

City of Montrose
Purchasing Division
433 South First Street
PO Box 790
Montrose, CO 81402



INVITATION FOR BID

Tandem Axle Sanitation Truck Purchase

Issue Date: November 20th, 2019

Bid Number: 19-040

Agent/Contact: Shane Brandt

Submissions Must Be Received by: Tuesday December 10th, 2019 at 10:00 am Colorado Time

ADMINISTRATIVE INSTRUCTIONS

The City of Montrose is requesting formal bids through the Invitation for Bid process for the supply and delivery of one (1) 2020 Labrie Automizer Automated Side Loader with Cab Over tandem axle sanitation truck.

Bids will be publicly received and registered on Tuesday December 10th, 2019 at 10:00 AM at City Hall, 433 South First Street, Montrose, Colorado 81401. Late bids will not be accepted and it is the responsibility of the bidders to ensure that bids (including signed addenda) arrive in the city's purchasing office by the date and time listed above.

Complete bid packets can be downloaded from the City web page at www.cityofmontrose.org under Department Services, Purchasing, and Open Bids. Addenda will be posted to the website and it is the bidder's responsibility to download addenda.

The City reserves the right to accept or reject any or all bids, to waive irregularities and/or informalities and to disregard all non-conforming, non-responsive, unbalanced or conditional bids. The City of Montrose complies with all Equal Opportunity requirements. All qualified bidders will receive consideration without regard to race, creed, color, national origin, sex, marital status, religion, ancestry, mental or physical handicap or age.

GENERAL TERMS AND CONDITIONS

These General Terms and Conditions apply to all Offers made to the City of Montrose (hereafter "City") by all prospective vendors (herein after referred to as "Bidder") regarding City Solicitations including, but not limited to, Invitations to Bid, Requests For Proposals, Requests for Quotes, and Requests For Qualifications (hereafter "Solicitation" or Bid Solicitation).

A. CONTENTS OF BID

1. Bidders shall thoroughly read the project requirements and specifications, and shall examine any drawings, which may be incorporated into the Bid documents. As Bid documents frequently change for each Solicitation, veteran Bidders shall not assume that this Solicitation contains the same terms and conditions that were supplied in prior Solicitations. The City is not obligated to identify either minimal or substantial modifications to Bid documents.
2. Bidders shall make all investigations necessary to thoroughly inform themselves regarding the plant and facilities affected by the delivery of services, materials and equipment as required by the Bid conditions. No plea of ignorance by the Bidder of conditions that exist, or may hereafter exist as a result of failure to fulfill the requirements of the contract documents, will be accepted as the basis for varying the requirements of the City or the compensation to the Bidder.
3. Bidders are advised that all City contracts are subject to all legal requirements contained in City Ordinances and State and Federal Statutes governing purchasing activities.
4. Bidders are required to state the exact intentions of their offer to the City via this Solicitation and must indicate any variances to the terms, conditions, and specifications of this Solicitation, no matter how slight. If variations are not stated in the Bidder's Offer, it shall be construed that the Bidder's Offer fully complies with all conditions identified in this Solicitation.

B. CLARIFICATION AND MODIFICATION OF BID SOLICITATION

1. Apparent silence or omissions within this Bid Solicitation regarding a detailed description of the materials and services to be provided shall be interpreted to mean that only the best commercial practices are to prevail and that only materials and workmanship of first quality are to be used.
2. If any Bidder contemplating submitting a Proposal under this Solicitation is in doubt as to the true meaning of the specifications, the Bidder must submit a written (mail or e-mail) request for clarification to the City's Agent/Contact. The Bidder submitting the request will be responsible for ensuring that the City receives the request at least seven (7) calendar days prior to the scheduled bid opening.
3. Any official interpretation of the Bid Solicitation must be issued in writing by the agent/contact of the City who is authorized to act on behalf of the City, or by the City's Legal Department. The

City shall not be responsible for other interpretations offered by employees of the City who are not authorized to act on behalf of the City for this project.

4. If necessary, the City may issue a written addendum to clarify or inform of substantial changes which impact the technical submission of Bids. Addenda will be posted to the website and it is the Bidder's responsibility to download addenda. The Bidder shall certify its receipt of the addendum by signing the addendum and returning it with its Bid. In the event of a conflict with the original Bid Solicitation documents, addenda shall supersede all other documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

C. PRICING, COLLUSION, AND TAXES

1. Current Prices. Bid Proposals must be fixed and firm unless stated otherwise in the Bid Solicitation.
2. Discounts. Discounts shall not be considered in determining the lowest net cost for Bid evaluation purposes. Payment terms shall be as set forth in any contract executed between the City and the Bidder. Payment by the City is deemed to be made on the date of the mailing of the check, or as otherwise set forth in any contract executed between the City and the Bidder.
3. Collusion. The Bidder, by affixing its signature to this Proposal, certifies that its Proposal is made without previous understanding, agreement, or connection either with any persons, or entities offering a Bid for the same items, or with the City. The Bidder also certifies that its Bid is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action. To insure integrity of the City's public procurement process, all Bidders are hereby placed on notice that any and all Bidders who falsify the certifications required in conjunction with this section shall be prosecuted to the fullest extent of the law.
4. It shall be understood and agreed that Bid Offers submitted by persons and entities are done so independently of any other offers, and that Bidders will not knowingly participate in solicitations where there exists a conflict of interest with their entity and a member of City staff or their immediate family.
5. Taxes. Bidders will neither include Federal, State nor applicable Local excise or sales taxes in bid prices, as the City is exempt from payment of such taxes. The Colorado Department of Revenue, Certification of Exemption for Colorado State Sales/Use Tax account number for the City of Montrose is 98-01805-0000. An exemption certificate will be provided, where applicable, upon request.

