

Invitation for Bids IFB-4336-17-SH

HOOK TRUCK WITH DUMP AND V BOX

RESPONSES DUE:

March 14, 2017 Prior to 2:30 P.M. Local Time

Accepting Electronic Responses Only Responses Only Submitted Through the Rocky Mountain EPurchasing System

www.bidnetdirect.com/colorado

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor <u>MUST</u> contact RMEPS to resolve issue prior to the response deadline. 800-835-4603).

PURCHASING REPRESENTATIVE:

Susan Hyatt Phone (970)244-1513 susanh@gicity.org

This document has been developed specifically to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All vendors are urged to thoroughly review this solicitation prior to responding. Submittal by FAX, EMAIL OR HARD COPY IS NOT ACCEPTABLE for this solicitation.

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SECTION I. INTRODUCTION

- A. Purpose: The Owner is interested in purchasing Two (2) New 4x2 Single Axle Rear Dual Wheel Hook Lift Truck with 5-Yard Dump and Snow Removal Equipment. In comparing responses, consideration will not be confined to price only. The successful vendor will be one whose product is judged to best serve the interests of the Owner.
- **B.** The Owner: The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.

C. Timeline:

Invitation for Bids Available
Last Day for Questions, prior to 12:00 PM MST
Addenda Issued (If required) by:
Responses Due prior to 2:30 P.M.
February 23, 2017
March 6, 2017
March 7, 2017
March 14, 2017

SECTION II. INSTRUCTIONS TO BIDDER

A. Equipment Details and Literature Required: Each bid shall be submitted in electronic format only, and only through the BidNet Colorado website (www.bidnetdirect.com/colorado). This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.) Please view our "Electronic Vendor Registration Guide" at www.gjcity.org/business-and-economic-development/bids for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor MUST contact RMEPS to resolve issue prior to the response deadline. 800-835-4603). All bids must be accompanied by specification sheets and/or descriptive brochures showing the detailed specifications of the equipment you propose to furnish for the bid price. All equipment will be furnished with all standard equipment as described by the literature presented with the bid proposal. References to items shown on the literature, which the bidder does not intend to supply, must be so noted in writing as an amendment to the literature. It is the bidder's responsibility to provide specific equipment details to permit proper evaluation of the bid; failure to do so may result in disqualification of the bid.

The body, finish, fittings and all components shall be the latest and most current model, and shall not have been used as a demonstrator or any other service, and shall be factory standard in all respects not in conflict with the attached Owner bid specifications. If the Owner is interested in a demonstrator, such information will be supplied in the bid specifications.

The design of the vehicle/equipment must be such that it does not hamper or restrict subsequent installation and use of emergency equipment, such as emergency lights and backup alarms.

When specifications for particular items are not defined, manufacturer's standards are satisfactory, provided the item is required for the proper performance of the equipment.

B. Emissions Standards: As applicable by law: Vehicles/Equipment must be supplied with manufacturer's standard equipment and all devices necessary to be in compliance with the most current State of Colorado code, and the Federal Motor Vehicle Safety Standards. Vehicle must comply with all Federal and Colorado motor vehicle pollution control requirements and be capable of passing State emissions tests. Delivery must include any EPA documentation. Vehicles and/or Equipment not meeting the aforementioned standards will not be accepted.

- **C. Error and Omissions:** If the bidder discovers any errors, omissions, lack of clarity or desires further information about the specifications, the Purchasing Representative should be contacted immediately.
- **D.** Guarantee: All equipment, units and components shall be guaranteed in accordance with the following clauses:
 - a. Guarantee that the equipment offered is free from defects in design and construction and that it will give continuous and efficient service under normal conditions for the duration of the warranty period.
 - b. Guarantee that the equipment or vehicle is the manufacturer's standard design in construction and that no changes or substitutes have been made, unless otherwise stated.
- **E.** Warranty: All equipment bids must include the manufacturer's standard warranty, and this information shall be provided with the bid. Additional or extended warranties may be requested; if so, specific warranty information must be provided with the bid. The warranty period shall commence after the equipment/vehicle is received and accepted by the Owner, unless special provisions are made with the successful provider.
- **F.** Operating/Maintenance Instruction: Where specifically requested in the specifications, the bidder/supplier will instruct a given number of Owner employees in the operation and maintenance of equipment. The instructions shall be of the scope and length to orient personnel in: operating techniques, safety precautions, frequent inspection and servicing requirements, mechanical adjustments and repairs unique to the equipment or vehicle. Instructions will be required at the Owner site specified and provided on a schedule arranged after delivery of the equipment. If available, manufacturer shall provide an operational safety video for specialty equipment (chippers, stump cutters, leaf machines, etc.) Instruction schedules will be agreed to prior to invoice payment.
- **G. Delivery Date**: All bids must be submitted with a delivery date.
- **H. Pre-delivery**: Prior to delivery, new equipment/vehicle must be completely serviced in accordance with standard new vehicle "Make Ready" and to the manufacturer's specifications.
- **I. Delivery**: All costs for delivery of the new unit will be assumed by the Bidder and included in the net price. Unless stated elsewhere in this bid document, all deliveries will be made to the City of Grand Junction, Fleet Services, 333 West Avenue, Building C, Grand Junction, CO 81501.
- **J. Prices**: Prices quoted shall exclude Federal Excise and State taxes. Prices quoted shall be F.O.B. City of Grand Junction, CO 81501.
- **K. Final Payment**: Final payment for equipment and vehicles delivered under these specifications will not be made until all terms and conditions have been satisfied.
- **L. Bid Evaluation Criteria**: The evaluation of this bid will be based on, but not limited to, the following: Compliance with specifications; proven performance; ease of operation, life-cycle cost, net cost, supplier performance history; delivery time; compatibility with existing equipment, parts or supplies; service/parts availability; and, advantageous superior design features.
- **M. Repair and Parts Manuals**: An *Operator's and Service manual* will be supplied with each new unit, except when units are duplicate orders and then only one of each is required. Manuals must be received prior to payment. Whenever available, the Owner prefers the manual in a CD format.
- **N. Additional Information**: For information concerning the bid process, please contact the Purchasing Department at (970) 244-1533 or check the City of Grand Junction web page at www.gjcity.org. Copies of this bid document can be obtained online electronically on Bidnet at www.bidnetdirect.com/colorado,

from the Purchasing Division, **250 North 5th Street, Grand Junction, CO 81501, 970-244-1533**, or on the City of Grand Junction website, www.gjcity.org/business-and-economic-development/bids, click on "Bids".

