

CITY OF ASHTABULA
4717 MAIN AVENUE
ASHTABULA, OHIO 44004

REQUESTS FOR PROPOSALS
TWO (2) GARBAGE TRUCKS

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DATED: _____

Name, Address and Phone Number of Bidder:

(PLEASE DO NOT DETACH ANY PORTION OF THIS BID PACKAGE)

LEGAL NOTICE – REQUEST FOR PROPOSAL

City of Ashtabula

TWO (2) NEW GARBAGE TRUCKS

Proposals will be received by the City Manager of the City of Ashtabula, Ohio, at his office in the Ashtabula Municipal Building, at 4717 Main Avenue, Ashtabula, OH 44004 until 11:00 a.m. October 25, 2017, at which time and place said proposals will be opened for *Two (2) New Garbage Trucks*.

Bidders shall submit proposals in accordance with the specifications on file in the office of the City Manager, and proposal packages may be obtained from that office.

Proposals shall be captioned on the outside of the sealed envelope:

Two (2) New Garbage Trucks

The City reserves the right to reject any or all proposals, to waive any informalities or irregularities in the proposals received and to accept any proposal which is deemed most favorable to the City of Ashtabula.

The City of Ashtabula, Ohio
James Timonere
Ashtabula City Manager

Publish: October 9, 2017 and October 16, 2017

II. INSTRUCTIONS TO BIDDERS

1. Except as otherwise provided herein, the Instructions to Bidders, Proposal Form, and all Specifications, drawings and other documents referred to herein shall be a part of the contract.

2. DEFINITIONS

- A. The term "Bidder" or "Contractor" shall mean the corporation, partnership, or individual proposing or under contract to furnish the service, material, labor and/or equipment listed in the specifications.
- B. The term "City" shall mean the City of Ashtabula.
- C. "Calendar day" shall mean every day shown on the calendar.
- D. "City Manager" shall mean the Ashtabula City Manager or his duly authorized representative.

3. PROPOSAL

To be entitled to consideration, a proposal must be made in accordance with the following instructions:

A. Preparation: Each proposal shall be submitted on the forms furnished by the City. All signatures shall be clearly and legibly written in long hand. No oral, telegraphic or telephonic proposal or modifications will be considered. Each proposal shall show the break down for each item as directed on the Proposal-Contract Form. All bids shall be considered informal which contains items not specified in the Proposal-Contract Form.

Prices of material and equipment shall include hauling and delivery to any place designated on the City's purchase order, within the corporate limits of the City. In the event of a discrepancy between unit bid prices and extensions thereof, the unit bid price shall govern.

B. Names of Bidders: Each bid shall give the full business address of the Bidder and be signed by him with his usual signature. Bids by partnerships shall furnish the full names of all partners and shall be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing.

Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and title of the President, Secretary, or other person authorized to bind it in the matter. The name of each person signing shall also be typed or printed below the signature. A bid by a person who affixes to his signature the word "President", "Secretary", "Agent", or other title without disclosing his principal, may be held to the bid of the person unless he provides evidence of the authority that he is signing in behalf of a corporation or partnership.

C. Delivery: The bid shall be sealed in an envelope, addressed to:

City of Ashtabula
4717 Main Avenue
Ashtabula, Ohio 44004

and delivered to the office of the City Manager on the date set forth in the legal advertisement. The sealed envelope shall also bear the name of the Bidder, the general item or items bid on, and the date the bids are to be opened. Proposals will be received until the date and time specified in the legal

advertisement. Bids will be opened and read immediately thereafter, in the Manager's Office, Second Floor, Municipal Building.

- D. **Bid to Include All Work:** Each bid shall include all work described in the Instructions to Bidders, Specifications, Proposal Form and any or all drawings, maps, charts or graphs.
- E. **Withdrawal of Proposal:** Permission will not be given to withdraw or modify any proposal after it has been deposited as provided above. Negligence on the part of a Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.
- F. **Acceptance or Rejection of Proposal:** The City reserves the right to accept any part of any bid and reject all or parts of any and all bids, and waive any informality in bidding at any time within sixty (60) days after the same are opened as provided above. The City reserves the right to reject any or all bids. In determining the award, each item, if so specified, may be considered and awarded separately.
- G. **Forfeiture of Check or Proposal Bond:** If the Bidder to whom the contract is awarded shall fail to honor the contract, or fail to sign any documents necessary to formalize the contract, The deposit accompanying the proposal shall be forfeited to the City as liquidated damages. The work may then be re-advertised or awarded to another Bidder selected by the City.
- H. **Specifications:** Specifications and Proposal forms are minimum, and will be used as a basis for comparison of the bids only.
- I. **Informal Proposals:** Proposals will be considered informal and may be rejected for the following reasons:
 - 1. If the proposal is on a form other than that furnished by the City or if the form is altered or any part thereof detached; and
 - 2. If there are unauthorized additions, conditional or alternate bids, or other irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning; and
 - 3. If the Bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award. (This does not exclude a bid limiting the maximum gross amount of awards acceptable to any one Bidder at any one bid letting provided that any selection of award will be made by the City.); and
 - 4. If the proposal does not contain a unit price for each item.