D. PREPARATION AND SUBMISSION OF BID

1. The Proposal must be typed or legibly printed in ink. The use of erasable ink is not permitted. All corrections made by the Bidder must be initialed in ink by the Bidder or its lawful agent.

2. Bid Proposals must contain a manual signature of an authorized agent of the Bidder in the space provided on the Bid Proposal Form. If the Bidder or its lawful agent fails to sign the Bid Proposal Form, its Bid shall be considered non-responsive and ineligible for award.
3. Unit prices shall be provided by the Bidder on the Bid Proposal Form when required in conjunction with the prescribed method of award. The Bidder shall enter "No Bid" for each item where a unit price will not be offered. Where there is a discrepancy between the unit price and the extension of prices, the unit price shall prevail.
4. The delivery and/or completion date(s) provided by the Bidder, if required, must be stated in calendar days, following receipt of order/contract or official notice to proceed.
5. All information and supplemental documentation required in conjunction with this Bid shall be furnished by the Bidder with its Bid Proposal. If the Bidder fails to supply any required information or documents, the city, in its sole discretion, may consider the Proposal non-responsive.
6. The accuracy of the Bid is the sole responsibility of the Bidder. No changes in the Proposal shall be allowed after the submission deadline, except when the Bidder can show clear and convincing evidence that an unintentional factual mistake was made, including the nature of the mistake and the price actually intended.
7. The Bid Proposal Form shall be enclosed in a sealed envelope and addressed to the City. The envelope shall clearly identify the Bid Number, Title and Due Date when submitted to the City. The Bidder shall also include its name and address on the outside of the envelope.
8. The City's Bid Proposal Form, which is attached to this Bid Solicitation, must be used when the Bidder is submitting its Bid Proposal. The Bidder shall not alter this form unless instructed to do so in writing by the City. Failure to use the City's Bid Proposal Form may result in the Bid being considered non-responsive.
9. Offers in response to formal Bid Solicitations will not be accepted by facsimile transmission. Only signed written offers will be considered responsive, and eligible for possible award. Bidders shall provide Proposal Forms, Statement of Work/Technical Offer Section, Special Conditions, Specifications and Pricing Form, and any other mandatory submittals with the bid. If RFP contemplates sample contract, submit sample.
10. Bidders who qualify their Proposals by including alternate contractual provisions should be aware that the City does not negotiate the terms of its contracts, and will ordinarily declare such Bid Proposals non-responsive. Once bids have been opened, the City shall not consider any subsequent submissions of alternate terms and conditions.

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11. Bid Bonds (5% of total bid price) and performance and payment bonds (100% of total bid price) are required on construction projects over \$50,000.
12. Insurance certificates are required after a Notice of Award has been issued. Costs for additional coverage must be included in the Bidder's proposal cost.
13. Bid Proposals received after the submission due date and time prescribed for the solicitation shall not be considered.

E. VENDOR APPLICATION AND RETENTION ON BIDDERS' LIST

The City does not maintain a bidder's list. Register to receive an automated email notification of new bids by visiting www.cityofmontrose.org - Department Services - Purchasing - Bidder's List.

F. MODIFICATION OR WITHDRAWAL OF LEGITIMATE OFFERS

1. Bidder offers may be modified in the form of an official written notice, and must be received prior to the due time and date set forth the Bid Solicitation. Each modification submitted must have the Bidder's name and return address and the applicable Solicitation Number and title clearly marked on the face of the envelope. If more than one modification is submitted, the modification bearing the latest date of receipt by the City will be considered the valid modification.
2. Bids may be withdrawn prior to the due time and date set for the Solicitation, provided it is in the form of an official, authorized written request.
3. Proposals may not be modified or withdrawn after the due date and time set for the Bid opening for a period of ninety (90) calendar days. If a Bid Proposal is modified or withdrawn by the Bidder during this ninety (90) day period, the City may, at its option, place the Bidder on suspension and may not accept any further Bid Proposals from the Bidder for a period set by the City following the Bidder's modification or withdrawal of its Proposal. The City may reject an offer, in whole or in part, as set forth in the City of Montrose Municipal Code, and the City's Procurement Manual.

G. EVALUATION OF OFFERS

1. Offers shall be evaluated based upon their responses to the questions and requests for information in this Bid Solicitation, and based upon whether and to what degree they comply with the instructions set forth herein. Thoroughness, accuracy, veracity, and professionalism in the responses shall be taken into account.
2. The City may, in its sole and absolute discretion:
 - a. Reject any and all, or parts of any or all, Bid Proposals submitted by prospective Bidders;
 - b. Re-advertise this Solicitation;

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- c. Postpone or cancel the Bid process for this Solicitation;
 - d. Waive any irregularities or technicalities in proposals received in conjunction with this Solicitation;
 - e. Determine the criteria and process whereby Proposals are evaluated and awarded.
3. A Proposal may not be accepted from, nor any contract be awarded to, any person or entity which is in arrears to the City upon any debt or Contract or which is in default as surety or otherwise upon any obligation to the City.
4. No Contract shall be awarded to any person or entity which has failed to perform faithfully any previous contract with the City, the State or Federal government for a minimum period of one (1) year after said previous Contract was terminated for cause.
5. A Proposal may not be accepted from, nor any Contract awarded to, any person or entity which has pending litigation against the City at the date and time of the Bid Opening.