- **O. Manufacturer's Statement of Origin:** The new Unit shall be delivered with the Manufacturer's Statement of Origin (MSO). Failure to provide MSO shall be grounds to refuse to accept vehicle.
- P. **Title:** The awarded supplier shall provide Title work for the new vehicle within 10 days after the receipt of payment from the Owner.

<u>For City Purchases</u>, mail or deliver the Title to: Fleet Services, 333 West Avenue, Building C, Grand Junction, CO 81501. If a problem arises in obtaining the Title within the 10 day window contact Tim Barker in Fleet Services at (970)-244-1532, or via E-mail <u>timba@gicity.org</u>. Name on title shall read "City of Grand Jctn".

SECTION III. GENERAL TERMS AND CONDITIONS

A. Submission of Bids: Each bid shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (www.bidnetdirect/colorado). This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.) Please view our "Electronic Vendor Registration Guide" at www.gjcity.org/busines-and-economic-development/bids for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor MUST contact RMEPS to resolve issue prior to the response deadline. 800-835-4603).

No bids will be considered in which the specifications, provisions or conditions of the price proposal have been modified. Bids shall be received and acknowledged only so as to avoid disclosure of process. However, all bids shall be open for public inspection after the contract is awarded. Trade secrets and confidential information contained in the bid so identified by Bidder as such will be treated as confidential by the Owner to the extent allowable in the Open Records Act.

- **B.** Assignment/Contract not used as Collateral: Neither party shall assign or otherwise transfer any of the rights or delegate any of the duties set forth in this contract without prior written consent of the other party. The bidder shall not use this contract, or any portion thereof, for collateral for any financial obligation.
- **C.** Audits/Access to Records: The Owner and any of its representatives shall have access to any books, documents, papers and records of the bidder which are pertinent to this solicitation and prospective contract.
- **D.** Availability of Funds: Any Owner Contract resulting from a submission of a bid shall be deemed executor only to the extent of appropriations available to each Owner Department for purchases of such articles and services. The Owner's extended obligation on those contracts, which envision extended funding through successive fiscal periods shall be contingent upon actual appropriations for the following fiscal year.
- **E.** Award and Purchase: The Owner reserves the right to reject any or all bids, to waive any informalities or technical defects in bids, and unless otherwise specified by the Owner or by the bidder, to accept any items or group of items in the bid, as may be in the best interest of the Owner. No verbal explanations, clarifications, additions or instructions will be binding to either the Owner or the bidders, except those confirmed in writing.

A signed purchase order/contract furnished to the successful bidder results in a binding contract without further action by either party.

- **F. Questions:** Any questions concerning this project shall be directed to: Susan Hyatt at the City of Grand Junction, 333 West Avenue, Bldg C, Grand Junction, Colorado 81501, (970)-244-1513, E-mail susanh@gicity.org between the hours of 8:00 a.m. and 4:00 p.m., Monday through Friday, excluding Holidays. ALL QUESTIONS MUST BE SUBMITTED IN WRITING.
- **G. Legal Compliance:** The bidder shall keep informed of all Federal, State and local laws; ordinances, regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority which may affect those engaged or employed on the work or affect the conduct of the work. The bidder shall observe and comply with all such laws, ordinances, regulations, orders and decrees. The bidder shall protect and indemnify the Owner and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree whether by the supplier, subcontractor, supplier or the supplier's employees or any others engaged by the supplier. The laws of the State of Colorado will govern as to the interpretation, validity and effect for any contract that is entered into as a result of this solicitation. Venue for any lawsuit will be in Mesa County, Colorado.
- **H. Force Majeure:** Neither party shall be liable for failure to perform under this contract if such failure to perform arises out of causes beyond the control and without the fault or negligence of the non-performing party. Such causes may include, but are not limited to, acts of God or the public enemy, fires, floods, epidemics, quarantine restrictions, freight embargoes and unusually severe weather. This provision shall become effective only if the party failing to perform immediately notifies the other party of the extent and nature of the problem, limits delay in performance to that required by the event, and takes all reasonable steps to minimize delays. The provision shall not be effective unless the failure to perform is beyond the control and without the fault or negligence of the non-performing party.
- **I. Indemnification:** The bidder shall release, indemnify and hold harmless the Owner, their officers, agents, employees, successors and assignees from any cause of action, or claims or demands arising out of the Bidder's performance under this contract.
- **J. Gratuities:** The bidder certifies and agrees that no gratuities, kickbacks or contingency fees were paid in connection with this contract, nor were any fees, commissions, gifts or other considerations made contingent upon the award of this contract. If the bidder breaches or violates this warranty, the Owner may, at its discretion, terminate this contract without liability to the Owner.
- **K.** Material Availability: Bidders must accept responsibility for verification of material availability, production schedules and other pertinent data prior to submission of bid and delivery time. It is the responsibility of the bidder to notify the Owner immediately if materials specified are discontinued, replaced or not available for an extended period of time.
- **L. OSHA Standards:** All bidders agree and warrant that services performed in response to this invitation shall conform to the standards declared by the U.S. Department of Labor under the OCCUPATIONAL Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA Standards, the Owner may require the services to be redone at no additional expense to the Owner.
- **M. Non-collusion:** Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person or fix the price or prices in the attached bid or of any other bidder, or to fix any overhead, profit or cost element of the bid price or the bid price of

any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement and advantage against the Owner, or any person interested in the proposed contract.

The price or prices quoted in this bid are fair and proper and are not tainted by a collusion, conspiracy, connivance, or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest.

- **N. Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with a Owner employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.
- **O. Preparation of Bids:** Bidders are expected to examine any drawings, specifications, schedules and instructions included in the bid package. Failure to do so will be at the bidder's risk.

In case of error in the extension of prices in the bid proposal, the unit price will govern. Unit price shown must be net.

