

INVITATION TO BID
CITY OF CHEYENNE, WYOMING
PURCHASING OFFICE – ROOM 309 – MUNICIPAL BUILDING
2101 O’NEIL AVENUE, CHEYENNE, WY 82001
PHONE: (307) 773-1045

(THIS IS NOT AN ORDER)

BID OPENING DATA	Contact: TJ Barttelbort, (307) 773-1045	The City of Cheyenne is a political subdivision of the State of Wyoming and is a tax exempt entity.
BID NUMBER: E-30-21		
MANDATORY PRE-BID MEETING: MAY 6, 2021	TIME: 11:00 AM	
QUESTION SUBMISSION DATE: MAY 12, 2021	TIME: 5:00 PM	
BID DUE DATE: JUNE 3, 2021	TIME: 2:00 PM	
Sealed bids will be received in the above City office until the date and time set for opening, for the items shown below. If awarded this bid, the undersigned bidder agrees to furnish the proposed goods and/or services at the prices stated below in accordance with the General Provisions, Special Provisions, and other applicable bidding documents including specifications.		

The City of Cheyenne will receive sealed bids for furnishing Three (3) New Current In Production 2021-2022 Solid Waste Transfer Trailers, for the City of Cheyenne, Sanitation Division, FOB destination City of Cheyenne Fleet Maintenance Shop, 2731 Old Happy Jack Rd, Cheyenne, WY, in accordance with the attached specifications. The City reserves the right to evaluate variations from the specifications and to award the bid that best meets its needs at the least cost. **The City reserves the right to add or subtract the quantity of items being purchased based on budget availability (award will be based on the Cost/Each, as identified below).**

There will be a **MANDATORY** pre-bid meeting held on **May 6, 2021 at 11:00 AM** in Room 307 of the Municipal Building, 2101 O’Neil Avenue, Cheyenne, WY. The City will **reject** bids from any company who **has not** signed the attendance sheet **prior** to the commencement of the mandatory pre-bid meeting. The bidding documents, terms, and specifications will be reviewed at the pre-bid meeting. Online meetings will not be utilized for the pre-bid meeting, and any bidder must be physically present for the pre-bid meeting.

Questions, Substitutions, Line Item Modifications, or Clarifications, shall be directed to the City Purchasing Manager, by e-mail at tbarttelbort@cheyennecity.org. Questions will be received until **5:00 pm local time on Wednesday, May 12, 2021**, after which no additional questions will be accepted. The City will provide a response via Addendum no-later-than **5:00 pm local time on Monday, May 17, 2021**.

All questions, bid exceptions, or requests for clarification shall be submitted in the following format: Page Number, Section, Line Item Number, (Exception / Question / Deviation). *****Please see “BID LINE ITEM SPECIFICATION REVIEW PROCESS INSTRUCTIONS” on page 8, for further details on this process.*****

THREE (3) NEW CURRENT IN PRODUCTION 2021-2022 SOLID WASTE TRANSFER TRAILERS FOR THE SANITATION DIVISION

_____ (Cost/Each) \$ _____ (Total Qty/3) \$ _____

Bidder to specify Make/Model/Year of Trailer

Please state delivery time frame: _____ # DAYS ARO (After Receipt of Order)

The delivery time stated above will be used in the calculation of Liquidated Damages, if delivery exceeds the Number of Days ARO listed above

TRADE IN OPTIONS

Trade-In Option (Block #5885): (See paragraph 4 in the General Provisions) \$ _____

Trade-In: 2014 Wilkens Walking Floor Trailer

VIN # 1W91A4827EM288584

City Block #5885

Trade-In Option (Block #5886): (See paragraph 4 in the General Provisions) \$ _____

Trade-In: 2014 Wilkens Walking Floor Trailer

VIN # 1W91A4829EM288585

City Block #5886

Trade-In Option (Block #5887): (See paragraph 4 in the General Provisions) \$ _____

Trade-In: 2014 Wilkens Walking Floor Trailer

VIN # 1W91A4820EM288586

City Block #5887

GRAND TOTAL

Three (3) New Current In Production 2021-2022 Solid Waste Transfer Trailers For The Sanitation Division

Less Trade In Block #5885

Less Trade In Block #5886

Less Trade In Block #5887

GRAND TOTAL \$ _____

Bid Guarantee:

Bid guarantee in the amount of 5% of the total bid amount as required by Wyoming Statute 15-1-113 must be submitted w/your bid (see paragraph 15 of the General Provisions attached).

Bid Guarantee shall be submitted for the following bid items:

1. Three (3) New Current In Production 2021-2022 Solid Waste Transfer Trailers For The Sanitation Division
2. Plus (Not Less) Trade-In Offer on Block #5885, #5886, #5887

Resident Bidder:

If claiming to be a resident bidder, please attach a copy of your “State of Wyoming Certificate of Residency Status”.