H. AWARD OF CONTRACT

1. The City's Agent/Contact is authorized to handle initial contacts regarding any protest of the solicitation or award of a City contract, or any claim arising out of the performance of a City contract, with the City Manager's approval. Any actual or prospective Bidder or Contractor who has a grievance in connection with the solicitation or award of a contract shall first seek resolution of the matter with the City's Agent/Contact.
2. If the City Manager or City designee does not, within thirty (30) days after receiving a protest, or within such longer period as may be agreed upon by the parties, issue a written decision on the protest or make a determination that award of the contract is necessary, the protest shall be considered denied.
3. By law, the City reserves the right to accept or reject any or all proposed bids, or any combination of them, and to waive any informality or irregularity in the bid or in the bidding.
4. Successful Bidders shall comply with all local, state, and federal directives, ordinances, rules, orders, and laws as applicable to, and affected by, the Bid Proposal.
5. No Bidder shall be excluded from consideration for award in conjunction with this solicitation on the basis of race, color, creed, national origination, handicap or sex, or be subjected to discrimination under any contractual award administered by the City.

L. CONTRACTUAL OBLIGATIONS

1. In order to ensure the efficient utilization of tax dollars, successful Bidders shall comply with all contractual obligations contained in the Contract Documents, as set forth in the contract signed

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by the City and Bidder. A sample contract that Bidder will be expected to sign is supplied with these Bid Documents.

SPECIAL CONDITIONS

Company Name: _____

A. PRE-BID CONFERENCE

A pre-bid conference is not offered for this Invitation for Bid.

B. CONTACT PERSON

During the course of this request process, from issuance until a recommendation for award, Bidders shall not initiate contact related to this request with anyone other than the officially designated individual:

For this bid the contact is Shane Brandt at (970) 240-1496 or email: sbrandt@cityofmontrose.org

Failure to abide by this requirement may result in disqualification from further participation in this process.

C. QUESTION DEADLINE

All questions regarding this Request for Proposal shall be directed by email to Shane Brandt. All inquiries shall clearly identify the name of the firm and the authorized representative, the RFP number and title.

The deadline for receipt of questions from Bidders in regards to this RFP is Friday, December 6, 2019.

Responses will be prepared by the City in an addendum and published on the City of Montrose web site at: www.cityofmontrose.org under Department Services, Purchasing, Open bids, under this bid name. The responses in writing are the only official answers.

D. SUBMITTAL INSTRUCTIONS

The City desires to receive a clear, concise, economical presentation of the vendor's proposal. Bidders should submit the following with their bid:

1. One original of the bid packet.
2. One original of the completed bid forms.
3. One original of signed bid addendum(s).
4. Submit all of the above in a sealed envelope with the bid number and project name in the lower left hand corner of envelope, with the bidder's name clearly written on the envelope.

Failure to submit a proposal in the manner indicated may be cause for it to be considered 'non-responsive' and ineligible for consideration and subsequent award.

PROPOSAL FORM - PAGE 1

SUBMITTED BY:

Company Name: _____

Address: _____ City: _____

State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

CERTIFICATION: (if a Submission is Offered):

The undersigned hereby affirms that:

- He/she is a duly authorized agent of the Bidder,
- He/she has read the General Terms and Conditions, the Special Conditions and any technical specifications that were made available to the Bidder in conjunction with this Bid and fully understands and accepts these terms unless specific variations have been expressly listed on the Bid Proposal Form;
- The Submission is being offered independently of any other Bidder and in full compliance with the collusive prohibitions specified in the General Terms and Conditions of this solicitation; and
- The Bidder will accept any awards made to them as a result of this Solicitation for a minimum of ninety (90) calendar days following the date and time of the bid opening.

By: _____
Manual Signature of Agent

_____ Date

Typed/Printed Name of Agent

_____ Title of Agent

Include Original with Submission

Affix Manual signature of authorized agent.

NO OFFER:

Indicate reason(s) why no offer is being submitted at this time.

PROPOSAL FORM - PAGE 2

Company Name: _____

PROMPT PAYMENT TERMS:

Discount: _____ % _____ Days

Net: _____ Days

VARIATIONS:

The Bidder shall identify all variations and exceptions taken to the General Terms and Conditions, the Special Conditions and any Technical Specifications in the space provided below; provided, however, that such variations are not expressly prohibited in the Bid documents. For each variation listed, reference the applicable section of the bid document. If no variations are listed here, it is understood that the Bidder's Proposal fully complies with all terms and conditions. It is further understood that such variations may be cause for determining that the Bid Proposal is non-responsive and ineligible for award:

Page #: _____ Item # of Section: _____

Variance

Page #: _____ Item # of Section: _____

Variance

Page #: _____ Item # of Section: _____

Variance

TANDEM AXLE SANITATION TRUCK MINIMUM SPECIFICATIONS

Manuals/Training

The bidder shall supply operator manuals and parts and maintenance manuals for the unit. Manufacture shall provide training for maintenance and operation of unit.