- **P. Tax Exemption:** Direct purchases of materials by the Owner are exempt from Colorado State sales or use tax. The bidder certifies that no Federal, State, County or Municipal tax will be added to the price shown on the Proposal Price sheet. An Owner Tax Exemption Certificate will be supplied to the successful bidder upon request.
- **Q. Bids Binding 60 Days:** Unless otherwise specified all formal bids submitted shall be binding for sixty calendar days following the bid opening date unless bidders, at the request of the Owner, agree to an extension.
- **R.** Multiple Bids: Bidders must determine for themselves which product to offer. If said bidder chooses to submit more than one bid, THE ALTERNATE BID must be clearly marked "Alternate Bid." The Owner reserves the right to make award in the best interest of the Owner.
- **S. Brand Names or Equal:** Whenever in this bid invitation any particular materials, process, mechanism, and/or equipment are indicated, described or specified by patent, proprietary, or brand name, or by name of manufacturer, such wording will be deemed to be used for the purpose of facilitating minimum acceptable requirements and will be deemed to be followed by the words, "or equal." At the Owner's discretion, after the bid opening proof satisfactory must be provided by Bidder to show that the alternative product/equipment/vehicle is in fact, equal to specification requirements.

The Owner reserves the right to determine products of equal value. Suppliers will not be allowed to make unauthorized substitutions after award is made.

- **T. Termination of Contract:** If at any time during the performance of the contract awarded as a result of this bid, in the opinion of the Owner, the work is not progressing satisfactorily or within the terms of this contract, then at the discretion of the Owner and after written notice to the supplier, the Owner may terminate the contract or any part of it.
- **U. Modification or Withdrawal of Bids:** A bid that is in the possession of the Purchasing Division may be altered by facsimile, telegram or letter bearing the signature of name of the legal agent for the bidder, provided it is received prior to the time and date of the opening. Alterations should not reveal the price but should indicate the addition, subtraction or other changes in the bid. A bid that is in the possession of the Purchasing Manager may be withdrawn by the bidder up to the time of the bid opening. Bids may not be withdrawn after the bid opening. Failure of the successful bidder to furnish the service awarded from this bid may eliminate the bidder from the active bidder's list.

- **V.** Addenda and Interpretations: If it becomes necessary to revise any part of an Owner bid, a written addendum shall be posted to the Rocky Mountain E-Purchasing website. The bidder shall be responsible for obtaining all solicitation documents. The Owner is not bound by any oral representations, clarifications, or changes made in the written specifications by Owner employees, unless such clarification or change is provided in written addendum from the Owner. Receipt of addenda shall be acknowledged by initialing the proposal price sheet in the designated place.
- **W. Cooperative Purchasing:** Purchases as a result of this solicitation are primarily for the Owner. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions and pricings established in this solicitation.

The quantities furnished in this bid document are for only the Owner. It does not include quantities for any other jurisdiction.

The Owner will be responsible only for the orders placed for our jurisdiction. Other participating entities will place their orders on their respective Purchase Orders through their Purchasing office or use their purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation.

Orders placed by participating jurisdictions under the terms of this solicitation will indicate their specific delivery and invoicing instructions.

X. Award: All bids will be awarded to the lowest responsive and responsible bidder. The Owner reserves the right to determine the lowest responsive and responsible bidder.

The Owner may involve all or some of the following factors: price; conformity to specifications; financial capacity to perform the services and/or provide commodities; previous performance and reputation; location of required and necessary facilities and/or equipment; availability and proximity of repair parts and/or warranty work; similar experience; delivery promise; terms of payments; compatibility as required in the bid documents; other associated and necessary costs; other objective and accountable factors which are reasonable.

Y. Inspections: Inspection and acceptance of materials or supplies will be made after delivery. Final inspection shall be conclusive except as regard to latent defects, fraud, or such gross mistakes as amount to fraud. Final inspection and acceptance or rejection of material or supplies shall be accomplished as promptly as practical, but failure to inspect and accept or reject material or supplies shall not impose liability on the Owner for such supplies as are not in accordance with the specifications. All delivered materials shall be accepted subject to inspection and physical count.

SECTION IV. SPECIFICATION/COMPLIANCE FORM

MINIMUM SPECIFICATION FOR: Two (2) New 4x2 Single Axle Rear Dual Wheel Hook Lift Truck with 5-Yard Dump and Snow Removal Equipment. Bids must be offered as a complete, turn-key unit. All specifications must be met or exceeded or may be considered non-responsive. Incomplete responses will not be considered. Bidder shall note any exceptions to the bid on the Comment section. Bidder shall list in a separate attachment details concerning the exception. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications".

All equipment furnished under this contract shall be new, unused, and the latest model offered by the manufacturer's current production (unless otherwise stated). Accessories not specifically mentioned herein, but necessary to furnish a complete unit ready for use shall also be included.

		Does Not	
Description	Meets	Meet	Comments
Cab & Chassis			
1. Engine: Minimum, 300 HP. Inline 6 cylinder, turbo			
charged diesel or equal.			
2. Grill: Stationary grill to provide front crankshaft			
access for hydraulic pump.			
3. Fuel Filters: Primary and secondary.			
4. Air Cleaners: Dry type with primary and secondary			
elements and pre-cleaner			
5. Lubrication: Full flow with spin on filter elements.			
6. Exhaust System: Muffler with 4: vertical stack and			
90-degree elbow top of elbow to be 10" above cab			
shield, frame mounted.			
7. Cooling System: Heavy duty with permanent			
antifreeze protection 50/50 mix with condition filter.			
8. Engine Block Heater			
9. Transmission: Allison automatic			
10. Axle Ratio: Capable of 70 mph			
11. Steering: Power			
12. Electrical System and accessory switch panel: 12			
Volt with two (2) group 31 batteries low maintenance			
batteries. Factory installed switch panel consisting of six			
(6) switches minimum for use with auxiliary lighting,			
tail gate and other options. Switches shall be			
permanently labeled as to function, and on off direction.			
Switch assignment shall be discussed at pre build			
meeting.			
13. Alternator: Minimum 85 amp.			
14. Windshield Wipers: Electric intermittent with			
wash.			
15. Gauges: Volt, tach, hour, coolant, oil, fuel, and dual			
air pressure with low air buzzer and flashing light to			
include brake pressure application gauge.			
16. Horn: Dual note electric and cab mounted air horn.			
17. Backup Alarm: Alarm to sound immediately when			
shifted into reverse. (NO DELAY)			
18.LED Strobe Light: One each amber light mounted			
on left & right side of cab Two additional amber strobe			
lights (oval 6 ½" x 2 ¼") to be mounted on rear of frame			
flush with body, (or incorporated into dump body, and v-			
box attachments) one on the left and right side near the			