The undersigned bidder certifies that the firm submitting this bid **IS** [] **OR IS NOT** [] a Wyoming resident bidder as defined by Wyoming Statute §16-6-101. *(Please select One (1) Option with an ‘X’)*

Marked Bid Specifications:

The Line Item Bid Specifications from this Bid, or updated Specifications provided in subsequent Addenda (If Any) **ARE** [] **OR ARE NOT** [] included with this Bid Submission for review by the City. The City will consider as incomplete any bid in which the marked Line Item Bid Specifications are not included, **and this will be a basis for bid rejection.** *(Please select One (1) Option with an ‘X’)*

Addendum Acknowledgement:

The Bidder acknowledges receipt of the following addenda to the Bid Documents (if none, so state). The City will consider as incomplete any bid in which all addenda are not acknowledged, **and this will be a basis for bid rejection.**

_____.

Addendum No. Dated

Bidder’s Name: _____	E-mail _____
Bidder’s Address: _____	City _____ St. _____ Zip _____
Phone: _____	Fax: _____
Signature: _____	Title: _____

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

GENERAL PROVISIONS

1. Bidders failing to use the bid form provided by the City will be disqualified. Only one copy of the bid is required. Alternate bids will not be considered unless specifically requested by the City. The bid proposal shall not contain any recapitulation by the bidder of the work to be done or items to be furnished in an attempt to condition the bid. Any such recapitulation will not be deemed to vary any of the provisions of the Invitation to Bid. Any deviation from the specification shall be clearly indicated by the bidder. Bids must be signed in the space provided on the face of the bid. The signature shall be that of a person authorized to bind the company in a legal contract. Unsigned bids will not be considered.
2. Bids may not be withdrawn for a period of 45 days after the bid opening. Bids may be revised prior to opening in writing, signed by an authorized representative of the company; or fax or email prior to the bid opening and followed with proper written confirmation received by the City within three calendar days thereafter. No bid may be revised after the opening.
3. Bids will be publicly opened and read at the time and place advertised for opening of bid, as shown on the "Invitation to Bid". Written addenda will be issued to all bidders of record in the event any changes are made to the bidding documents or if the bid opening date or time is revised. Requests for bid clarification shall be made no later than **ten (10)** days prior to the opening date. The City's response will be provided to all bidders of record. No bid received after the opening time has arrived will be considered. Late bids will be returned unopened. It is the sole responsibility of the bidder to ensure that bids arrive by the date and time specified. The bid shall be submitted in a sealed envelope which shows the bid number or name of item or service being bid, and date and time of opening to ensure against premature opening of the bid. **FAXED OR EMAILED BIDS WILL NOT BE ACCEPTED.** If the City of Cheyenne Municipal Building is closed for any reason at the date and time scheduled for bid opening, the bid opening will automatically be rescheduled for the same time on the next working day that Municipal Building is officially open.
4. Award will be made to the qualified, responsible Wyoming resident bidder submitting the lowest responsive bid, if such resident's bid is not more than five percent (5%) higher than that of the lowest qualified nonresident bidder. Bidders are required to indicate their residency status in the space provided on the face of the bid. If the bidder is a resident bidder, they may be asked to provide a copy of the "State of Wyoming Certificate of Residency Status". The 5% Wyoming resident preference will not be applied for expenditures where federal funds are involved. Basis for award will be on total bid unless stated otherwise, and will include, where applicable, trade-in allowance, discounts, and other factors that may be indicated in the "Invitation to Bid". Prompt payment discounts of less than 20 days will not be considered in award; otherwise, terms are net 30 days. In all cases where trades are shown on the "Invitation to Bid", the City reserves the right to trade or not to trade as deemed in its best interest. Trade-ins are "As Is-Where Is". If the City elects not to trade, award will be based as stated above, without taking the trade(s) into consideration for total bid amount. The City reserves the right to reject any or all bids and to waive any formality or technicality in any proposal in the interest of the City. Unit prices shall reflect all costs relative to furnishing the item, for if the accepted bid exceeds budgeted funds, the City may decrease or delete items; or if funds are available and additional quantities are needed, the City may increase quantities as necessary. Basis of payment will be for actual quantities ordered and received. If applicable to this Invitation to Bid, a formal contract may not be executed, but rather, a purchase order will be issued to the successful bidder for the goods or service to be purchased as a result of this invitation to bid.
 - a. **The City reserves the right to reject the item(s) delivered, if the item does not meet the specifications provided by the City and the item(s) can't be fixed. The City will not accept the item(s), and the bidder will forfeit their bid bond.**
5. When an item requested in the bid is identified by a brand name, trade name, or catalog number or reference, it is understood that the bidder proposes to furnish the item so identified and does not propose to

furnish an "equal" unless his bid proposal so indicates and he has obtained prior approval from the City for the item. The reference to the brand name, trade name, or catalog number is intended to be descriptive but not restrictive and only to indicate to the bidder articles that will be satisfactory. Bid for other brands, makes, etc., will be considered provided the bidder clearly states on their proposal exactly what they are proposing to furnish, and has submitted to the City at least **ten (10)** days prior to the bid opening date, illustrations, specifications, or other descriptive matter which clearly indicates the character of the article(s) to be covered by this bid, and has obtained the prior approval of the City for the proposed "equal". The City reserves the right to approve as equal, or to reject as not being equal, any article the bidder proposes which contains major or minor variations from specifications or other requirements, but which may comply substantially therewith. Wyoming materials and products of equal quality and desirability shall have preference over materials and products produced outside the state.