PLEASE YES IF MEETS, NO IF DOES NOT MEET AND EXPLAIN EXCEPTIONS

TRUCK

- **CHASSIS MODEL** _____

LOW ENTRY CAB. RIGHT HAND DRIVE ONLY

- **ENGINE:** _____

365 HORSEPOWER MINIMUM,
1340 FT POUNDS TORQUE, (**NO EXCEPTIONS**). MEETS US 10 CERTIFIED AND COMPLIANT. E.P.A. EMISSION STANDARD OF .2 gr. NOX WITHOUT CREDITS. TO BE CALIBRATED FOR 6000 FT. ELEVATION MINIMUM.

- **ENGINE BRAKE:** _____

TWO/THREE STAGE IN CAB CONTROLLER

- **ELECTRONIC ENGINE AND POWER TRAIN COMPONENTS:** _____

PROGRAMMED FOR 75-80 M.P.H. TOP END SPEED

- **FUEL FILTERS:** _____

PRIMARY AND SECONDARY

- **AIR CLEANER:** _____

DRY TYPE, AIR INTAKE INSIDE/OUTSIDE, EVACUATOR, AND IN CAB RESTRICTION MONITOR, MUST HAVE PRE CLEANER

- **EXHAUST SYSTEM:** _____

4" VERTICAL EXHAUST PIPES AND MUFFLER CAB MOUNTED WITH TURNOUT

● **COOLING SYSTEM:** _____

HEAVY DUTY, STONE GUARD, COPPER CORE RADIATOR NO EXCEPTIONS WITH PERMANENT ANTIFREEZE -40 DEGREE PROTECTION 50/50 MIX WITH CONDITIONING FILTER AND BUG SCREEN

● **ENGINE BLOCK HEATER:** _____

1500 WATT 120 VOLT

● **TRANSMISSION:** _____

ALLISON AUTOMATIC TRANSMISSION 4500RDS 6 SPEED RUGGED DUTY SERIES WITH DASH MOUNTED SHIFTER, SYNTHETIC LUBRICANT. **(NO EXCEPTIONS) PLEASE OPTION ALLISON RETARDER PRICE AT END PLEASE SUBTRACT JACOBS ENGINE BRAKE PRICE!**

● **POWER STEERING:** _____

INTEGRAL POWER 18,000# CAPACITY

● **STEERING COLUMN:** _____

ADJUSTABLE TILT TELESCOPE

● **ELECTRICAL SYSTEM:** _____

12 VOLT WITH THREE (3) LOW MAINTENANCE 1950 COLD CRANK BATTERIES, BATTERY BOX SHALL BE COMPLETE STEEL ENCLOSURES (FRONT, SIDE AND BOTTOM) WITH ALUMINUM BOX COVERS.

● **ELECTRIC CIRCUIT PROTECTION PACKAGE:** _____

12 VOLT WITH CIRCUIT BREAKERS

● **ELECTRONIC BODY BUILDER HARNESS:** _____

FOR SIMPLICITY OF BODY COMPANY TYING IN TO TRUCK

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ELECTRICAL SYSTEM

- **ALTERNATOR:** _____

MINIMUM 145 AMP

- **WINDSHIELD:** _____

TWO PIECE WITH HEATED FACTORY INSTALLED ELEMENTS (**NO EXCEPTIONS**)

- **WINDSHIELD WIPERS:** _____

2 SPEED ELECTRIC MOTOR WITH INTERMITTANT FEATURE

- **GUAGES INSTRUMENTATION:** _____

TRANSMISSION OIL TEMPERATURE, MANIFOLD PRESSURE,
AIR APPLICATION, AIR PRESSURE-SYSTEM PRESSURE,
SPEEDOMETER WITH TRIP ODOMETER, ENGINE TACHOMETER,
HOUR METER, OIL PRESSURE, FUEL LEVEL.

- **DASH MOUNTED SWITCHES:** _____

FOUR DASH MOUNTED SWITCHES TO BE MOUNTED AT FACTORY FOR
USE WITH MISCELANIOUS BODYBUILDER ATTACHEMENTS (**NO EXCEPTIONS**)

- **HORNS:** _____

DUAL NOTE ELECTRIC AND (2) TWO CAB MOUNTED CHROME AIR HORNS W/
CHROME COVERS

- **BRAKES:** _____

SELF-ADJUSTING, FULL AIR "S" CAM TYPE, REAR BRAKES TO
INCLUDE FOUR (4) SPING LOADED 30/30 AIR CHAMBERS, AIR
ACTIVATED PARKING BRAKE (**ALL BRAKE DRUMS TO BE
EXTERNAL OF AXLE**)

- **BRAKE CHAMBER LOCATION:** _____

CHAMBERS ON REAR MOST CARRIER/AXLE SHALL BE MOUNTED
ON THE TOP OR FRONT SIDE OF REAR AXLE CARRIER. LONG STROKE MAXI CANS.

