RETURN LINE SHALL BE 1" ID SAE 100R4 STYLE WITH FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.509 PUMP CASE DRAIN SHALL BE 3/4" ID MINIMUM 2250 PSI RATED AND HAVE FEMALE JIC SWIVELS AT BOTH ENDS.
- 6.510 LOAD SENSE LINE SHALL BE 3/8" ID 2250 PSI RATED AND HAVE FEMALE JIC SWIVELS AT BOTH ENDS.

6.511 **ACCEPTANCE OF BID BY COUNTY:** The County shall have a minimum of 90 calendar days from the date of the opening to accept bidder's offer.

6.512 County standard payment terms are Net 30 after receipt of invoice, no exceptions.

6.513 Response time/delivery: _____
(After receipt of order)

6.514 Descriptive literature

6.515 Include an updated **W-9** form completed with your company information and signature.

6.516 BID PRICE - Grand Total Price: \$ _____ **(Each)**

7. WARRANTY INFORMATION REQUIREMENTS & TABLE: Provide documentation for items covered in detail for specific time period in “YEARS” and “MILEAGE LIMIT”. Being aware that different Dealer / Vendors establish, set, or have warranty limitations for both the “Base” as well as “Extended” Warranty offerings which vary greatly by brand – but also region – we are asking for details to be added using the below tables. Bidders may enter: *Price (actual cost), Included, or N/A.*

7.1	STANDARD BASE WARRANTY COVERED ITEMS	YEARS	MILEAGE LIMIT
7.2	Basic Truck Warranty		
7.3	Engine Coverage		
7.4	Emissions: Sensor, Wiring, Lines, DEF Tank, Mounting Framework		
7.5	Transmission		
7.6	Differentials & Driveline		
7.7	Frame Paint		
7.8	Frame Rails & Cross Members		
7.9	Towing		
7.10	EXTENDED WARRANTY OFFERED ITEMS	PRICING OPTIONS	
7.11	5 years / 200,000 miles coverage		
7.12	Engine (components, wiring, sensors, turbo, water pump, injectors, etc.)		
7.13	Emissions: Sensor, Wiring, Lines, DEF Tank, Mounting Framework		
7.14	Transmission		

8. TOTAL PRICE INCLUSIONS, TAX EXEMPTION & DISCOUNT OPTION:

The total amount we will apply on a Purchase Order *must include* the following items: (If / As Applicable.)

- 8.1 Mileage.
- 8.2 Shipping.
- 8.3 Packing.
- 8.4 Handling.
- 8.5 Whatever other miscellaneous fees there may be.
- 8.6 Do not include Federal Excise Tax or Sales and Use Taxes in Bid process, as law exempts the County from them.**
- 8.7 Optional: During the course of the contract year, the using department may need to order items not specifically listed within this RFB. State below, any discounts for such purposes, from your listed prices.

_____ % Discount off list price



10. STANDARD TERMS AND CONDITIONS

- 9.1 Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Taney County Department identified in this Request for Bid.
- 9.2 The Taney County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Taney County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
- 9.3 Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and **sign the bid**.
- 9.4 When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
- 9.5 **Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.**
- 9.6 The delivery date shall be stated in definite terms, unless otherwise indicated, as it may be taken into consideration in awarding the bid.
- 9.7 The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
- 9.8 In case of default by the Contractor, the County of Taney will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
- 9.9 Failure to deliver as guaranteed may disqualify Bidder from **future** bidding.
- 9.10 Prices must be as stated in units of quantity specified, and must be firm.
- 9.11 No bid transmitted by fax machine or e-mail will be accepted.

- 9.12 The County of Taney, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.
- 9.13 The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms. (Cooperative Purchase.)
- 9.14 The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the Federal Transit Administration's Best Practices Procurement Manual – Appendix A. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
- 9.15 In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
- 9.16 Should an audit of Contractors invoices – during the term of the Agreement, and any renewals thereof, indicate that Taney County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30 days of being notified of the same.

10. NO BID RESPONSE FORM

NOTE: Complete and return this section only if you do not want to submit a Bid. If you do not wish to respond to this RFB, please fill this form out and return it to the Purchasing Department by mail, email, or fax.

Thank you...

RFB# 201404-262 Dump Trucks

Business Name:	
Address:	
Telephone:	
Contact Person:	
Date:	
Reason(s) for not Bidding:	



**Taney County, Missouri
RFB# 201404-262 Dump Trucks
Addendum #1**

This addendum is issued in accordance with Section #3, on page #6 – “Guidelines for Written Questions”, in this Request for Bid and is hereby incorporated into and made a part of the RFB Documents. Also, by this formal/official addendum we are meeting the listed timeframe/deadline per item #3.2 within section #3, on page #6 of the full RFB. Bidders are reminded that receipt of this addendum **shall** be acknowledged and submitted with Bidder's *Response Page*.

Specifications for the above noted RFB and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

This office has received the following questions, answers in red below, as supplied by Taney County Road & Bridge.

1. Regarding the body do you have a specific body builder that you would prefer? **ANSWER: We do not specify a *Brand*, it does need to meet the measurements and other specs within the bid. We use this for chip seal, bituminous mixes, construction dump, and we also put a V-bed spreader within this truck for winter use.**
2. If you already have a company you would prefer to use may I have their contact information so I can reach out to them. **ANSWER: We do not specify a *Brand*, it does need to meet the measurements and other specs within the bid.**
3. Line Item 6.175 - can you clarify the purpose of this cross member please? It reads as follows: “1.4 INCH STEEL C-CHANNEL CROSSMEMBER WITHOUT A-FRAME, NON-TOWING.” **ANSWER: The “1.4” reference needs to be corrected to “1/4 Inch”. This truck will also have a full plate installed by the body company to attach a pintle hitch. This particular cross member may be optional depending on the model of truck.**

Given the fact that all deadlines for written questions and answers have now expired – no further addenda will be issued.

Thank you.

By,

Ron Erickson, Director of Purchasing
132 David Street / P.O. Box 1630 Forsyth, Mo. 65653
Phone: 417-546-7281 Fax: 417-546-3931
E-mail: rone@co.taney.mo.us

BIDDER has examined copy of Addendum #1 to **RFB# 201404-262 Dump Trucks**, receipt of which is hereby acknowledged:

Company Name: _____
Address: _____

Phone Number: _____ Fax Number: _____
E-mail address: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____