		Does Not	
Description	Meets	Meet	C
Description	Miccis	Wicci	Comments
tail lights. The lights shall meet all state and federal			
regulations. Additional blue lens to be included.			
19. Brakes: Full air "S" cam type-rear actuators to be			
mounted forward of rear axle. All slack adjusters to be			
self-adjusting. Rear brakes to have spring-loaded air			
activated parking brake (All brake drums to be external			
of axle). Air piping and valves for trailer air brakes to be			
included.			
20. Compressor: 12 c.f.m. with Bendix AD-9 air dryer			
or equivalent to include automatic wet tank heated			
moisture dispensing system.			
21. Front Axle: 12,000 lb. minimum with H.D. shocks			
22. Rear Axle(s): 23,000 lb. minimum with overload			
springs.			
23. Frame: Full double reinforced frame extended 18"			
to accommodate front snowplow mount and crankshaft			
driven hydraulic pump.			
24. Cab: Custom with tinted glass.			
25. Steering Column: Tilt			
26. Seats: Driver seat to be Duraform air ride, low back			
with adjustable upper backrest. Passenger seat to be air			
suspension type.			
27. Upholstery: Cloth, dark tan or brown.			
28. Seat Belts: Driver and passenger with shoulder			
strap.			
29. Air Conditioning: factory installed.			
30. Heater: Heavy-duty high output.			
31. Sun Visors: Driver and passenger side.			
32. Mirrors: Heated electric adjustable mirrors West			
Coast style, full view, driver and passenger door			
mounted.			
33. Radio: Standard AM-FM with speakers and			
antenna.			
34. Hood: Full front tilt			
35. Grille: To be stationary.			
36. Tires and Wheels: Seven (7) 315/80R22.5- tubeless		+	
radial tires. highway on front. Traction on rear. One (1)			
traction tire and wheel for spare per unit. Fenders are to			
be included for use when no attachment is on the truck.			
Spare must accompany truck when unit is delivered.			
37. Front Bumper: HD with Two- (2) frame mounted			
tow hooks.			
38. Fuel Tank: Driver side step mount minimum 50		1	
gallons.			
39. Exterior Color: White		1	
40. Frame Color: Black		1	

DUMP BODY SPECIFICATIONS

DUMIP BODY	DI LC	IIICAI	1010
Description		Does Not	
_	Meets	Meet	Comments
5 Yard Dump Body is to be designed to be used			
with a Stellar Hook lift system.			
1. Floor: One (1) piece 1/4" AR400 steel floor with			
4" rolled radius 8" up sides and no exposed external			
cross seals. Understructure shall be fabricated			
"western" cross member less design with tubular			
long sills. Long sills shall be fabricated from			
100,000 psi yield strength steel.			
2. Sides: 3/16" high tensile steel with a ladder (pull			
out style preferred) and grab handle on front of			
curbside bed. Side height is to be approximately 36			
inches from bed floor and 84 inches from ground.			
Total height of unit not to exceed 130 inches. Bed			
length to be approximately 10 foot. (Must be able to			
hold 5 yards of material without spilling over the			
sides)			
3. Front: 3/16" high tensile steel.			
4. Tailgate: 3/16" high tensile steel with three (3)			
sloped cross braces and fully boxed top rail. Gate is			
to extend a minimum of 8" higher than side rails.			
Gate to include lifting eye on outside top center			
spreader chains with chain hangers. and air operated			
gate latch release.			
5. Top Rail: Heavy side fully boxed with 2"			
sideboard pockets front and rear corners.			
6. Bottom Rail: Heavy duty, fully boxed, tapered			
for dirt shedding.			
7. Cab Shield: 10-gauge steel customized to fit cab			
and exhaust stack.			
8. Rear Hinge: Heavy duty with 2" full shaft bosses			
drilled for grease.			
9. Pintle Hitch: Rear Frame mounted 40,000-lb.			
pintle mounted 25" center from ground level with			
welded safety chain D-Rings. Bolt on chip bar see			
"attachment A" for dimensions. **SEE			
ATTACMENT A**			
10. Trailer Brakes: Include electric brake controller			
and wiring in protective loom to the extreme rear of			
truck for electric trailer brakes.			
11. Trailer Lighting: Run wiring in protective loom			
to rear of truck for trailer lighting use a standard 7			
pin RV Style trailer plug for lights and brake wiring.			
Brake wire to be on "S" terminal. NOT center pin.			
12. Load Tarp System: Pull tarps Super shield or			
equal Electric Arm System with Black Mesh Tarps			
and extendable arms so tarp system will extend			
beyond tailgate when laid down flat. Controls to be			
mounted and permanently labeled in Force box			
(MUST BE MOUNTED ON TOP OF			
HEADACHE APRON OF DUMP BODY			
ATTACHMENT)			
13. Safety Prop: Heavy Duty			
14. Spreader Apron: Bolt on full outside width of			
dump body 11" depth and 12" sides, must pivot			

Description	Meets	Does Not Meet	Comment
	MICCIS	Micei	Comments
15. Dump Body Paint: Match truck body.			
16. Dump Control: Dump Controls mounted next to			
driver's seat in reach for ease of operation, which			
still will allow use of all mirrors.			
17. Lights: Tail, turn, stop, backup marker and rear			
cluster lights. All wiring to be run in protective loom			
or conduit			
18. Hoist Cylinder: As incorporated by hook lift			
manufacture.			
19. Hydraulic Pump, Crankshaft driven			
The hydraulic pump shall be a U.S. manufactured			
axial piston pressure and flow compensated load-			
sensing type. The pump shall be cast iron			
construction and rated to 4.67 cubic inches per			
revolution at maximum stroke which will deliver			
19.2 GPM @ 1000 engine RPM. The pump shall			
have a 2" inch suction line and 3/4" case drain line			
plumbed directly back to the reservoir. The pump			
shall be rated for 4000 PSI maximum and 3500 PSI			
continuous. The pump shall have a severe duty, high			
pressure outboard Teflon shaft seal that protects the			
pump shaft bearing and seal from external			
contamination and salt spray. The pump shall have a			
11/4" keyed drive shaft and SAE type C mounting			
flange. The pump shall be a Force America			
FASD34. Pump shall be equipped with companion			
flange mount to aid in removing drive shaft for belt			
changes.			
20. Reservoir/Valve Enclosure: The hydraulic			
reservoir will be 35 gallons nominal capacity.			
The hydraulic reservoir will be constructed			
of 10-gauge steel and be internally baffled.			
The valve enclosure lid will protect from			
both road and pressure washer spray.			
• For ease of removal by a single person, the			
valve enclosure lid shall weigh less than 22 lbs.			
The valve enclosure lid shall be black high			
density polyethylene with stainless steel			
reinforcements. • The valve enclosure lid shall have molded			
The varve enerosure na shan nave moraea			
 integrated handle for ease of removal. The valve enclosure lid shall be attached to 			
the reservoir Via (4) rubber straps that can be			
• • • • • • • • • • • • • • • • • • • •			
removed without the use of any tools.			
 Mounting bracket is to be designed and supplied by the reservoir supplier. 			
Mounting system should allow for a 1"			
frame clearance for frame obstructions.			
Shall be mounted in a manner as to not			
transmit any truck torsional loads thru the tank.			
The enclosure will use a gasket-less passive			
technology. (No rubber seals, gaskets, or weather			
stripping.)			
The enclosure lid will be removable within			
seconds by one person without the use of tools.			
seconds by one person without the use of tools.	i	I	