- **AIR SYSTEM:** _____

18.7 C.F.M. COMPRESSOR, BENDIX "SYSTEM GUARD" AD-9 HEATED,
AUTOMATIC BENDIX HEATED DRAIN VALVE ION SUPPLY (WET) TANK

- **ANTI LOCK BRAKES:** _____

BENDIX SYTEM WITH TRACTION CONTROL SWITCH

- **FRONT AXLE:** _____

SET FORWARD 18,000 LB WITH HEAVY DUTY SHOCK ABSORBERS

- **REAR AXLE:** _____

40,000 LB CAPACITY DANA/EATON DOUBLE REDUCTION DP403-P OR EQUIVALENT
(NO EXCEPTIONS) TO INCLUDE TWO (2) MAGNETIC DRAIN PLUGS AND POWER
DIVIDER FULL LOCK/LOCKOUT WITH IN CAB TRACTION CONTROL. AVAILABLE
PER DANA/EATON FEBRUARY 2006.

- **REAR AXLE RATION:** _____

GEARED FOR AROUND CITY OR HIGHWAY USE WITH THE TOP END
75 MPH

- **REAR AXLE SUSPENSION:** _____

40,000 LB CAPACITY CHALMERS EQUALIZING BEAM SUSPENSION WITH A
MINIMUM 50" AXLE SUSPENSION SPACING

- **FRAME:** _____

FULL DOUBLE REINFORCED C WRAPWITH FRONT FRAME EXTENSION, HEAT
TREATED ALLOY STEEL, WITH HUCK BOLTED CROSSMEMBERS AND
ATTACHEMENTS, CLEAN FRAME LEFT AND RIGHT SIDE FORM BACK OF CAB TO
REAR AXLE

- **AIR/ELECTRIC:** _____

AIR LINES & ELECTRICAL CORD TO REAR OF CHASSIS FOR PINTLE HITCH

- **PTO:** _____

1350 FRONT CRANKSHAFT PTO ADAPTER-LIVE POWER FRONT ENGINE

- **WHEELBASE:** _____

MINIMUM USABLE PLATFORM OF 196 INCHES 126 CA 14' BODY

- **CAB SUSPENSION:** _____

AIR SUSPENSION SYSTEM

- **CAB GLASS/WINDSHIELD** _____

TINTED 2 PIECE HEATED TYPE WINDSHIELDS (ELEMENTS TO BE INSTALLED AT FACTORY (NO EXCEPTIONS))

- **WINDOW CONTROLS:** _____

LH/RH POWER WINDOWS WITH ELECTRIC DOOR LOCKS

- **STORAGE:** _____

DRIVER SIDE DOOR STORAGE POUCH, TWO LARGE CUP HOLDER

- **STEERING WHEEL:** _____

18" DIAMETER

- **SEATS (CLOTH):** _____

DRIVER SEAT TO BE DURAFORM AIR RID, MID BACK WITH ADJUSTAL UPPER BACKREST WITH INBOARD MOUNTED ARMREST, PASSENGER SEAT TO BE DURAFORM MID BACK WITHOUT SUSPENSION

- **SEAT BELTS:** _____

DRIVE AND PASSENGER WITH SHOULD HARNESS

- **HEATER – DEFROSTER:** _____

HEAVY DUTY HIGH OUTPUT

- **AIR CONDITIONING:** _____

FACTORY INSTALLED

- **SUN VISORS INTERIOR:** _____

DRIVE AND PASSENGER

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● **RADIO:** _____

AM/FM CASSETTE WITH SPEAKERS AND ANTENNA INCLUDES AUTO RADIO SHUTOFF WHEN TRUCK IS IN REVERSE GEAR

● **MIRRORS:** _____

HEATED WEST COAST BRIGHT FINISH, FULL VIEW, MOTOR MIRRORS PASSENGER AND DRIVERS DOOR MOUNTED

● **MIRRORS CONVEX TYPE:** _____

HEATED BRIGHT FINISH 8" MOUNTED BELOW WEST COAST MIRRORS

● **TIRES AND WHEELS:** _____

STEEL WHEELS WITH 315/80R24.5 MICHELIN TUBELESS RADIAL HIGHWAY, RATED FOR 20,000#, ON FRONT (LOAD RANGE H) 11R22.5 MICHELIN TRACTION TREAD ON REAR (LOAD RANGE G) MICHELIN ONLY (**NO EXCEPTIONS**)

● **FRONT BUMPER:** _____

HEAVY DUTY CHROME WITH TWO (2) TOW HOOKS OR EYES, FRAME MOUNTED

● **TILT HOOD:** _____

FRONT TILTING FIBERGLASS, HOOD TILT LOCKING HATCH, ANODIZED ALUMUNIM BRIGHT FINISH GRILLE

● **WINDSHIELDWIPER RESERVOIR:** _____

MOUNTED ON BACK SIDE OF CAB FOR EASY ACCESS

● **FUEL TANK:** _____

SIDE STEP MOUNT, DRIVER SIDE, 50 GALLON CAPACITY

● **EXTERIOR COLOR:** _____

WHITE WITH CLEARCOAT

● **FRAME COLOR:** _____

BLACK

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● **TRUCK WARRANTY:**

ENGINE TO BE 5 YEARS/500,000 MILES MAJOR COMPONENTS _____

REAR CARRIERS TO BE 5 YEARS/500,000 MILES _____

MANUALS: OPERATORS MANUAL, FUEL SYSTEM, SHOP REPAIR, PARTS BOOKS
AND ELECTRIC SYSTEM

SERVICE MANUALS TO BE ELECTRONIC AND INCLUDE DIAGNOSTICS SOFTWARE

WARRANTY: FULL FACTORY UNLIMITED WARRANTY (PLEASE INCLUDE
DETAILED WARRANTY INFORMATION FOR TRUCK AND BODY EQUIPMENT WITH
BID DOCUMENTS)

REFUSE COLLECTION BODY

This specification is for a 2020 Labrie Automizer Automated Side Loader refuse collection body equipped with a mechanical lifting device capable of handling 30 through 300 gallon containers. The body shall be capable of compacting and transporting refuse to a land fill or transfer station and discharging the load by means of hydraulically hoisting the body.