6. All items proposed shall be new and manufacturer's current model unless the City specifically requests or addresses used or demo products in the specifications. The City reserves the right to call for demonstration of products or services at no cost to the City prior to award of the bid.
7. All bid prices shall be quoted F.O.B. the applicable City Department, Cheyenne, Wyoming, unless the City specifically states otherwise elsewhere in the bidding documents.
8. All applicable federal, state, and City laws, ordinance or regulations shall apply to products or services purchased as a result of this bid. The provisions of Wyoming Statute § 15-1-113, incorporated herein by reference are an express part of these bidding documents. All bid and contract documents shall be interpreted and construed according to the laws of the state of Wyoming.
9. The bidder shall state warranty on labor and materials in months, years, hours, miles, etc., as applicable. The bidder shall assume costs of all labor, materials, per diem, freight, transportation, and any other item incidental to warranty maintenance or repairs.
10. The bidder shall comply fully with all requirements of the Equal Employment Opportunity Commission (EEOC) and the Americans with Disabilities Act (ADA) in the same manner as is expected from the City of Cheyenne. If the bidder or the bidder's employees or subcontractors are found in violation of these requirements, any order placed as a result of this bid may be canceled. The bidder shall be responsible for all such noncompliant action and shall defend, hold harmless and indemnify the City of Cheyenne there from.
11. All parties to this bid and to any order or agreement resulting from this bid assure that no person shall be excluded from participation in, denied the benefits of, or otherwise discriminated against in connection with the award and performance of the requirements of this bid on the grounds of age, sex, race, creed, color, national origin, ancestry, religion, pregnancy, qualifying disability, sexual orientation, or gender identity. The bidder agrees to include the language of this paragraph in all agreements associated or connected in any way with furnishing of products or services as a result of this bid.
12. In compliance with the Drug-Free Workplace Act of 1988, the City of Cheyenne has established an "Alcohol and Controlled Substance Policy" that pertains to alcohol and drug usage by City of Cheyenne employees. The successful bidder and its employees and subcontractors are required to comply with the provisions of the City's Alcohol and Controlled Substance Policy for drug and/or alcohol usage on City property or other sites occupied by the successful bidder while performing the duties and responsibilities connected with furnishing of the products or services of this bid. It is the responsibility of the successful bidder to become familiar with the requirements to this policy, to inform its employees and subcontractors of their obligations to comply and to assure their compliance therewith. If the successful bidder, its employees, or subcontractors are found in violation of this policy, any order placed as a result of this bid may be canceled.

13. In submitting a bid for this project, the bidder agrees if awarded the bid, to defend, hold harmless, and indemnify the City, its officials, employees and authorized volunteers against any and all claims and costs, including attorney's fees, arising during or resulting from the successful bidder's performance of any work or furnishing any product, and shall carry such liability insurance as necessary to achieve this objective. The successful bidder acknowledges its understanding of this paragraph and realizes it may have a financial responsibility to the City hereunder. The City does not waive any applicable defenses and expressly reserves the right to invoke governmental immunity pursuant to the Wyoming Governmental Claims Act, Wyoming Statute § 1-39-101, et seq. for any claim arising out of performance of this work.
14. Parts of these General Provisions may be supplemented or superseded by specific requirements of the Invitation to Bid, Specifications, or Special Provisions.
15. The bid shall be accompanied by a bid guarantee in the amount of five percent (5%) of the total bid, if the total bid amount is \$35,000.00 or more. The 5% bid guarantee may be in the form a bid bond secured by a surety or guaranty company authorized to do business in the State of Wyoming or a cashier's check made payable to the City of Cheyenne. Cash deposits, personal checks or company checks (unless certified) will not be accepted. In the event Trade-Ins are shown on the "Invitation to Bid," the bid guarantee shall include the total value of the Bid amount, including the value of Trade-Ins. For example, if the Bid amount includes \$50,000 in equipment and \$10,000 in Trade-Ins, the bid guarantee would be \$3,000 (5% x (\$50,000 + \$10,000)). The bid guarantee will ensure that the bidder will not withdraw his bid within 30 days after the bid opening, and that he will execute the contract and furnish such bonds, insurance certificates, and other documents; as required in the Bidding Documents; and in the event of the bidder's failure thereof, the bidder shall be liable to the City on account of his default for the amount of bid guarantee as liquidated damages in accordance with Wyoming Statute § 15-1-113. Bid guarantee of unsuccessful bidders will be returned promptly.
16. Force Majeure: The performance of the Agreement by either party shall be subject to force majeure including, but not limited to, acts of God, fire, flood, natural disaster, war or threat of war, acts or threats of terrorism, civil disorder, unauthorized strikes, governmental regulation or advisory, recognized health threats as determined by the World Health Organization, the Centers for Disease Control, or local government authority or health agencies (including, but not limited to, the health threats of COVID-19, H1N1, or similar infectious diseases), curtailment of transportation facilities, or other similar occurrence beyond the control of the parties, where any of those factors, circumstances, situations, or conditions or similar ones prevent, dissuade, or unreasonably delay the performance required by this Agreement. The Agreement may be cancelled by either party, without liability, damages, fees, or penalty, and any unused deposits or amounts paid shall be refunded, for any one or more of the above reasons, by written notice to the other party.