Description	Meets	Does Not Meet	Comments
	MICCIS	Witt	Comments
 All valve fittings, hose ends, filter, filler 			
breather, sending units and any electrical connections			
are to be protected by enclosure cover.			
The reservoir supplier will provide all valve			
fittings (JIC connections) and plumb the return line			
from the valve to the filter.			
The cover will protect from both road and			
pressure washer spray.			
The use of bulkhead fittings is not permitted.			
The directional control valve must be easily			
accessible from all (6) sides without the use of tools.			
Hose exit and entrance must allow for			
components to be mounted adjacent to the enclosure.			
A 2" full flow brass ball valve shall be			
plumbed at the suction port of the tank.			
A low oil/high temp sending unit shall be			
mounted in the reservoir.			
The valve/tank assembly shall be a Force			
America model "VT35G2 Valve/Tank Assembly			
21. V-Box Controller: Force America SSC6100			
CAN Bus spreader control system and all necessary			
plumbing ran to rear of Truck. Controls for all valve			
functions and electronic spreader control will be			
integrated into a single, self-contained control center.			
The control center shall be a padded armrest style			
that is ergonomically designed no higher or lower			
than the seats armrest. Control center shall be			
modular in design for ease of installation and service,			
and wiring and connectors shall be keyed and color-			
coded throughout. All components must be durable			
for long life and trouble free operation. Monitor is to be dash mounted just to the right of the driver's			
center.			
center.			
The electronic controller shall be a fully proportional			
multi-stick controller to operate all cylinder			
functions. Multi-stick PWM driver electronics shall			
include as standard the capability to control at least 9			
proportional outputs simultaneously. The control is			
available in a 3-stick or 4-stick configuration.			
Controls for spreader must be located on armrest at			
the operator's fingertips. There shall also be four			
auxiliary rocker switches available with an additional			
fifth switch being the main power switch for the			
spreader control. The switches shall be located			
between the joysticks and spreader control interface			
and each shall be rated for 15 amps continuous			
current minimum. Console options shall be capable			
of supplying full rated power to switch outputs when			
all four auxiliary switches are at full 15 amp load.			
For ease of operation the multi-stick control shall			
include the following features: LED-backlit			
nomenclature for all joystick functions and a			

Description		Does Not	
	Meets	Meet	Comments
momentary push-button at the top of the hoist stick to			
provide hoist-interlock. The "Hoist" decal shall be			
illuminated amber while disabled, and change to			
green backlighting when the driver engages the hoist			
interlock button. The green "Hoist" LEDs shall remain illuminated while the hoist is under operation			
and shall time-out after a period of hoist inactivity			
that is selectable from 0 to 15 seconds.			
The plow, wing, scraper, or other joysticks shall have			
the option to include a momentary pushbutton for			
activation of remote spreader standby, remote			
spreader blast, or electric joystick interlock. The			
multi-stick communication hardware/software shall			
include 4 integral float options. The use of add-on float modules is unacceptable. For flexibility of use			
the integral float programming shall have the			
following standard features:			
• (4) axis functional float on any or all of the			
outputs with selectable forward/back,			
right/left functionality			
 32-way or 4-way functionality 			
 Selectable (3) second float delay timer 			
Optional float enable switch inputs.			
When float output for a given joystick			
function is active, the LED-backlit nomenclature shall blink ON/OFF to			
provide visual feedback to the operator that			
the float function is engaged.			
To ensure longevity of performance all lighting to be			
solid-state LED technology. The use of incandescent			
lamps or EL backlighting is unacceptable.			
All function joysticks shall be of contact-less Hall-			
effect design and offer up to a 5-Million cycle life.			
The use of potentiometers is unacceptable. To			
increase safety of operation, joystick communication			
hardware/software shall include the following			
standard features:			
 Input power monitor circuitry with power quality diagnostics, 			
 Redundant dual-reference joystick 			
signals for each joystick axis			
Joystick input off-center checking on			
all axes and output shutdown on system			
power-up			
 Joystick out-of-range fault condition 			
checking and output shutdown			
True outputs off with joystick centered LED by 1114			
LED-backlit nomenclature shall illuminate and flesh RED when any			
illuminate and flash RED when any error condition exists and an audible			
alarm shall sound.			
LED-backlit nomenclature shall blink			
ON/OFF with increasing frequency as			