● **CAPACITY**

THE PACKER BODY SHALL HAVE A CAPACITY, EXCLUDING THE RECEIVING
HOPPER, OF NOT LESS THAN 26 YDS.

THE HOPPER SHALL HAVE A MINIMUM CAPACITY OF 3 CUBIC YARDS

THE STRUCTURAL INTEGRITY OF THE OF THE BODY SHALL ALLOW HIGH DENSITY
LOADING OF UP TO 700 POUNDS PER CUBIC YARD OF NORMAL REFUSE

- **BODY CONSTRUCTION**

THE BODY INTERIOR SHALL HAVE A SMOOTH FLAT FLOOR WITHOUT A TROUGH. THE SIDES AND ROOF SHALL BE SMOOTH RADIUS CORNERED CONSTRUCTION. ALL MATERIALS SHALL BE STEEL UNLESS OTHERWISE STATED

NO HYDRAULIC CYLINDERS, VALVES OR ANY OTHER HYDRAULIC COMPONENTS SHALL COME IN CONTACT WITH REFUSE PACKED INTO THE BODY

BODY SIDES AND ROOF SHALL BE OF REINFORCED CHANNEL CONSTRUCTION INTERFACING WITH THE 90 DEGREE CAST STEEL RADIUS CORNER MAINFRAME BOLSTERS. BOLSTERS SHALL BE OF HIGH TENSILE STRENGTH FORMED CHANNEL INTERFACING 90 DEGREE CAST STEEL RADIUS CHANNELS AT THE MAJOR UPPER AND LOWER CONNECTING POINTS OF THE MAIN FRAME

THE FLOOR SHALL BE REINFORCED WITH HIGH TENSILE FORMED STRUCTURAL CHANNELS LOCATED SO AS TO WITHSTAND CONTINUOUS OPERATION AT MAXIMUM IMPOSED LOADS WITHOUT HARMFUL DEFORMATION OR EXCESSIVE WEAR

THE BODY ROOF SHALL BE MINIMUM 12GA. HIGH TENSILE SHEET FULLY WELDED TO A FULL WIDTH FORMED STRUCTURAL CHANNEL ROOF CROSS MEMBER TO CONTAIN AND DISSIPATE FORCES EQUALLY THROUGH THE ROOF STRUCTURE

BODY SIDES SHALL BE MINIMUM 10 GA. HIGH TENSILE SHEET, FULLY WELDED TO THE SIDEWALL VERTICAL BOLSTERS

FLOOR SHALL BE REINFORCE WITH HIGH TENSILE FORMED STRUCTURAL CHANNELS LOCATED AS TO WITHSTAND CONTINUOUS OPERATION AT MAXIMUM IMPOSED LOADS WITHOUT HARMFUL DEFORMATION OR EXCESSIVE WEAR

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- **HOPPER CONSTRUCTION**

HOPPER SHALL BE OF FLAT FLOOR AND VERTICAL SIDEWALLS. HOPPER SHALL BE DESIGNED TO PROPERLY HANDLE THIRTY (30) GALLON THROUGH THREE HUNDRED (300) AUTOMATED SIDE LOADER CONTAINERS

HOPPER SHALL INCLUDE A MANUAL OR AUTOMATED DOOR OR SCREEN MESH HOPPER COVER

- **PACKING MECHANISM**

THE PACKING PLATEN SHALL BE FABRICATED FROM A MINIMUM .5" REINFORCED STEEL PLATE. THE PLATEN SHALL UTILIZE BOTH SIDES OF THE ASSEMBLY TO DITRIBUTE THE WASTE EQUALLY TO BOTH LEFT AND RIGHT SIDES OF THE BODY

A HYDRAULICALLY ACTUATED PACKING PLATEN SHALL BE SUSPENDED BETWEEN (2) HEAVY DUTY SELF ALIGNING HARDENED STEEL BUSHINGS. THE PACKING PLATEN SHALL COMPLETE A PSCK SWEEP CYCLE, DISPLACING A VOLUME OF AT LEAST (3) CUBIC YARDS, IN A MAXIMUM OF 14 TO 16 SECONDS WITH AN EMPTY BODY, AND SHALL BE CAPABLE OF OPERATING CONTINUOUSLY SO THAT REFUSE CONTAINERS CAN BE DUMPED WITH THE PLATEN IN ANY POSITION

THE PACKING PLATEN AND SUPPORT BUSHING SHALL BE CAPABLE OF BEING GREASED WITHOUT ENTERING THE HOPPER. A GREASE MANIFOLD SHALL BE LOCATED UNDER THE BODY SO THAT IT IS ACCESSIBLE FROM THE GROUND WITH THE EMPTY BODY RESTING ON THE BODY PROPS

THE PACKING PLATEN SHALL BE ACTIVATED BY TWO (2) HYDRAULIC CYLINDERS MOUNTED ON THE SIDE OF THE BODY FOR EASE OF MAINTENANCE