REVISED 7/1/2020

“LIQUIDATED DAMAGES”

Unavoidable Delays:

A delay in the delivery of one or more items due under this Contract shall be deemed to be unavoidable if the delay: (1) was not reasonably expected to occur in connection with, or during, the Contractor’s performance; and (2) was not caused by the Contractor’s negligence or intentional misconduct.

Notification of Delay:

The Contractor shall provide immediate verbal or electronic notification to the Contracting Officer when the Contractor becomes aware of any event or circumstance that will delay the delivery of any item or items due under this Contract. The Contractor shall also provide written notice to the Contracting Officer no later than five (5) calendar days after the verbal or electronic notice. The written notice shall include complete and detailed information relating to the events and circumstances causing the delay and the anticipated duration of the delay.

Request for Extension:

- a. If the Contractor wishes to seek an extension of time for the delivery of one or more items due under the Contract, the Contractor shall supply any and all information the Contracting Officer may require to determine whether the delay is unavoidable. The Contracting Officer shall examine the request and supporting information supplied by the Contractor to determine whether the Contractor is entitled to an extension, and if so, the duration of such extension. The Contracting Officer shall grant an extension of time if consistent with the mutual duties of the City of Cheyenne and the Contractor to engage in good faith and fair dealing. The Contracting Officer shall notify the Contractor of this determination in writing.
- b. It is expressly understood and agreed that the Contractor shall not be entitled to reimbursement for damages, compensation, loss of profits, or any other expense that may be incurred by the Contractor due to delays in the delivery of one or more items due under this Contract.

Liquidated Damages:

If the delivery of any item is delayed and the delay is not unavoidable, the Contracting Officer may assess as liquidated damages a sum equal to a tenth of a percent (.10%) of the per item price per calendar day or \$30.00 per item per calendar day, whichever is greater. These damages shall be deducted from any money due, or which may thereafter become due the Contractor under this Contract.

NOTE: Refusal to pay Liquidated Damages will void bid

BID LINE ITEM SPECIFICATION REVIEW PROCESS INSTRUCTIONS

*****If you are not able to 100% certify, YES, that the option you intend to propose fully meets the written Bid Specification, you must bring ANY/ALL Bid Exceptions or Substitution Requests to the attention of the City of Cheyenne for review & consideration*****

EXAMPLE OF PROPOSING QUESTIONS, SUBSTITUTIONS, LINE ITEM MODIFICATIONS, OR CLARIFICATIONS :

Bidders shall select Y to indicate YES to meeting the Line Item Specification/Scope of Work, or N to indicate NO to meeting the Line Item Specification/Scope of Work. Bidders shall submit any Bid Exceptions or Substitution Requests in accordance with the instructions on Page 1 of this Bid. If a Bidder does not indicate Y or N on a Line Item, the City will assume that you do not meet the Line Item Specification/Scope of Work Description. If you do not clearly mark Y or N, or mark both Y & N the City will assume that you do not meet the Specification. **BIDDERS ARE INSTRUCTED TO RETURN THE MARKED LINE ITEMS SPECIFICATIONS WITH THEIR BID SUBMISSION FOR REVIEW BY THE CITY.** The City will consider as incomplete any bid in which the marked Line Item Bid Specifications are not included, **and this will be a basis for bid rejection.**

EXAMPLE MINIMUM SPECIFICATIONS

EXAMPLE MECHANICAL

Y N 1. Transmission, 10 Speed Automatic

Example of Proposing Bid Exceptions or Substitution Requests:

Page (X), Mechanical, Line Item 1, (We propose an 8 Speed Automatic Transmission)

END EXAMPLE

The City of Cheyenne will review all submitted Bid Exceptions or Substitution Requests, and will provide approved updates and clarifications to the Bid Specifications via written Addendum.

The City of Cheyenne reserves the right to determine equivalency, and all approved equals.