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Description	Mosts	Does Not	
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the corresponding function is increased			
in speed to give the operator visual			
feedback of each joystick output.			
Multi-stick control shall communicate all joystick			
data over the spreader control CAN bus. For ease of			
service and diagnostics the multi-stick control shall			
have the following easily accessible through the			
spreader control calibration menus:			
 Unique MIN/MAX adjustments for each 			
joystick function (forward, back, left and			
right)			
 On-screen output status indicators for each 			
PWM output			
 Audible and visible output error status 			
indicators with flashing error codes for each			
joystick function			
The multi-stick control joystick outputs shall be			
communicated over the spreader control CAN bus to			
the Valve Module. Spreader control outputs and			
joystick control outputs shall be operated on the same			
Valve Module, or multiple modules as necessary.			
The electronic spreader control shall be designed for			
precise, closed-loop control of granular and prewet			
liquid applications and operate on a CAN Bus			
protocol. The Central Processing Unit (CPU) shall			
have keyed and color coded connections to prevent			
incorrect installation. The CPU shall be mounted in			
the cab with visual access to diagnostic LED's.			
Mounting of the CPU unit outside of the cab is			
unacceptable. The unit shall have USB connectivity			
for file and data transfer, Ethernet connection, a			
J1939 communication port for connection to the			
vehicle bus, a second CAN bus communication port			
for spreader-only data use, a J1708 connection for a			
road and air temperature sensor, and a RS-232			
connection for AVL communication. The CPU shall			
have on-board diagnostics, which provide real-time			
status of CAN bus communication, processor			
activity, and power status. The CPU shall have a			
built-in audible alarm for diagnostic purposes. The			
CPU operating system shall NOT be Windows-			
based.			
The spreader control interface shall have two, color-			
coded, continuous rotation encoders for granular and			
spinner control. These encoders shall have integrated			
push buttons for blast mode and stand-by. The			
controller shall have a third multifunction 4-way			
joystick that has an integrated rotary encoder and			
push button, that can be used for menu navigation,			
prewet liquid control, or an additional conveyor			
function. There shall be four, two-way soft keys			
included in the interface that are generically-labeled			

Description	Meets	Does Not Meet	Comments
and user-configurable for different functions depending on the equipment needs. The controller shall also utilize iButton technology that is capable of using a Supervisor key to provide access to the calibration parameters without the access code. The entire operator interface shall be backlit and encased in flexible silicone material with wear-limiting coating applied to the base silicone material. The operator interface shall communicate on the spreader control system CAN bus.			
The spreader control display shall be a remotely-mounted, 7" diagonal color TFT LCD, with a low-profile 16:9 widescreen format and minimum of 800X480 pixel resolution. LCD shall have variable LED backlighting. CCFL backlighting is unacceptable. The display shall include a scratch-resistant polycarbonate lens with anti-glare coating. A power status LED shall be immediately visible on the front of the display and shall report display diagnostics including loss of CAN communication. Display unit shall have a built-in audible alarm. To avoid driver distraction, the display shall have no integrated dials or pushbuttons and shall not be touch screen. LCD shall communicate on the spreader control system CAN bus.			
The operator menus shall be color-coded to match the encoder knobs on the operator interface. The display shall be capable of displaying the following on-screen simultaneously: Granular material name, granular material set point and actual application rate including units of measure, prewet liquid name, prewet liquid set point and actual application rate including units of measure, spread width, road temperature, air temperature, material usage total, liquid usage total, vehicle speed, and current date and time. The operator shall have the option of selecting five data items to be displayed onscreen during operation. The display will also provide four warning light indicators for low oil level, body up, oil temp, and filter bypass. These warning lights are to be functional regardless of spreader operation or status.			
The display must provide visual indication that the spreader control is connected to a compatible AVL device, if equipped. The spreader control shall warn operator if communication with the AVL device fails at power-up. A proportional PWM driver and input module (Valve Module) shall be remotely-mounted inside the hydraulic valve enclosure for control of both spreader control and joystick control outputs. The entire Valve Module shall be of rugged design for the mobile environment, and must meet IP68			

Description	Meets	Does Not Meet	Comments
requirements for dust and water ingression. The Valve Module shall include a minimum of eight proportional PWM outputs with potted valve output connections. All outputs shall be protected against short-circuits. Outputs shall be current-compensated and have adjustable PWM frequency. There shall be a minimum of five switch-to-ground type inputs for monitoring hydraulic system inputs such as oil level, body up, Hi and Low filter bypass, and oil temperature warnings. A minimum of two switch-to-ground type pulse train inputs shall be included in the Valve Module for connection of feedback sensors such as auger feedback and prewet liquid flowmeter feedback. A keyed and color-coded connection shall be provided for CAN bus connection to the CPU module inside the cab. A second CAN bus connection must be provided for daisy-chaining of multiple Valve Modules within the valve enclosure. Diagnostic LED's shall be included for every input and output on the Valve Module, as well as a power status LED and CAN bus activity LED's. The Valve Module shall be potted. The Valve Module shall include a stainless steel legend plate with engraved text for easy cleaning and identification of Valve Module connections.			
The integrated spreader control and joystick control system shall be equipped with a qualified ESTOP device that immediately disconnects battery power from all outputs. All spreader control and joystick-operated outputs shall immediately cease to function and the system display shall inform the operator that the ESTOP device has been activated. The ESTOP device must remove power from all output devices, while maintaining power to the display and CPU for diagnostic purposes. Resetting of the ESTOP device shall not result in spreader control and joystick-operated outputs returning to an ON state without operator acknowledgement. 22. PLOW POWER FLOAT:			
The counterbalance valve shall take some of the plows weight off the blade and on to the front of the plow truck. The valve shall work by supplying pressure to the lift cylinder to partially lift the plow. The same valve works for both single acting and double acting plow lift cylinders. Unused ports are plugged. Electrical switching shall be provided to automatically turn the valve off in order to hold the plow in the raised position. If the counterbalance valve is not turned off the plow will drift down after it is raised. Float lift pressure will need to be adjusted to insure that the plow drifts down at the right speed. The valve shall use a pressure reducing/relieving			