4. **BIDDERS**

- A. **Competency of Bidders:** No bid will be considered unless the Bidder submitting the same shall furnish evidence satisfactory to the City Manager that he has the necessary equipment, ability and financial resources to fulfill the conditions of the contract and specifications. Previous experiences and responsibility of the Bidders will be considered in awarding the contract. No contract will be awarded to any Bidder who is in arrears to the City upon debt or contract, or who is in default as surety or otherwise upon any obligation to the City.
- B. **Disqualification of Bidders:** Any of the following reasons may be considered as being sufficient for the disqualification of a Bidder and the rejection of his proposal or proposals:

1. More than one proposal for the same work from an individual, firm, or corporation under the same or different name.
2. Evidence of collusion among Bidders. Participants in such collusion will receive no recognition as Bidders for any further work of the City until any such participant shall have been reinstated as qualified Bidder.
3. Bid prices which obviously are unreasonable.

5. WRITTEN AND ORAL EXPLANATIONS

Should a Bidder find discrepancies in, or omissions from, the drawings or specifications, or should he be in doubt as to their meaning, he shall at once notify the City, which may send written instructions to all Bidders. The City will not be responsible for any oral instructions.

6. ADDENDUM OR MODIFICATION

Any addendum or modification issued during the time of bidding shall be covered in the proposal and in closing a contract such addendum or modification will become part thereof. In the event any such addendum or modification is issued by the City within 72 hours of the time set forth the closing of bids, excluding Saturdays, Sundays, and legal holidays, the time for submitting bids shall be extended one week, with no further advertising of bids.

7. TAX EXEMPTIONS

The City is exempt from federal excise and transportation taxes and Ohio State sales tax. Prices quoted should not include either federal excise or Ohio State sales tax. Tax exemption certificates covering these taxes will be furnished whenever necessary.

The transportation tax is not applicable on any purchase consigned to the City and no tax exemption certification is required. If, for any reason, a contemplated purchase would not be tax exempt, this fact will be indicated in the specifications, and such taxes may be included in the price or shown as a separate item in the proposal.

8. DISCRIMINATION

In the hiring of employees for the performance of work under this contract or any subcontract, neither the Contractor, Subcontractor, nor any person acting in their behalf shall by reason of race, creed, color, age, sex or handicap, discriminate against any citizen of the State in the employment of any laborer or worker who is qualified and available to perform the work to which the employment relates. Neither the Contractor, Subcontractor, nor any person acting in their behalf shall in any manner discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, creed, color, age, sex, or handicap.

9. INSURANCE

If the specifications indicate insurance is required, then the contractor shall obtain and pay for liability insurance in limits specified thereof to protect the contractor and City against any claims arising out of any operations conducted in connection with this contract. The policy shall carry a rider giving a one-month cancellation notice to the City. This policy shall include contractual liability insurance as applicable to the Contractor's obligations and shall name the City as an insured.

10. LIABILITY

The Bidder shall defend, indemnify, and save harmless the City and its officers and agents from all claims, demands, payments, suits, actions, recoveries and judgments of every description, whether or not well founded in law, brought or recovered against it, by reason of any act or omission of said Bidder, his agents, subcontractors, or employees, in the execution of the contract, or for the use of any patented inventions by said Bidder, and a sum sufficient to cover aforesaid claims may be retained by the City from monies due or to become due to the Bidder under contract, until such claims shall have been discharged.

11. ROYALTIES AND LICENSE FEES

The Bidder shall pay all royalties and license fees. The Bidder herein agrees to assume and save the City, its officers and agents harmless from liability of any kind or nature whatsoever, arising out of the use by the City, its officers and agents of any appliance, apparatus or mechanism, which may be furnished or installed by the Bidder under the terms of this contract including patent or copyright infringement and to defend the City from any and all such liabilities whether or not such claims are well founded in law.

12. ASSIGNMENT OF CONTRACT

The Bidder who is awarded a contract shall not assign, transfer, convey, sublet or otherwise dispose of said contract, or his right, title or interest in or to the same, or any part thereof, without previous consent in writing from the City Manager, endorsed on or attached to the contract.

13. CANCELLATION

Should the materials supplied or delivered to the City under this contract fail, at any time, to meet the specifications required by the contract, then in such event, the City may cancel this contract upon written notice to the Bidder.

14. CONTROL OF WORK

The City Manager, or his designated agent, will decide:

- All questions which may arise as to the quality and acceptability of materials furnished, services rendered and work performed and as to the rate of progress of any such work;
- All questions which may arise as to the interpretation of the plans or specifications; and
- All questions as to the acceptable fulfillment of the contract on the part of the Contractor and as to compensation.

15. CLAIMS FOR ADJUSTMENT AND DISPUTES

If, in any case, the Contractor deems that additional compensation is due him for work or material not clearly covered in the contract or on ordered by the City Manager as extra work, as defined herein, the Contractor shall notify the City Manager in writing of his intention to make claim for such additional compensation before he begins the work on which he bases the claim. If such notification is not given and the City Manager is not afforded proper facilities by the Contractor for keeping strict account of actual costs as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor, and the fact that the City Manager has kept account of the cost aforesaid,

shall not in any way be construed as providing or substantiating the validity of the claim. If the claim, after consideration by the City Manager is found to be just, it would be paid as extra work in the amount as approved by the City Manager.