When specifications are revised/updated/clarified the City will **re-issue the specifications fully via Addendum**, with changes & deletions made in-line.

Additions and Clarifications will be made in **BOLD & UNDERLINED**, deletions will be made in ~~RED & STRIKETHROUGH~~.

Bidders shall utilize the specifications from the most recently issued Addendum **if any** for their Bid submission. When the City conducts a review of the submitted bids, **the last issued** Bid Specifications (whether from the Original Bid, or from subsequent Addenda) are the **ONLY** specifications the City will review. Bidders are instructed to ensure that their final marked Bid Line Item Specification submission is from the last issued Addendum **if any**.

HOW TO PREPARE BID SUBMISSION FOR SUBMITTAL

Bidders shall submit their physical bid submission(s) in the following format & order:

1. Bid Bond or Cashiers Check, for Bid Guarantee **if required**
2. Bid Price Sheet & Signature Page from Bid, or subsequent Addendum **if any**
3. Marked Specifications from Bid, or subsequent Addendum **if any**
4. State of Wyoming Certificate of Residency Status **if claiming**
5. Warranty Information / Build Sheet / List Sheet / Line Sheet **as required**
6. All other supplementary brochures, pamphlets, or information **if any**

MULTIPLE BID OPTIONS / UPFITTERS

Any bidder wishing to submit **more** than One (1) Bid, or submit multiple options/upfitters, shall submit One (1) Complete Bid Submission, for each submitted Bid Option or Upfit Option (To include items 2-6 above). Bidders shall clearly indicate on the Bid Price Sheet, which Upfitter they are submitting with, on each of their submitted options.

Bidders shall submit **ONE (1) CONTINUOUS** set of specifications and **SHALL NOT DIVIDE OR SPLIT** the marked Line Item Specifications between the main Bidder and Upfitter.

The City requests that Bids be submitted in this manner so that the City may review each distinct combination of Bid/Upfit independently without needing to review and compile separate specification sections. The City will review each submitted Bid option on a stand-alone basis, and **will not** compare between different submitted options if discrepancies or deviations arise. (I.e. If a bidder marks YES to Line Item #1 in their First (1st) Bid Option, and NO to Line Item #1 in their Second (2nd) Bid Option, the City will consider the 1st Bid Option as **RESPONSIVE**, and the 2nd Bid Option as **NON-RESPONSIVE**).

Bidders submitting more than One (1) Bid option may still submit all options in One (1) sealed envelope, so long as each Bid Option is **clearly marked/separated within the envelope**.

CLARIFICATION: Only One (1) Bid Guarantee is required, for the amount of the **MOST** expensive bid combination.

EXAMPLE:

If vendor ABC Motors, wishes to submit a bid with their One (1) Chassis Option, with Two (2) different Body Upfitters, ABC Motors must complete two (2) separate Bid Submissions. One (1) full Bid Submission with Upfitter #1, and One (1) full Bid Submission with Upfitter #2. ABC Motors must submit One (1) Bid Guarantee, for the most expensive of their Two (2) submitted bid options.

SPECIFICATIONS

Bidders **shall** select **Y** to indicate **YES** to meeting the Line Item Specification/Scope of Work, or **N** to indicate **NO** to meeting the Line Item Specification/Scope of Work. Bidders shall submit any Bid Exceptions or Substitution Requests in accordance with the instructions on Page 1 of this Bid. If a Bidder does not indicate **Y** or **N** on a Line Item, the City will assume that you do not meet the Line Item Specification/Scope of Work Description. If you do not clearly mark **Y** or **N**, or mark both **Y** & **N** the City will assume that you do not meet the Specification. **BIDDERS ARE INSTRUCTED TO RETURN THE MARKED LINE ITEMS SPECIFICATIONS WITH THEIR BID SUBMISSION FOR REVIEW BY THE CITY.** The City will consider as **incomplete** any bid in which the marked Line Item Bid Specifications are not included, **and this will be a basis for bid rejection.**

MINIMUM SPECIFICATIONS FOR THREE (3) NEW CURRENT IN PRODUCTION 2021-2022 SOLID WASTE TRANSFER TRAILERS FOR THE SANITATION DIVISION

APPLICATION

- Y N 1. Trailer shall be used in refuse disposal operations. The units shall operate on paved streets and freeways as well as unimproved roads at landfill sites. The truck and semi-trailer combination shall be configured to carry the maximum payload permitted under law (80,000 GCVW).

CODE

- Y N 1. The unit shall comply with all Federal and State of Wyoming and Colorado standards for highway use trailers which are in effect on the date of delivery. Each unit shall have capacity and identification plate with a statement that the trailer complies with all applicable Federal and State laws and regulations relating to motor vehicle operations, safety, noise abatement and emission control.

MODEL

- Y N 1. New current model tandem axle semi-trailers shall not be built-up from a lighter unit to comply with these specifications.