Description	Meets	Does Not Meet	Comments
valve to control the float lift pressure. Two solenoid			
valves wired together turn the valve off and on. One			
solenoid valve opens the inlet of the pressure			
reducing valve to the pump. The other solenoid valve			
opens the outlet of the pressure reducing/relieving			
valve to the lift port. Oil flowing in and out of the lift			
port is restricted with an orifice. 23. Control Valve: The hydraulic valve shall be of			
modular manifold design. Each hydraulic function			
requires an individual manifold stacked together to			
form the manifold base. The manifold base shall			
consist of an inlet section with SAE #16 inlet porting,			
SAE #20 outlet porting, and SAE #4 load sense			
porting. There shall be a main system relief in the			
inlet section to protect the system from high pressure			
in case the pump compensators fail. The dump body			
manifold shall be stacked next to the inlet section,			
and capable of 40 GPM with SAE #12 porting. The			
hydraulic control valves shall be pulse-width			
modulated, proportionally controlled. Each			
hydraulic valve segment shall be individually mounted to the manifold base assembly and be			
serviceable without removing any hydraulic hoses or			
any other hydraulic valve segments. Each hydraulic			
valve segment shall have individual pressure			
compensation to achieve independent simultaneous			
operations. All segments shall have heavy-duty			
continuous duty coils and connections shall be with			
Din connectors. All coils shall operate at 12 VDC			
and require a maximum of 1400 mille-amps. Each			
segment shall be equipped with a manual override			
except for the auger and spinner sections. The dump			
body segment shall be rated to 40 GPM, with all			
other segments rated to 20 GPM. If a double acting hoist is utilized, the dump body segment shall be			
equipped with a down side relief to protect the body			
down function. This relief shall be set to the hoist			
manufacturer's specifications. Valve segments shall			
be Force America Add-A-Fold® model or prior			
approved equal. The valve is to be arranged as			
follows:			
Hoist: 4-way with 500 PSI down side work port			
relief valve			
Plow lift: 4-way with down side relief.			
Power float valve to save on cutting edge wear Plow angle: 4-way			
Spreader Functions:			
Spin-A-Veyer end cover section, consisting of two			
pressure compensated cartridges that are a single			
piece design with hardened cartridge bores and			
spools. These shall be operated independently via a			
12 VDC pulse width modulated signal. Each valve			
shall have heavy duty 7/16-20 UNF screw style			
manual overrides that are adjustable from no flow to			
full flow. These valves shall be mounted in a			

Description	Meets	Does Not Meet	Commonto
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housing that is made of aluminum with gray			
anodizing for corrosion resistance and durability. The			
auger/conveyor shall be a 14 GPM spool and the			
spinner shall be a 7 GPM spool. 24. Snow Plow Mount with plow lights: Snow plow			
mount type: UQH Power tilt. Receiver pins at 13"			
center from ground up, with Force America float			
control assembly with power float valve and			
electrical installed that will provide plow lift up			
pressure and reduce weight on cutting edge. Plow			
lights are to be mounted so they are not obstructed			
when the plow is in the raised position			
V-Box Sander:			
V-Box is to be designed for used with a Stellar			
Hook Lift,			
25. General: This specification shall describe a v-			
box material spreader capable of hauling and			
spreading free flowing granular materials from a			
width of four (4) to forty (40) feet. This unit will			
consist of a steel body, discharge/feed conveyor, spinner disc, power drive, and all components			
necessary to make a complete operating unit.			
Bidders must submit with their bid complete			
specifications on the unit they propose to furnish.			
The manufacturing and production materials of the			
finest quality are to be used. This unit shall be			
factory ready to accept or retrofit servo controls.			
26. Body: This spreader shall be constructed of			
minimum 10-gauge steel with a double crimped top			
edge forming a 2" section for greater rigidity. The			
hopper body length shall not be less than 10' feet			
with two feet of longitudinal overhung for supporting			
the spinner assembly. The hopper shall not be more			
than 84" outside width. The capacity of the hopper			
shall be 6 cubic yards' water level full. The body			
sides shall have forty-five-degree pitch. The body			
longitudinal shall be manufactured of 10-gauge steel.			
The channel cross sills shall be 7-gauge steel. A 4" X 6" formed steel bolt in box beam will be elevated			
3" above the top edge of the hopper, thus providing a			
longitudinal brace and hinge point for the top			
screens. A 7-gauge steel 12"X18" steel feed gate and			
ruler shall be provided at the rear of the hopper to			
allow for accurate discharge. The screw type jack			
with stainless steel crank shall be provided and be			
self-locking. There shall be 10 gauge formed side			
supports that extend the full angle height spaced on			
2' centers. All steel joints shall be welded. All sub-			
assemblies shall be secured with appropriate			
hardware. A mounting kit shall be provided to safely			
secure the hopper to the truck.			
27. Conveyor: The conveyor system shall be of the			
bar flight type running longitudinally with the body			
feeding material to the feed gate opening. The overall conveyor width shall not be less than 24". To			
protect the chain link strands, the top edge of the			

Description	Masta	Does Not	_
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longitudinal shall be formed down over the strands			
exposing only the drag chain bar to the material. The			
conveyor floor shall be of the flat design and			
manufactured of 10-gauge steel. The conveyor floor			
shall be supported on 12-gauge steel cross angles			
spaced approximately 12" apart. The gearbox shall have hardened and ground bronze gears mounted on			
a 1 ½" diameter drive shaft and supported on tapered			
roller bearings. The gearbox ration shall be 50:1ratio			
with no exceptions. The drive and idler sprockets			
shall be 6 tooth drop forged steel sprockets keyed to			
the 1 ½" diameter drive shaft and 1 ¼" diameter idler			
shaft. Both the conveyor shafts shall have heavy			
duty, dust sealed, self-aligning ball bearings			
equipped with grease fittings. A heavy duty spring			
loaded idler adjustment assembly shall provide			
approximately 4" of adjustment for proper conveyor			
chain tension.			
28. Conveyor Chain: The conveyor chain shall be			
heat treated 2.25" pitch self-cleaning pintle type with			
7/16" pins, and a tensile strength per strands of			
21,000 pounds. This chain shall utilize 3/8" x 1 ½"			
x 18 3/4" crossbars welded on both the top and the			
bottom to every other link making an overall width of 22".			
29. Spinner Assembly: The distributor disc shall be			
20" polyurethane. A minimum fourteen (14) inches			
overall clearance from the ground to obstruction.			
30. Power Drive: The conveyor chain shall be			
driven through the 50:1 ratio worm drive gearbox by			
a low speed, high torque "orbital type" hydraulic			
motor. This motor shall be directly coupled to the			
spinner hub thus eliminating any extension shaft or			
bearings. The gear box or drive motor shall be			
equipped with all necessary components for spreader			
feedback system. Feedback sensor shall be			
incorporated in the motor.			
31. Top Screens: The top screens shall be			
constructed of 3/8" steel rods welded to form a 2.5"			
square mesh, which is framed by a combination of 1/4" x 1 1/2" flat steel and 2" angle iron with the edge			
supports reinforced by ¹ / ₄ " x 1" flat bars. Top screens			
shall be designed in a manner to be easily removed			
and installed similar in design like or similar to a			
"Drop and Lock" type hinge. Screens utilizing			
hardware that may vibrate loose are not acceptable.			
A ladder shall ascend the rear of the V-Box.			
32. Inverted Vee: The inverted vee shall be			
adjustable in height, and located approximately 14"			
to 16" above the conveyor. This inverted vee shall			
be made of 10-gauge steel.			
33. Painting: All steel metal shall be orange			
powder coat painted. Carbon steel components shall			
be chemically cleaned and coated with a lead free			
rust inhibitive primer and painted lead free grey			
enamel			