16. DURATION OF CONTRACT

The duration of the contract shall be for the period stated in the specifications, and shall include all material, equipment, and/or services ordered or delivered during the period. All prices quoted shall be for a definite fixed price unless otherwise noted in the specifications.

17. PURCHASES

After a contract has been signed, it shall only become operative upon delivery of a duly signed purchase order to the Bidder. The City shall only be obligated under the contract to the extent of such order. The City shall not be liable for any claims in the event that the total quantity of material ordered under the contract should prove to be greater or less than the estimated amount in the specifications.

18. DELIVERY (where applicable)

The Bidder agrees to make deliveries of supplies and materials within a reasonable period from the time purchase orders are received. Reasonable time is estimated to be thirty (30) to forty-five (45) days. If deliveries are not made within such period, then the City may purchase such items in the open market; and if the price paid by the City shall be greater than the contract price, the bidder agrees to reimburse the City for any loss or losses that the City may thereby sustain. Delivery time for vehicles and equipment may be extended beyond thirty (30) to forty-five (45) days, provided the Bidder has noted the delivery time in the appropriate space on the Proposal Form.

19. PAYMENT OF INVOICES

Invoices will be due and payable within thirty (30) days of receipt of the invoice by the City. All invoices should be mailed to the attention of the City Manager. Payments, as provided in the specifications, may be made on a basis of estimated partial completion of work or delivery.

20. CONTRACT BOND (where applicable)

The successful Bidder will be required to furnish the approved bond for the faithful performance of the contract in the amount of one hundred percent (100%) of the contract price. Such bond shall be that of an approved surety company or personal bond upon which the sureties are persons not interested in the contract, or if interested, collateral security shall be furnished, all of which is to be to the satisfaction of the City Manager. In lieu of a performance bond, the City may elect to hold the Bid Deposit Check, submitted with the bid proposal, until the contract has been fulfilled. Any deviation from the required one hundred percent (100%) figure will be noted in the specifications.

21. GENERAL (where applicable)

Contractors shall furnish all labor, equipment, materials, services and supplies necessary to complete the proposed work. All work shall be performed according to all standards of good workmanship complete in every detail. Contractors shall coordinate their work with the work of others and upon completion, remove tools, equipment, waste and debris and leave the site in broom-clean condition. Contractors shall warrant all materials and equipment with the normal and usual warranties, including, where applicable, warranties of merchantability and fitness for a particular purpose.

**SPECIFICATIONS
FOR
TWO (2) NEW GARBAGE TRUCKS**

Check all line items under the columns marked – “Comply or Alternate.” Alternates to the following specifications must be explained in detail. Alternates must be detailed on a separate page and referenced to the appropriate section number. Failure to furnish this information may be cause for rejection of the proposal.				
1.0	VEHICLE CONFIGURATION		Comply	Alternate
	1.1	CONVENTIONAL CAB CHASSIS		
	1.2.	SET BACK FRONT AXLE		
	1.3	LEFT HAND DRIVE CONFIGURATION		
2.0	TRUCK SERVICE			
	2.1	AUTOMATED REFUSE BODY		
3.0	ENGINE			
	3.1	CUMMINS L-9 350 HP @2200 RPM, 1000 LB/FT @ 1400 RPM		
	3.2	2010 EPA/CARB EMISSION CERTIFICATION		
4.0	ENGINE EQUIPMENT			
	4.1	ENGINE AFTERTREATMENT DEVICE		
	4.2	12V 200 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR		
	4.3	(3) MODEL 1031, GROUP 31, 12 VOLT MAINTENANCE FREE 2280 CCA THREADED STUD BATTERIES		
	4.4	BATTERY BOX FRAME MTD BACK OF CAB		
	4.5	BATTERY SHUT-OFF SWITCH AT BATTERY BOX		
	4.6	18.7 CFM AIR COMPRESSOR W/ INTERNAL SAFETY VALVE		
	4.7	ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM		
	4.8	EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO		
	4.9	RH OUTBOARD UNDER STEP MTD. HORIZONTAL AFTERTREATMENT DEVICE WITH RH CAB MTD. VERTICAL TAILPIPE		
	4.10	RH CURVED VERTICAL TAILPIPE WITH STAINLESS STEEL STACK		
	4.11	SS AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
	4.12	AUTO. FAN CONTROL W/DASH SWITCH AND INDICATOR LIGHT		
	4.13	SPIN ON FUEL FILTER		
	4.14	FULL FLOW/BYPASS OIL FILTER		
	4.15	FLEETGUARD PLAIN COOLANT FILTER		
	4.16	1000 SQUARE INCH RADIATOR		
	4.17	ANTIFREEZE TO -34F, EXTENDED LIFE COOLANT		
	4.18	GATES BLUE STRIPE COOLANT HOSES OR EQUAL		
	4.19	1310 ADAPTER FLANGE FOR FRONT PTO PROVISION		
	4.20	1000 WATT/115 VOLT BLOCK HEATER		