MINIMUM SPECIFICATIONS

- Y N 1. Gross combined weight/The allowable gross combined vehicle weight rating (GCVWR) shall not be less than 80,000-pounds.

DIMENSIONS

- Y N 1. Overall length 48-feet.
- Y N 2. Overall height 13-feet 4-inches, this is to include flip top mechanism.
- Y N 3. Overall width 98-inches front, 102-inches rear, 4-inch taper
- Y N 4. Interior length 47-feet 9-inches
- Y N 5. Interior width 92-inches front, 96-inches. rear, 4-inch taper
- Y N 6. Interior height 100-inches front, 107-inches rear, 7-inch wedge

- Y N 7. Capacity 120-cubic yard minimum
- Y N 8. Tare weight/not to exceed 18,000-pounds

CONSTRUCTION

- Y N 1. Trailer shall be constructed of aluminum and steel. Sides are to be 5052H32 .125 aluminum with .125 aluminum posts on 13.63-inch centers. Posts to be huck bolted with .250 MGPT-R8-10 huck bolts and MGCR8UL collar on 8-inch centers where the sheets are seamed. Seams are to be double lapped. The side posts must extend down over the outside of the bottom rail not rest on the top of it. Posts to be 1.75-inch body height; 5.5-inch body width; 1.25-inch flanges. Posts to have 70-degree front and rear flanges. Six (6) huck bolts shall attach each post to the bottom rail using MGR8UL collars, four (4) huck bolts attaching the posts to the top rail.
- Y N 2. Bottom rail: 6.5-inch X 1.81-inch; 7-gauge formed channel 50,000-pound min. yield steel.
- Y N 3. Top rail: 4-inch X 6-inch X .375-inch wall thickness aluminum extruded one piece.
- Y N 4. Bulkhead: 5052H32 .125 aluminum front sheets. 10-inch diagonal corners, three (3) aluminum vertical posts on the exterior of the bulkhead. One (1) aluminum horizontal reinforcement on the inside of the bulkhead. Bulkhead and posts to be huck bolted.
- Y N 5. Cross members: 4-inch deep (minimum), I-beam. Weight 3.2-pounds per foot on 13.63-inch centers, 80,000-pound minimum yield strength welded to bottom rails.
- Y N 6. Sidewalls are to be huck bolted to allow for flexibility.
- Y N 7. King pin: ¼-inch Domex steel pick up plate with ¼-inch Domex Channel.
- Y N 8. Cat Walk with railing: Across front of trailer extending 24-inch out, 42-inch below top rail with ladder to bottom of trailer, mounted on the curbside. Vertical ladder mounted on the bulkhead toward curbside to access cat walk. Also, a short ladder to be installed on rear of trailer to get into trailer when door is open.
- Y N 9. Front window: 9.5-inch X 9.5-inch expanded metal screen, window to be offset on driver's side, center of window should be 6-inch from center of bulkhead and 46-inch from 5th wheel plate to center of window.
- Y N 10. Joints: Front top rail corners, rear header and middle cross bar to be flexible. (MUST BE BOLTED, WELDING NOT ACCEPTABLE).

SUSPENSION

- Y N 1. Hutch H9700 tandem 3-leaf spring suspension with H365-01 3-leaf low-arch spring, straddle mount hangers, reinforced to the frame. 25,000-pound per axle.
- Y N 2. Axles: Meritor 25,000-pound capacity top-mounted 30-30 brake chambers. 5-inch round, 77-1/2-inch track. Automatic slack adjusters.
- Y N 3. Landing gear: Fleetcraft J Model with 160,000-pound static load capacity, 50,000-pound lift capacity, square cushioned self-leveling skid foot, driver's side crank, 78-inch stance.
- Y N 4. Landing gear supports must be attached to a minimum of six (6) cross members. Landing gear supports shall be fabricated from 10-gauge 50,000-pound minimum yield steel. Each support to have a minimum of 7.5-square

feet of material. Cross and diagonal bracing shall be 3-inch channel bolted to landing gear. Landing gear to have extra weld on brackets on the lower outside tube and bolted to this landing gear supports.

- Y N 5. King pin to center of landing gear: 111-inch
- Y N 6. King pin to center of rear axle: 41-feet 6-inches
- Y N 7. King pin standard SAE with 36-inch setting
- Y N 8. Main sub-frames: 4-inch X 8-inches X 3/16-inch X 20-feet, 50,000-pound minimum yield tubular steel, welded to each cross member and gusset every other cross member. The drive unit to be placed in between the sub-frames and welded securely.
- Y N 9. Rear bumper assembly: 7-gauge, 50,000-pound minimum yield steel. Bumper shall be formed of one-piece construction with no ledges for product hang-up.
- Y N 10. Push bumpers: two (2) 4-inch X 8-inch X .250-inch X 24-inch mounted vertically and attached directly to the sub-frames. The push bumper shall extend approximately 5-inch behind the rear of the trailer. Bumpers shall be adequately welded and braced to withstand pushing from landfill equipment.
- Y N 11. Tow hooks: two (2) tow hooks, 1.25-inch C1018 round material, extending behind the back of the bumper assembly approximately 6-inch. Tow hooks to have a 3 1/2-inch opening between the legs. Tow hooks to be welded directly to the main sub-frames sufficiently to withstand towing from the rear by landfill equipment.

