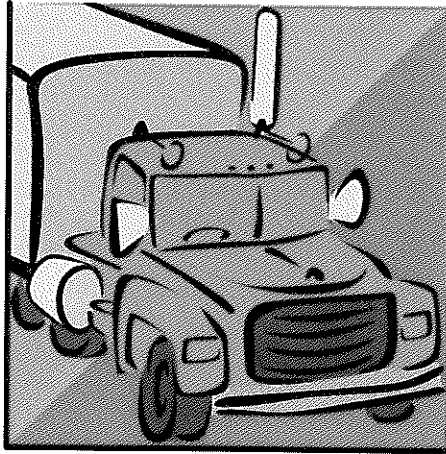


City of Central Falls



Request for Bids

**3). NEW OR DEMO 2011 OR 2010 LEFTOVER 32 YARD—
AUTOMATIC DIESEL DUMP TRUCK**



Charles D. Moreau
Mayor

Marie Twohey
City Clerk/Purchasing Agent
580 Broad St.
Central Falls, RI 02863

**City of Central Falls
Invitation to Bid**

The City of Central Falls is requesting bids for the following:

1. RFP for Energy Service Company to Develop Municipal Energy Efficiency and Conservation Plan
2. RFP for Medical Benefits and Dental Benefits – (Carriers only)
3. New Automatic Diesel 32 yard Rubbish Truck
4. Used Automatic Diesel 32 yard Rubbish Truck
5. New Ingersoll-Rand Model P185WJD portable air compressor

Questions related to items 1, should be directed to Art Hanson, Planning Dept. at (727-7480) between the hours of (9:00am and 4:00pm.)

Specifications and Instructions to bidders available at the Office of the City Clerk/Purchasing Agent 580 Broad St. Central Falls, Monday - Friday between the hours of 9:00 a.m. -3:00 p.m or on our website at www.centralfallsri.us. It is the responsibility of the applicant to check the website for any updates to the bid.

The City of Central Falls reserves the right to accept or reject any and all bids/proposals in the best interest of the City. The City also reserves the right to waive any formalities.

All bids shall be sealed in envelopes with the project name & number clearly marked in the lower left hand corner of the envelope and must be received by 4:00 p.m. in the Office of the Purchasing Agent on Monday, March 22, 2010 .

NOTE: A 5% BID BOND IS REQUIRED to accompany bid. Successful bidder will be required to place a 100 % payment & performance bond at time of award. NO BIDS WILL BE ACCEPTED AFTER 4:00 P.M.

Bids will be publicly opened and read on **TUESDAY, MARCH 23, 2010 AT 4:45pm** in the City Hall Council Chambers 580 Broad St., Central Falls, R.I. 02863.

Interpreters for the Hearing Impaired available upon 72 hour request made at the Office of the City Clerk. The City of Central Falls is an equal opportunity employer ADA/EOE. TDD/TTY 401-727-7450. This notice posted in City Hall, Library, with all City Departments, www.centralfallsri.us website and with the Office of the Secretary of State pursuant to Rhode Island General Laws. To review Notice of Citizen's Rights visit the Attorney General's webpage at: www.riag.ri.gov.

**Marie A. Twohey
Purchasing Agent/City Clerk**

Providence Journal MARCH 1, AND MARCH 8, 2010

City of Central Falls

General Instructions

1. Receipt and Opening of Proposals

Sealed bids (proposals) will be accepted in the office of the Purchasing Agent, City Hall, Central Falls, Rhode Island, until the time indicated on the attached advertisement for bids, for the commodities, equipment or services listed in the specifications, and will be then publicly opened and read at the prescribed time in the City Hall Council Chambers.

2. Form of Bid

Proposals shall be submitted with one Original and 3 Copies, with supplemental information, drawings, warranties and other required documentation, literature and material to be provided, with the bid.