- **TAILGATE**

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THE TAILGATE MUST BE ONE PIECE, TOP HINGED AND SHALL OPEN APPROXIMATELY 90 DEGREES

THE TAILGATE SHALL BE CONSTRUCTED OF A MINIMUM 10 GA. HIGH TENSILE SHEET ON REAR AND SIDE WALLS

THE TAILGATE SHALL BE REINFORCED BY A MINIMUM 40,000 PSI YIELD FORMED PERIMETER

THE TAILGATE WILL BE SECURED TO THE BODY BY TWO (2) SETS OF HINGES AT THE ROOF LINE

A HEAVYDUTY REAR DOOR REMOVABLE POSITIVE ONE PIECE SEAL OF VINYL TUBE GASKET MATERIAL WILL BE INSTALLED THE FULL LENGTH OF THE BOTTOM AND AT LESST 14" UP THE SIDES OF THE TAILGATE TO PREVENT LEAKAGE

THE TAILGATE SHALL BE RAISED AND LOWERED, LOCKED AND UNLOCKED BY HYDRAULICALLY ACTUATING TWO (2) DOUBLE ACTING CYLINDERS. CYLINDER DESIGN SHALL INCLUDE AN ORIFICE FITTING TO PREVENT THE RAPID DESENT OF THE TAILGATE IN THE EVENT OF A HYDRAULIC FAILURE

TAILGATE PROPS SHALL BE PROVIDED TO BE MANUALLY LOWERED AND SECURED IN THE RAISED POSITION BY A POSITIVE LOCKING DEVICE

- **LIFTING MECHANISM**

THE LIFT ARM AND GUIDE RAIL SHALL BE OF FABRICATED TUBE CONSTRUCTION DESIGNED WITH THE PROPER BALANCE STRENGH AND WEIGHT.THE STANDARD LIFTING MECHANISM SHALL BE CAPABLE OF LIFTING ROUND CONTAINERS RANGING FROM 30 TO 300 GALLONS

THE LIFTING MECHANISM SHALL BE CAPABLE OF INDIVIDUALLY CONTROLLED MOTION FOR EXTENDING, GRABBING, RAISING, DUMPING AND RETURNING A

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CONTAINER FROM ANY POSITION. THROUGH THE USE OF A PLC, THE LIFTING MECHANISM SHALL HAVE THE ABILITY TO COMBINE MULTIPLE FUNCTIONS INTO A SINGLE SWITCH FOR EASE OF OPERATION

THE LIFTING MECHANISM SHALL PERFORM THE FOLLOWING LIFT CYCLE FUNCTIONS IN EIGHT (8) SECONDS AT IDLE:

1. GRAB CONTAINER.
 2. LIFT CONTAINER TO THE FULL DUMP POSITION.
 3. LOWER THE CONTAINER TO THE FULL DOWN POSITION.
 4. RELEASE THE GRABBER FORM THE CONTAINER
-

THE LIFT MECHANISM SHALL HAVE A MINIMUM REACH CAPABLE OF 96" FROM THE SIDE OF THE BODY TO THE CENTER LINE OF A 90 GALLON CONTAINER

- **BODY HOIST**

THE BODY SHALL BE RAISED BY ONE CHROME PLATED SINGLE ACTING THREE STAGE TELESCOPIC CYLINDER. THE BODY SHALL ACHIEVE A DUMP ANGLE OF APPROXIMATLY 30 DEGREES AND BE LOWERED BY GRAVITY

CYLINDER DESIGN SHALL INCLUDE AN ORIFICE FITTING IN THE BASE PORT WHICH WILL PREVENT THE RAPID DESENT OF THE BODY IN THE EVENT OF A HYDRAULIC FAILURE

TWO (2) 3" STRUCTURAL CHANNEL BODY PROPS SHALL BE RPROVIDED TO HOLD THE EMPTY BODY IN A PARTIALLY RAISED POSITION FOR SERVICING THE UNIT. THE PROPS WILL BE SECURED UNDER THE BODY BY A POSITIVE TYPE HOOK LATCH

- **HYDRAULICS**

THE HYDRAULIC PUMP SHALL BE A P.T.O. TRANSMISSION MOUNT "OPERATE IN GEAR AT IDLE" TANDEM VANE PUMP CONSISTING OF A 16 G.P.M. FOR THE GRABBER ARM AND A 30 G.P.M. FOR THE PACKER

THE HYDRAULIC PUMP SHALL BE EQUIPPED WITH AA OVER SPEED PROTECTION DEVICE TIED INTO THE ENGINE R.P.M.