	4.21	ELECTRIC GRID AIR INTAKE WARMER		
	4.22	12 VOLT 39MT HD/OCP STARTER W/THERMAL PROTECTION AND INT. MAGNETIC SWITCH		
5.0	TRANSMISSION			
	5.1	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION		
	5.2	WTEC CALIBRATION—6 SPEED RDS-PACKAGE 142		
	5.3	TRANSMISSION PROGNOSTICS-ENABLED		
	5.4	WARER TO OIL TRANS. COOLER—FRAME MTD.		
	5.5	VEHICLE INTERFACE WIRING AND PDM WITH BODY BUILDER CONNECTOR AT EOF		
	5.6	ELECTRONIC TRANS. CUSTOMER ACCESS CONNECTOR FIREWALL MTD.		
	5.7	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
6.0	FRONT AXLE AND EQUIPMENT			
	6.1	16,000 LB. DETROIT FRONT AXLE		
	6.2	SYNTHETIC 75W-90 AXLE LUBE		
	6.3	TRW TAS-85 POWER STEERING		
	6.4	HALDEX AUTO FRONT SLACK ADJUSTERS		
	6.5	CR SCOTSEAL PLUS XL FRONT OIL SEALS		
7.0	FRONT SUSPENSION			
	7.1	16,000 LB TAPERLEAF FRONT SUSPENSION		
	7.2	GRAPHITE BRONZE BUSHINGS WITH SEALS		
	7.3	FRONT SHOCK ABSORBERS		
8.0	REAR AXLE AND EQUIPMENT			
	8.1	46,000 LB TANDEM REAR AXLE		
	8.2	EXTENDED LUBE MAIN AND INTERAXLE DRIVELINES		
	8.3	DRIVER CONTROLLED TRACTION DIFFERENTIAL—BOTH TANDEM AXLES		
	8.4	BUZZER & BLINKING LAMP WITH EACH MODE SWITCH, DIFF UNLOCK WITH IGNITION OFF		
	8.5	16.5X7 Q+ CAST SPIDER CAM REAR BRAKES		
	8.6	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
	8.7	HALDEX AUTO SLACK ADJUSTERS		
	8.8	SYNTHETIC 75W-90 REAR AXLE LUBE		
9.0	REAR SUSPENSION			
	9.1	46,000 LB 2-STAGE REAR SPRING SUSPENSION-TUFTRAC		
	9.2	REAR SHOCK ABSORBERS—TWO AXLES		
10.00	BRAKE SYSTEM			
	10.1	AIR BRAKE SYSTEM—WABCO 4S/4M ABS WITHOUT TRACTION CONTROL OR EQUAL		
	10.2	MERITOR WABCO SYSTEM SAVER 1200 HEATED AIR DRYER WITH PRESSURE CONTROL VALVE		
	10.3	UPGRADED CHASSIS MULTIPLEXING UNIT		
	10.4	FIBER BRAID PARKING BRAKE HOSE		
11.0	WHEEL BASE AND FRAME			
	11.1	WHEELBASE AS REQUIRED BY BODY MANUFACTURER		

	11.2	7/16X3-9/16X11-1/8 INCH STEEL FRAME		
	11.3	¼ INCH C-CHANNEL INNER FRAME REINFORCEMENT		
	11.4	FRAME SECTION MODULUS—31.00 MIN. PER RAIL (CU.IN)		
	11.5	FRAME RBM—3,715,000 MINIMUM PER RAIL		
	11.6	YIELD STRENGTH (PSI) 120,000		
	11.7	24 INCH INTEGRAL FRONT FRAME EXTENSION WITH 0.25 INCH INSERT		
12.0	CHASSIS EQUIPMENT			
	12.1	THREE PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS		
	12.2	FRONT TOW HOOKS-FRAME MOUNTED		
	12.3	HUCK SPIN ROUND COLLAR CHASSIS FASTENERS		
13.0	FUEL TANKS			
	13.1	80 GALLON ALUMINUM FUEL TANK		
	13.2	ALLIANCE FUEL FILTER/WATER SEPERATOR WITH HEATED BOWL AND PRIMER PUMP		
	13.3	FUEL COOLER		
14.0	TIRES, HUBS AND WHEELS			
	14.1	FRONT GOODYEAR G287 MSA 315/80R22.5 20P RADIAL OR EQUAL		
	14.2	MICHELIN G338 11R22.5 14P RADIAL OR EQUAL		
	14.3	PRE-SET BEARING IRON FRONT & RR HUBS		
	14.4	22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS		
	14.5	22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		
15.0	CAB EXTERIOR			
	15.1	ALUMINUM CONVENTIONAL CAB		
	15.2	NONREMOVABLE BUGSCREEN MTD BEHIND GRILLE		
	15.3	2-1/2 INCH FENDER EXTENSIONS		
	15.4	LH & RH GRAB HANDLES		
	15.5	STATIONARY BRIGHT FINISH GRILLE		
	15.6	FIBERGLASS HOOD		
	15.7	HOOD LINER INSULATION W/SINGLE FIREWALL INSULATION		
	15.8	SINGLE 14 INCH ROUND POLISHED AIR HORN-ROOF MTD.		
	15.9	LED AERODYNAMIC MARKER LIGHTS		
	15.10	DAYTIME RUNNING LIGHTS		
	15.11	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH & RH REMOTE		
	15.12	LH & RH 8" BRIGHT FINISH CONVEX MIRRORS MTD. UNDER PRIMARY MIRRORS		
	15.13	RH & LH 8 INCH S/S FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS		
	15.14	COMPOSITE EXTERIOR SUN VISOR		
	15.15	TINTED DOOR GLASS LH & RH W/TINTED OPERATING WINDOWS		
	15.16	RH & LH ELECTRIC POWERED WINDOWS		