BRAKES

- Y N 1. Air operated: 16-1/2-inch X 7-inch S-cam type on both axles. Quick-Change brake shoes with non-asbestos lining. Automatic slack adjusters. Must comply with FMVSS 121.

TIRES AND WHEELS

- Y N 1. Tires: Nine (9) Yokohama 11R x 22.5 Load Range H 16-ply or equal. This includes one mounted spare per line #4 below.
- Y N 2. Hubs: steel light weight, 10-bolt unimount with short studs, Cast iron outboard mount drums.
- Y N 3. Wheels: 8.25 x 22.5 BSN unimount steel. Severe service refuse application
- Y N 4. Spare/supply one (1) extra tire and wheel mounted. Shipped loose in trailer.
- Y N 5. Mud flaps must be installed behind rear tires on trailers. No company logos on mud flaps.

REAR DOOR

- Y N 1. .125 aluminum single swing rear door. 4-inch X 4-inch X .250 aluminum frame with .125 aluminum sheets. Three (3) vertical aluminum posts huck bolted to the rear door. Two (2) inside horizontal braces. Single swing with curbside hinges, five (5) sets of hinges, hinge straps to be 3/4-inch X 4-inch material. Each hinge set to have a 1-inch X 11.25-inch stainless steel hinge pin. Hinge assemblies to be greaseable. Three (3) heavy-duty door locks with door latch pins that do not stick out from the side of the trailer when the door is open. Door locks to be operated by a lever located at the side of the trailer. Door locks to have grease fittings. Door to swing 270-degrees and lay flat against the trailer side when opened. 5/16-inch H.D. retainer chain to hold the rear door open and to be used as a safety retainer when the door is closed. Rubber contact bumpers between door and trailer body. Tail lights installed in door.

LIGHTS AND REFLECTORS

- Y N 1. I.C.C. approved, rubber mounted, 12-volt. Stop, turn, marker, and tail lights. All rear lights to be installed in rear door. No mechanical splices to be used on complete wiring harness. All splices to be soldered and have heat shrink sealing them. All light connections must be sealed and di-electric grease used. Mid-trailer side turn indicators also installed. All area where wire harness passes through holes, the hole must be grommeted and where wire harness is in contact with sharp edges, the harness must have anti-chafe wrap around it. All of the wire harness must be clamped up and secured. All lights must be LED.
- Y N 2. Reflectors and reflective tape: All reflectors and reflective striping to be in compliance with FMVSS 108.

PAINTING

- Y N 1. Surface preparation: All steel surface to be painted shall be cleaned of all mill scale, rust, spatter slag, or flux deposits, oil, grease, dirt, or other foreign matter. All steel surfaces must be sandblasted prior to painting. All steel areas to be painted prior to installing the aluminum side sheets and posts.
- Y N 2. Paint application: The paint shall be applied in dry, dust-free conditions and in temperatures above 65-degrees Fahrenheit. All edges, corners crevices, and joints shall receive special attention for thorough cleaning and adequate paint thickness.
- Y N 3. Prime coat: All metal surfaces, interior and exterior, shall be clean and dry. Metal surfaces shall have one (1) coat of epoxy primer applied to obtain a minimum thickness of 1-mil. per coat.
- Y N 4. Under structure: Cross members and sub-deck tubing primed before the flooring is installed.
- Y N 5. Finish coat: All steel surfaces of the trailer shall have two (2) coats of polyurethane enamel, Aluminum Metallic, applied in accordance with the manufacturer's recommendations and shall have a minimum dry film thickness of 1-mil. per coat. Aluminum sheets will be left natural.

HYDRAULIC ACTUATED FLIP TOP COVERS

- Y N 1. Hydraulic opener shall have an assembly installed as a separate unit of the trailer. (No chains, sprockets, gear boxes, or cables.) Two (2) hydraulic cylinders mounted horizontally on a separate frame. The frame is to be bolted to the trailer (not welded). Each cylinder rod connected to a pivot arm. On the end of the arm, a shaft and roller that travels in a track fastened to the covers. All pivot points shall have grease zerks. The cover will open 270-degrees to lay against the outside trailer sides. There shall be contact bumpers, three per side, mounted on the trailer sides. Operation of the covers shall not open any faster than 16-seconds.
- Y N 2. Spool valve: The valve for the opener shall be a dual (2) spool valve capable of operating the flip top covers with primary flow control. The flip top opener and the unloading system shall have the ability to operate simultaneously without assistance from any other valves. The valving shall be located on the front driver's side corner. The hydraulic hoses for the opener shall be ¼-inch double braided wire with tube clamps securing them to the trailer. The opener and the covers shall be painted prior to installing the mesh and mounting to the trailer.
- Y N 3. Frame is to be made in four sections (front right, front left, rear right, rear left) and joined together at the center of the trailer to obtain two halves. Outer pivot frame that supports the frame will be 2-inch schedule 80 pipe, with a 50-inch diagonal tube brace in each corner of each section. There shall be 2 outright supports per section to help support the mesh and a 3/16-inch coated cable tying each section together and supporting the mesh.
- Y N 4. There shall be ten (10) hinges per side. Each hinge assembly shall consist of a split collar bolted together and equipped with a grease fitting.