THE MAXIMUM OPERATING PRESSURE OF THE SYSTEM SHALL BE 2400 PSI

THE LIFT HYDRAULICS SHALL OPERATE AT A WORKING PRESSURE OF 2200 PSI

ALL HYDRAULIC TUBES WILL BE SECURLY CLAMPED TO PREVENT VIBRATION, ABRASION, AND EXCESSIVE NOISE

ALL HYDRAULIC HOSES SHALL CONFORM TO S.A.E. STANDARDS FOR DESIGNED PRESSURE

THE HYDRAULIC OIL RESERVOIR SHALL HAVE A GROSS CAPACITY OF 50 GALLONS

THE TANK SHALL BE COMPLETE WITH A SCREENED FILL PIPE AND CAP, FILTER BREATHER, CLEAN OUT COVER, OIL LEVEL SIGHT, TEMPERATURE GAUGE AND SUCTION LINESHUT OFF VALVE

THE HYDRAULIC SYSTEM SHALL BE PROTECTED BY A THREE MICRON, IN TANK, RETURN LINE FILTER ALONG WITH A 100 MESH (140 MICRON) REUESABLE OIL STRAINER IN THE SUCTION LINE

THE RETURN LINE FILTER SHALL ALSO INCLUDE AN IN CAB FILTER BYPASS MONITOR WHICH SHALL ALERT THE OPERATR OR SERVICE PERSONNEL WHEN THE FILTER IS IN NEED OF REPLACEMENT

THE HYDRAULIC SYSTEM SHALL OPERATE AT AN ACCEPTABLE TEMPERATURE WITHOUT THE NEED FOR EXTERNAL HYDRAULIC OIL COOLING DEVICES

THE HYDRAULIC TANK SHALL BE EQUIPPED WITH A MINIMUM 1200 WATT HEATER

- **LUBRICATION**

ALL BODY HINGES, CYLINDER ROD ENDS, CYLINDER BASE TRUNNIONS AND HIGH CYCLE PIVOTS SHALL BE SUPPLIED WITH GREASE FITTINGS

- **CONTROLS**

ALL LIFT CONTROLS SHALL BE ELECTRIC OVER HYDRAULIC AND SHALL OPERATE A FOUR SECTION STACK VALVE FOR THE LIFT FUNCTIONS

ALL HYDRAULIC VALVES SHALL BR SOLENOID CONTROLLED ELECTRIC OVEROVER HYDRAULIC VALVES

THE LIFT CONTROLS SHALL BE SELF CENTERING TYPE, RETURNING TO THE NEUTRAL POSITION WHEN RELEASED

ALL CONTROLS FOR GRABBER ARM CONTROLS SHALL BE ROCKER SWITCH SELF CENTERING TYPE AND JOY STICK OPERATION

THE BODY CONTROLS SHALL BE LOCATED IN THE CAB CONVENIENT TO THE OPERATOR. ALL VALVE COMPONENTS ARE TO BE EASILY SERVICABLE WITHOUT CHANGING THE ENTIRE VALVE

- **ELECTRICAL**

ALL ELECTRICAL WIRING CONNECTORS TO BE AUTOMOTIVE DOUBLE SEAL WITH WIRING IN SPLIT CONVOLUTED LOOM. ALL WIRING CONNECTIONS TO BE SOLDERED WITH RUBBER MOULDED COVERING OR CRIMP TYPE CONNCECTIONS WITH SHRINK WRAP. UNPROTECTED WIRING IN ANY APPLICATION IS UNACCEPTABLE

- **LIGHTING**

CLEARANCE, BACK UP, AND DIRECTIONAL LIGHTS SHALL BE LEXAN LENS, SHOCK MONTED IN A PROTECTIVE HOISING. THE ENTIRE UNIT SHALL BE REPLACEABLE POP OUT STYLE

ALL LIGHTS SHALL BE PROVIDED IN ACCORDANCE WITH FMVSS # 108, ANSI Z245.1-1999 PLUS MID BODY TURN SIGNALS ON EACH SIDE OF THE BODY AND A CENTER BRAKE LIGHT ON THE REAR

- **CAMERA SYSTEM**

THE BODY SHALL BE EQUIPPED WITH A CAMERA SYSTEM INCLUDING A 8" SCREEN MOUNTED IN THE CAB WITHIN EASY VIEW OF THE DRIVER. THREE CAMERAS WILL BE MOUNTED TO THE REAR OF THE TRUCK POINTING REARWARD, POINTING INTO THE HOPPER AND ONE POINTING OUTWARD AT THE GRABBER ARM

- **TOOL BOX**

A 24"LX 24"WX 24"H TOOL BOX SHALL BE MOUNTED FORWARD OF THE FRONT DRIVER AXLE ON THE LEFT SIDE OF THE TRUCK WITH THE DOOR FACING OUTWARD

- **REAR UNDER RIDE AND GUARD**

THE BODY SHALL BE EQUIPPED WITH A REAR UNDERRIDE GUARD AS STANDARD EQUIPMENT TO MEET FEDERAL MOTOR CARRIER SAFETY REGULATION 49CFR393.86, RP No. 41-02, AND SAE J682 OCT. 84

- **PAINT**

BODY SHALL BE PAINTED WITH A HIGH ABRAISION PROOF WHITE PAINT

- **WORK LIGHTS**

BODY SHALL BE EQUIPPED WITH WORK LIGHTS ONE FOR LIGHTING GRIPPER ARMS, ONE FOR LIGHTING THE HOPPER AND ONE FOR LIGHTING THE LEFT SIDE OF THE BODY FROM REAR OF CAB TO REAR OF TRUCK

CHASSIS MAKE/MODEL:

DUMP BODY MODEL:

DELIVERY DATE:

TRUCK/BODY PRICING:

Bids price shall include delivery to the City of Montrose Public Works facility located at 1221 6450 Road, Montrose, Colorado 81401. Delivery shall be scheduled in advance to coincide with typical working days/hours (Monday – Thursday 7:00 – 18:00).

Bidders shall provide details of standard warranties included in the bid price.

Bidders shall provide details of optional extended warranties, including terms and pricing.