	15.17	TINTED WINDSHIELD		
16.0	CAB INTERIOR			
	16.1	GRAY OR BLACK VINYL INTERIOR		
	16.2	MOLDED PLASTIC DOORS WITH ALUMINUM KICKPLATE- BOTH DOORS		
	16.3	5 LB. FIRE EXTINGUISHER & TRIANGULAR REFLECTORS		
	16.4	AIR CONDITIONED CAB		
	16.5	STANDARD PLUMBING W/SHUTOFF VALVES		
	16.6	EXTREME CLIMATE THERMAL CAB INSULATION		
	16.7	DOME DOOR ACTIVATED LH & RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
	16.8	LH & RH ELECTRIC DOOR LOCKS		
	16.9	(1) 12 VOLT POWER SUPPLY IN DASH		
	16.10	DUAL SIT STEERING POSITIONS IN CAB WITH DUAL OPERATING GAUGES		
	16.11	BOSTROM TALLEDEGA 910 HIGH BACK AIR SUSPENSION DRIVER . 2 MAN PASSENGER.		
	16.12	ADJUSTABLE STEERING COLUMN		
17.0	INSTRUMENTS AND CONTROLS			
	17.1	STANDARD GAUGES—BOTH STEERING POSITIONS		
	17.2	ENGINE COMPARTMENT MTD AIR RESTRICTION INDICATOR W/GRADUATIONS-WARNING LITE-DASH MTD		
	17.3	97 DB BACKUP ALARM		
	17.4	ODOMETER/TRIP/HOUR/DIAGNOSTIC DISPLAY-1X7 CHARACTER, 26 WARNING LAMPS, DATA LINKED, ICU3		
	17.5	DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1587/1708/1939, LOCATED BELOW DASH		
	17.6	ENGINE REMOTE INTERFACE W/PRESET FAST IDLE		
	17.7	ENGINE REMOTE INTERFACE CONNECTOR IN ENG. COMP		
	17.8	ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS		
	17.9	ENGINE COOLANT TEMP. GAUGE		
	17.10	2 INCH TRANSMISSION OIL TEMP. GAUGE		
	17.11	ENGINE OIL PRESSURE GAUGE		
	17.12	AM/FM/WB RADIO WITH CD PLAYER		
	17.13	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
	17.14	MULTI-BAND AM/FM/WB/CB LH MIRROR MTD ANTENNA SYSTEM		
	17.15	ELECTRONIC 3000 RPM TACHOMETER		
	17.16	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER-WIPER,AND HAZARD IN HANDLE		
	17.17	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
18.0	PAINT			
	18.1	CAB-ONE SOLID COLOR---BASE COAT/CLEAR COAT- L0006EB WHITE		
	18.2	WHITE WHEELS AND RIMS		
	18.3	CHASSIS TO BE BLACK—BUMPERTO BE —FP24812 SILVER		

		DUPONT FLEX		
19.0	WARRANTY			
	19.1	BASIC VEHICLE—2 YEARS/UNLIMITED—BIDDER TO ATTACH BASIC VEHICLE WARRANTY DOCUMENT TO BID		
	19.2	TOW/ROADSIDE ASSISTANCE WARRANTY—2 YEARS/UNLIMITED MILEAGE		
20.0	MANUALS			
	20.1	VIN SPECIFIC PARTS MANUAL AND SERVICE MANUAL		
	20.2	OPERATORS MANUAL		

SPECIFICATIONS FOR 25 CUBIC YARD HIGH COMPACTION COMMERCIAL REAR LOADING BODY MOUNTED ON CAB/OVER CAB AND CHASSIS.

The bidder shall represent by his bid that all equipment bid is new and unused.

Mark an (X) on compliance line if specifications are met. Mark an (X) on exception line if specifications are not met.

Use separate page to explain all exceptions.