- Y N 5. Cover material: Protex material #HN1260L-80 60-inch wide mesh with a minimum overlap in the center of the trailer on each side of 10-inch. The mesh shall be fastened to the framework every 6-inch to 8-inch with cable ties.
- Y N 6. Bidder to furnish Technical information on the hydraulic flip top opener and covers, literature, and engineering drawings. The system must be proven and accepted for operating in the Solid Waste Industry. Bidder to submit references of three (3) users of this type of system. A parts and service manual for hydraulic flip top must be delivered with this order.
- Y N 7. Bidder to supply extra replacement mesh for each trailer, and 250 -3/16-inch X 15.5-inch heavy-duty cable ties.

WALKING FLOOR

- Y N 1. (Keith hydraulic operated, two-way system, center frame drive, Keith Running Floor II, DX II with no hydraulic hoses. Available from Keith Manufacturing Co., PO Box 1, Madras, OR. 97741, phone #800/547-6161) or approved equal.
- Y N 2. The walking floor unloader is to have (24) #2301 CWS actuated aluminum floor extrusions. Each must have a slot to accommodate #A1212 floor seal. (Keith Mfg. or equal).
- Y N 3. Each floor extrusion must be secured to the drive mechanism with six (6) min. 5/16-inch X 1-inch grade 8 allen head, counter sunk bolts, and self-locking nuts. Bolt plates to be welded to the floor slat.
- Y N 4. The hydraulic cylinder shafts must be attached to the frame with eight (8) 5/8-inch bolts, and will remain stationary. The 2-inch X 6-inch cross drives are to be clamped directly to the hydraulic cylinder and must be removable, independently, for service.
- Y N 5. The floor extrusions must be supported at each cross member by 24 high density plastic bearings. Each of these must have 15.45 (minimum) square inches of bearing surface. 10.42-square inches on top between floor extrusion and bearing mount. 5.03-square inches at each side of lower portion, providing bearing surface between the lower foot of the front extrusion and the cross member shall be 2.0 (min) inches in length.
- Y N 6. Each of the 24 moving floor extrusions with 1-inch X 1-inch stock bar at rear of the trailer. Splash bearing over wheels.
- Y N 7. Hydraulic system shall be powered by PTO driven hydraulic pump, mounted on the tractor transmission. Pump rating to be 45-GPM at 1500-RPM at 3,000-psi. Hydraulic components shall meet requirements of manufacturer of walking floor. Hydraulic wet kit not included in the bid.
- Y N 8. Hydraulic Couplers: Aeroquip Model, Pressure- 5602-16-16S; Return- 5601-16-16S. Coupler to be mounted in the center of the bulkhead approximately 24-inch above the 5th wheel plate. Couplers to be mounted to removable plate bolted to the bulkhead. Lines to be labeled "Pressure" and "Return". 0-5000-psi liquid filled gauge installed in the pressure line directly behind the quick coupler.
- Y N 9. A decal must be installed on driver's side front corner of trailer showing height of trailer in 4-inche tall numbers and able to read it legibly from driver's side mirror. Example:

TECHNICAL DRAWINGS

- Y N 1. Selected bidder shall submit drawings displaying the trailer body construction and design, including side, front, rear, and top views. All views shall show general dimensions. Drawings shall also be submitted for the Hydraulic Flip Top Cover System.

MISCELLANEOUS

Y N 1. One (1) parts and one (1) service, and one (1) overhaul manual that are the correct year and model of trailers being bid and no sections missing.

Y N 2. All parts to build trailer must be standard production.

Y N 3. Name and location of nearest dealer authorized to supply parts, service, and warranty claims:

NAME: _____

ADDRESS: _____

CONTACT/PHONE #: _____

Y N 4. Trailer must have DOT Certification and DOT Sticker on it when delivered.

Y N 5. Maximum warranty on trailer. Attach a sample warranty that will be provided.

Y N 6. Title must be made out to the City of Cheyenne, Wyoming, 2101 O'Neil Ave., Cheyenne, WY 82001 and delivered with trailer to the City of Cheyenne Fleet Maintenance Shop, 2731 Old Happy Jack Road, Cheyenne, WY. 82001.