Description	Meets	Does Not Meet	Comments
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34. Latch Kit: The latch mechanism shall be of			
Hook lift manufactures requirements, and may			
incorporate the use of a sliding Jib, and body locks or			
other proven means.			
35. Light Kit: This assembly shall include one (3)			
light ID cluster, two 5" stop turn, and tail lights, two			
red clearance lights, and four red reflectors. All			
lights shall be shielded and mounted on the V-Box.			
Lights shall plug in behind cab. V-box legs are not to			
interfere with the lights when in the raised position.			
A work light shall be mounded at the rear of the V-box drivers side.			
36. Front Grease Extensions: Grease tube			
extension from front bearings to rear manifold.			
37. Hydraulic and electrical connections: all			
connections shall be made behind cab and mounted			
vertical to prevent salt and water intrusion.			
*	4 - •4	<u> </u>	241- C4-1111
24,000 LB Hook Lift manufactured	to interc	nange w	th Stellar body components
To accommodate dump box and V-box sander as			
described above as well as existing Stellar			
equipment manufactured to attach to Stellar Hook			
systems 10-12 Foot (approximate) length units.			
Standard in cab controls			
Hydraulic locks to prevent cylinder collapse			
Latching mechanism that prevents body from			
premature detach			
Minimum dump angle of 54 degrees			
10 Foot snow plow blade. Equivalent to Monro			
MP36R10-CT			
Moldboard Thickness: 10 Gauge No. of 1/2" Vertical Ribs: 6			
Moldboard Top Angle: 2" x 3" x 3/8" Adjustable Moldboard Pitch Settings: 5° 10° 20°			
Adjustable Moldboard Pitch Settings: 5°, 10°, 20° Semi-Circle: 31/2" x 31/2" x 1/2" A36 Hot Rolled			
Angle Bottom Moldboard Angle: 3/4" x 4" x 4"			
Reversing Cylinders: (2) 3" x 10" Double Acting			
Reversing Limits (left & right): 35°			
Plow to Table Hinge Points: 4			
Cutting Edge: 5/8" x 8" Top Punched			
Pivot Pin: 11/4" Stopped			
Cylinder Pins: 11/4"			
Lift System: Built-In Level Lift			
A 24" X 10" 3/8 to ½ "thick rubber deflector shall be			
attached to the top of the plow blade			
Plastic covered cable type plow markers shall be			
included			
Pre build meeting: A meeting will be held prior to			
any work on the truck. This meeting will include all			
parties involved in the build. It shall be scheduled by			
the winning bidder as soon as possible after bid is			
awarded. The meeting location will be determined by			
the winning bidder			
Pre delivery inspection: All components			
attachments and accessories shall be delivered			
together with the truck pretested for functionality.			

Description	Meets	Does Not Meet	Comments	
Each component shall be tested again by the Cities user department at time of delivery while a selling				
company representative is on site. Please allow time				
during the delivery process for this to be				
accomplished				
Warranty: Full factory standard unlimited				
warranty (please specify warranty period for cab &			!	
chassis, engine & drive train, transmission, V-Box,				
and Hook Lift				
OPTIONAL EQUIPMENT				
Please quote optional rear camera system which activates when the truck is shifted into reverse.		when	¢	
		Φ		

SECTION V. BID FORM

The Owner will receive electronic bids through the Rocky Mountain E-Purchasing website, www.bidnetdirect.com/colorado prior to the date and time indicated on the front of this document at which time the bids will be publicly opened and read, for furnishing the materials, supplies, equipment and/or services, as shown below and/or attached hereto: **FOB DESTINATION** delivered at Grand Junction, Colorado. **TRANSPORTATION CHARGES PREPAID.** All in accordance with the bid conditions, special provisions, and specifications attached or as indicated below.

Purchasing Representative: Susan Hyatt	susanh@gjcity.org	970-244-15	13
Net price for <u>one</u> 4x2 Single Axle Rear Dual V	Wheel Hook Lift Truck w Attac	hments \$	
Written:			Dollars
Price Extended for Two: \$			
Year/Manufacture/Model No.:			
DELIVERY: State expected delivery time af	ter receipt of order.	days ARO	
Order Cutoff Date (Please specify the ord	er cutoff date if any):		
WARRANTY: Specify Warranty and sup	oply manufacturer's docum	entation:	
Θ Θ Θ	Θ Θ Θ	Θ Θ Θ	
OPTIONAL TRADE #1: Unit 1410, 5 Y	RD Dump Truck: 2005 Inter	national 7300 7 200	engine
hours. Estimated engine hours at time of tr		national 7300 7,200	engine
\$			_Trade Offered
Written			Dollars
OPTIONAL TRADE #2: Unit 2298, 5 Y	RD. Dump Truck: 2005 Inter	national 7300 7,400	engine
hours. Estimated engine hours at time of tr	ade is 8100 hours.		J
\$			_Trade Offered
Written			Dollars
Θ Θ Θ	Θ Θ Θ	Θ Θ Θ	
ADDENDA: State number of Addenda receiv	ved:		
DATE			
Prompt payment discount of City if the invariance is paid within			ffered to the
City if the invoice is paid within	days after the recei	pi of the invoice.	

- The undersigned certifies and agrees that this Proposal is submitted in accordance with all applicable Federal, State, County, and City laws.
- The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.

(Company Name of Bidder – Typed or Printed)	(Phone Number of Bidder)
(Address of Bidder)	(Authorized Agent or Contact Name – Typed or Printed)
(City, State, and Zip Code)	(Authorized Signature)
(E-mail Address of Agent or Sales Contact)	

ATTACHMENT 'A'

CHIP BAR AND HITCH ASSEMBLY

- 1. Ground to center to pintle hitch (24")
- 2. Ground to center of chip bar (14")
- 3. From edge of dump bed to chip bar center (14")
- 4. Minimum radial clearance chip bar area (8")
- 5. Minimum inside clearance (8")
- 6. Inside minimum clearance (15")

CHIP BAR