Comply Exception

1. BODY SPECIFICATIONS

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Refuse body to be a minimum 25 cubic yards capacity, exclusive of the hopper & be of commercial strength. |
| _____ | _____ | 2. Packer body shall be capable of packing a minimum of 1,000 pounds per cubic yard, based on average household refuse. |
| _____ | _____ | 3. Packer body must meet all applicable ANSI Z-245.1 Safety Standards. |

Comply Exception

2. BODY CONSTRUCTION

- | | | |
|-------|-------|---|
| _____ | _____ | 1. The roof and side sheets are to be one piece, 10ga 80,000-PSI Minimum yield strength steel throughout with no seams. |
| _____ | _____ | 2. Roof and sides are to be joined together by a one-piece formed corner; 1/4" 50,000 PSI minimum yield strength steel. |
| _____ | _____ | 3. Body sides and roof must be curved design. |
| _____ | _____ | 4. Body must incorporate a longitudinal center floor-trough running the entire body length. The floor trough is to be constructed of a minimum 5/16", 50,000-PSI yield strength steel. Flat floors not utilizing a floor-trough will not be considered. |

- | | | |
|-------|-------|---|
| <hr/> | <hr/> | 5. The floor sheets shall have a thickness of 1/4" and be made of HARDOX 450-175,000 PSI, yield strength steel. The floor sheets are to have a formed flange, minimum 5-11/16" tall, that ties into side sheet. |
| <hr/> | <hr/> | 6. The floor support braces to be constructed of 1/2" x 6" steel bar 36,000 PSI yield strength, and must run from the center floor trough outward. |
| <hr/> | <hr/> | 7. Steel, side hinged, access door located at the left front corner of the body, at floor level, is to be provided. Opening is to be a min. 30" X 32.5". Door to incorporate latch and locking mechanisms. |

Comply Exception

3. BODY DIMENSIONS

- | | | |
|-------|-------|---|
| <hr/> | <hr/> | 1. The inside height from bottom of floor-trough to center of roof sheet is to be no less than 90-7/8". |
| <hr/> | <hr/> | 2. The overall height of body above the chassis frame is not to exceed 93-1/2" (no mounting sills) |
| <hr/> | <hr/> | 3. The maximum inside width is to be no less than 90". |
| <hr/> | <hr/> | 4. The outside width is to be no more than 96". |

Comply Exception

4. EJECTION SYSTEM

- | | | |
|-------|-------|---|
| <hr/> | <hr/> | 1. Unloading by full ejection method only. Dumping or rising of the body is not acceptable. Control lever for ejection is to be located at the front, left side of the body. |
| <hr/> | <hr/> | 2. The ejection cylinder shall be telescopic consisting of multiple stages. A variable (adjustable) externally piloted resistance valve, which controls packing density and cylinder retraction, must be incorporated in the ejector panel/tailgate lift, two spool valve assemblies. No portion of the ejection forces shall be directed toward the body floor (downward). |
| <hr/> | <hr/> | 3. The telescopic ejection system hydraulic cylinder must angle upward from its front mounting location to avoid forces being directed into the floor. Telescopic ejection cylinders mounted downward or horizontally are not acceptable. The case end of the cylinder must be attached to the ejection panel with full style bearing housings for easy removal and be secured approximately half way up the panel to counter the tipping forces applied to the ejection panel by the tailgate packing mechanism. |

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| _____ | _____ | 4. The ejector panel face sheet is to be minimum 3/16" thick, 50,000-PSI steel. The panel must withstand the packing mechanism forces and the ejection of highly compacted refuse. |
| _____ | _____ | 5. The ejector panel is to travel the full length of the body and be equal in area to the cross section area of the body. |
| _____ | _____ | 6. The ejector panel must be designed to act as a bulkhead against which refuse is compressed and incorporate a "diamond-shaped deflector structure" which enhances compaction by directing material entering from the packing mechanism toward the upper corners of the body. |
| _____ | _____ | 7. The ejector panel shall travel on four 10-1/2" long poly shoes on the lower panel guide and four 9-7/8" long poly shoes on the upper panel guide. These guide shoes must be replaceable without removing the ejection panel from body. |
| _____ | _____ | 8. At no time may any portion of the ejector panel, when in its rear most position, extend beyond the plane of the rear body opening. |

<u>Comply</u>	<u>Exception</u>
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5. COMMERCIAL TAILGATE

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|-------|-------|---|
| _____ | _____ | 1. The tailgate is to be top hinged to the body at the roofline utilizing cast steel hinges. It is to be raised for load ejection by two, 4" bore, single acting "RAM style" cylinders mounted on the outside of the tailgate. Cylinders shall contain a restricting mechanism to prevent rapid descent of the tailgate and be manufactured with chrome-plated rods for added durability. |
| _____ | _____ | 2. The tailgate is to be held in the closed position by two double lead thread screw clamps, one on each side of the tailgate. Clamps are to be equipped with a fast spin handle. |
| _____ | _____ | 3. Two tailgate props (one each side) externally mounted shall be furnished. Tailgate to be open a minimum of 24", when in the propped position. |
| _____ | _____ | 4. An extruded rubber gasket is to be affixed to the tailgate to provide a watertight seal between the body and tailgate. Sealing must be effective up to a minimum height of 49". |

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| _____ | _____ | 5. Bolt-on riding steps are to be provided on each side of the tail gate, and 1" min. diameter grab handles will be located in a convenient place for rider safety. The steps must be made of grip-strut open grate material and allow for a 3-1/4" vertical adjustment. Step must comply with ANSI standards. |
| _____ | _____ | 6. The tailgate shall be equipped with a "tailgate ajar" switch with an indicator light in the cab. The purpose of this light is to indicate to the driver that the tailgate is not completely closed. The "tailgate ajar" switch with light must comply with ANSI safety standards. |
| _____ | _____ | 7. Tailgate top sheets are to be two-piece poly (for ease of removal no tools required) and secured by quick release type fasteners. |
| _____ | _____ | 8. The tailgate-loading sill must be 5" below the chassis frame after mounting. |
| _____ | _____ | 9. Control lever for the tailgate lift is to be located at the front, left side of the body. |

<u>Comply</u>	<u>Exception</u>
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6. HOPPER

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| _____ | _____ | 1. Hopper floor to be HARDOX 450-175,000 PSI minimum yield strength steel. No other steel will be accepted. |
| _____ | _____ | 2. The hopper sides to be HARDOX 450-175,000 PSI minimum yield strength steel. No other steel will be accepted. |
| _____ | _____ | 3. Inside hopper width is to be a minimum of 80". |
| _____ | _____ | 4. The hopper opening is to be a minimum of 80" wide x 56" high. |
| _____ | _____ | 5. The hopper capacity is to be a minimum of 3.5 cubic yards. |
| _____ | _____ | 6. The total cycle time is not to exceed 24 seconds |

<u>Comply</u>	<u>Exception</u>
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7. PACKING MECHANISM

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|-------|-------|---|
| _____ | _____ | 1. The packer faceplate is to be a minimum of 1/4" 80,000 PSI yield strength steel. |
| _____ | _____ | 2. The carrier faceplate is to be a minimum of 3/16" 50,000 PSI yield Strength steel. |

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| _____ | _____ | 3. Minimum two (2) double acting, single stage, induction hardened, cushioned, 5.5" bore, packer plate cylinders |
| _____ | _____ | 4. Minimum two (2) double acting, single stage, induction hardened, cushioned, 5.5" bore, carrier plate cylinders |
| _____ | _____ | 5. The packer and carrier plate cylinders must be mounted inside the tailgate and all four cylinders must be interchangeable with each other. |
| _____ | _____ | 6. The packing plate is to compact material into the body against the ejector panel and not into the forward portion of the hopper itself. Pre-crushing of material in the hopper is not acceptable. |
| _____ | _____ | 7. The upper carrier plate is to utilize rollers vs. slides for easy movement. Rollers are to be 5" diameter made from forged 4150 steel induction hardened to 57-60 "Rockwell C" and have grease fittings accessible from external roller access openings. |
| _____ | _____ | 8. When the packing mechanism reaches the interrupt position, the packer plate must stop approximately 16" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle. The packing control handles must be able to stop or reverse the packing mechanism at any position in the cycle. |
| _____ | _____ | 9. The packing plate shall be protected from overload by an independent packer (load edge stress sensing) circuit relief valve located at the operating valve. |

Comply Exception

8. HYDRAULIC SYSTEM

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|-------|-------|---|
| _____ | _____ | 1. P-75 Commercial pump to be utilized from transmission, for Power Transfer. |
| _____ | _____ | 2. A factory sealed relief valve is to be set at a maximum of 2300 PSI |
| _____ | _____ | 3. There shall be an internally mounted 141-micron (100 mesh) suction strainer with built-in by-pass. |
| _____ | _____ | 4. A 10 micron return line filter, with a visual indicator to show when the filter is in a bypass mode, must be supplied. |

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| <hr/> | <hr/> | 16. At no time shall control handles be inaccessible due to chassis components or configurations. |
| <hr/> | <hr/> | 17. The packing mechanism-operating valve shall be a two-spool stack style hydraulic valve and incorporate self-contained pressure release detent end cap assemblies. |
| <hr/> | <hr/> | 18. For ease of access, the valve assembly is to be located at the right hand side of the tailgate. The hydraulic valve work ports must point upward for ease of service. Also, all hydraulic lines going to the main valve must be isolated by bulkhead style connections from all moving hydraulic lines. |

Comply Exception

9. CONTROLS

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| <hr/> | <hr/> | 1. The manually operated controls for the packing mechanism are to be located curbside at the rear of the tailgate. An automatic throttle advance must be provided. The dual lever controls must have the capability of stopping, starting, and reversing the packing mechanism. To avoid possible damage from rubbish, the dual lever control rods must be located outside the hopper. |
| <hr/> | <hr/> | 2. A push-button switch that activates a buzzer in the cab is to be provided on both sides of the tailgate to signal the driver. |
| <hr/> | <hr/> | 3. The tailgate lift and ejector controls, complete with a manually operated engine speed-up switch, are to be located at the left front corner of the body. |
| <hr/> | <hr/> | 4. PTO/pump controls are to be mounted inside the cab. |

Comply Exception

10. LIGHTING & ELECTRICAL

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| <hr/> | <hr/> | 1. Body lighting must comply with FMVSS#108 regulations. |
| <hr/> | <hr/> | 2. For maximum visibility, a light panel above the hopper must also be provided, consisting of two 4" red stop/tail lights, two 4" amber turn signal lights, three individual I.D. lights, and one license plate bracket with light. All lights to be grommet mounted except utility and license plate lights. |
| <hr/> | <hr/> | 3. LED lighting replaces standard red, amber and back-up. |
| <hr/> | <hr/> | 4. Mid-Side turn signals must be LED and are required. |
| <hr/> | <hr/> | 5. LED Wiring to be enclosed in a pre-assembled sealed harness to meet SAE spec, J22223-1-2-3. |

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| _____ | _____ | 6. All electrical junction locations are to be within the body structure and must be weatherproof. Meeting SAE spec. J2202. All junction locations are to be located so no overhead access is required. |
| _____ | _____ | 7. All wiring to be color-coded and labeled. |
| _____ | _____ | 8. 7" Amber strobe light w/guard, mounted at LH side, on top of tailgate. |
| _____ | _____ | 9. A back-up alarm conforming to current ANSI standards must be provided. The alarm must also sound when the tailgate is not closed. |
| _____ | _____ | 10. Two work lights to be located inside hopper. |

Comply Exception

11. PAINTING

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|-------|-------|--|
| _____ | _____ | 1. All metal burrs, weld residue and rough areas are to be ground off to a clean, smooth surface. |
| _____ | _____ | 2. All body surfaces to be thoroughly washed with an iron-phosphate-based steam cleaning solution. |
| _____ | _____ | 3. A coat of two-part epoxy, rust-inhibiting primer is to be applied to all metal surfaces. |
| _____ | _____ | 4. A high gloss two part polyurethane topcoat is to be applied. Color is to be N0006EA white Elite to match cab. |
| _____ | _____ | 5. Top finish coat is to be baked on. |

Comply Exception

12. MOUNTING

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| _____ | _____ | 1. Mounting is to be done only at the factory of the body manufacturer. |
| _____ | _____ | 2. Factory mounting to incorporate rear mounts, spring supported front mounts, with integral lateral restraints. |

Comply Exception

13. HEAVY DUTY PACKER PLATE

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| _____ | _____ | 1. Packer plate shall be designed for heavy-duty commercial use. |
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| <hr/> | <hr/> | 2. Packer face plate is to be HARDOX 450-175,000 PSI yield steel, with heavy duty reinforcing channels made from 3/16" thick steel. |
| <hr/> | <hr/> | 3. A formed channel 10" wide and 7-9/16" high shall run between the two packer panel cylinder towers. |
| <hr/> | <hr/> | 4. Two additional formed steel channels shall run from the 10" wide channel to the packer plate cutting edge. |

Comply Exception

14. REEVING CYLINDER & TWO TIPPERS

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|-------|-------|---|
| <hr/> | <hr/> | 1. Reeving cylinder with push bar, latch and ears, for commercial containers, to be installed. |
| <hr/> | <hr/> | 2. Maximum container size is 10 cu yd. |
| <hr/> | <hr/> | 3. The capacity of reeving cylinder is: 12,000 lbs. |
| <hr/> | <hr/> | 4. A set of container latches and ears for securing the container while being dumped into the hopper is installed to the sides of the tailgate. |
| <hr/> | <hr/> | 5. An adjustable container stop bar, top light guard and cable roller guide assembly is furnished. |
| <hr/> | <hr/> | 6. The single lever control is mounted to the rear curbside of the unit. |
| <hr/> | <hr/> | 7. City to un-install tippers from current fleet. Awarded Vendor to re-install on hoppers of New body hoppers. |

Comply Exception

15. MISCELLANOUS

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| <hr/> | <hr/> | 1. Ladder to side door with grab handles. |
| <hr/> | <hr/> | 2. Broom and shovel holder on both sides of tailgate. |
| <hr/> | <hr/> | 3. Largest riding steps allowed by ANSI standards, to be provided. |
| <hr/> | <hr/> | 4. Drive Away Kit containing Fire extinguisher and First Aid Kit located in cab. |
| <hr/> | <hr/> | 5. Color-Single 3rd Eye Camera on tailgate. 7.4" LCD Monitor in cab. |

Comply Exception

16. DELIVERY

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| <hr/> | <hr/> | 1. Delivery to be within 20 Days of City's Award. |
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**PROPOSAL FORM
FOR**

Total Bid \$ _____

(Firm Name)

(Address)

(City, State, Zip)

(Federal Identification or Social Security Number)

Signature

Date

Title

The City of Ashtabula reserves the right to reject any or all bids, to waive any informality in the bids received, and to accept any bid which is deemed most favorable to the City of Ashtabula.

**AFFIDAVIT OF CONTRACTOR OR SUPPLIER
OF NON-DELINQUENCY OF PERSONAL
PROPERTY TAXES.**

O.R.C. 5919.042

The undersigned being first duly sworn, having been awarded a contract by you for _____, hereby states that we are not charged at the time the bid was submitted with any delinquent property taxes on the general tax list of personal property of any county in which you as a taxing district have territory and that we were not charged with delinquent personal property tax on any such tax list.

In consideration of the award of the above contract, the above statement is incorporated in said contract as a covenant of the undersigned.

BIDDER

DATE

SWORN TO before me and subscribed in my presence this ____ day of _____, _____.

Notary Public