3. Submission of Bids

- a. Envelopes containing bids must be sealed and addressed to the Purchasing Agent, City Hall, 580 Broad Street, Central Falls, RI 02863 and must be marked with the name and address of the bidder, date and hour of opening, and name of bid item.
- b. The Purchasing Agent will indicate in the advertisement when the bids will be opened and no bid received thereafter will be considered.
- c. Any bidder may withdraw his bid by written request at any time prior to the advertised time for opening. Telephone bids, amendments, or withdrawals will not be accepted.
- d. Unless otherwise specified, no bid may be withdrawn for a period of thirty (30) days from time of bid opening.
- e. Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after it has been opened.
- f. Proposals received prior to the time opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a proposal not properly addressed and identified.
- g. Any deviation from the specifications must be noted in writing and attached as a part of the bid proposal. The bidder shall indicate the item or part with the deviation and indicate how the bid will deviate from specifications.
- h. **A 5% bid bond is required to accompany all bids in the form of certified check, cashier's check, treasurer's check, or bid bond in the amount of five (5%) percent of the total bid.** If the bidder is a partnership, the bond should be signed by each of the individuals who are partners. If the bidder is a corporations, the bond should be signed in its

correct incorporated name by a duly authorized officer, agent, or attorney-in-fact and there should be attached to it a certified copy of his power of attorney to sign such bonds.

There should be executed an appropriate number of counterparts of the bond corresponding to the number of counterparts of the contract.

The surety, for value received, hereby stipulates and agrees that the obligations of said surety and its bond shall be in no way impaired or affected by any extension of the time within which the owner may accept such bid; and said surety does hereby waive notice of any such extension.

Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

- i. Specifications shall be made a part of any contract by and between the City of Central Falls and the bidder.

j. BOND SECURITY

If the estimated cost of the article or labor and materials is \$5,000.00 or more, the successful bidder must provide, within 7 days of notification of the successful bid, a performance bond of an approved surety company in a sum equal to the estimated contract price which bond shall be conditioned upon the full and faithful performance of the contract. It shall provide further, that in the event the bidder fails or neglects to execute the contract or deliver the bond, the contract shall be null and void and the bond shall be retained by the City as liquidated damages for the delay and expense caused by the abandonment of the contract.

4. Rhode Island Sales Tax

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph 1, as amended.

5. Federal Excise Taxes

The City is exempt from the payment of any excise tax or federal transportation taxes. The price bid must be exclusive of taxes and will be so construed.

6. Qualifications of Bidders

The City may make such investigations as it deems necessary to determine the ability of the bidder to perform the work. The bidder shall furnish the City with all such information and data for the purpose as may be requested.

7. Addenda and Interpretations

No interpretation on the meaning of the plans, specifications or other contract document will be made to any bidder orally. Every request for such interpretations should be in writing addressed to the City of Central Falls, Office of the Purchasing Agent, 580 Broad Street, Central Falls, RI 02863 and to be given consideration must be received at least seven (7) days prior to the date fixed for the opening of the bids.

8. Delivery

All bids are to be FOB various locations within the City of Central Falls, delivery to be supplied with the Purchase Order. No extra charges for delivery, handling or other services will be honored. Only inside delivery and set-up, where required, will be accepted. **TAILGATE DELIVERIES WILL BE REFUSED.** The vendor must notify the City of Central Falls 24 hours prior to delivery. All claims for damage in transit shall be the responsibility of the successful bidder. The City will not make payment on damaged goods, they must be replaced or adjustments made at the option of the city. The City of Central Falls is only represented by the Purchasing Agent in these matters and that division, or its appointed representative or agent, shall be the only entity to negotiate any settlements. Deliveries must be made during normal working hours.

Bid price, where applicable, is to include the cost of uncrating and setting in place. Bid price, where applicable, is to include installation.

9. Indemnification and Hold Harmless

The bidder shall protect defend and indemnify the City of Central Falls, including its officers, agents and employees, and hold them free and harmless from all liability, penalties, costs, losses, damages, expenses, causes of action, claims or judgments, including attorney's fees, resulting from injury to, or death of, any person or damage to property of any kind, which injury, death or damage arises out of, or is in any way connected with, the performance of the work under any contract made as part of this award. It shall apply to any acts or omissions of bidder's agents, employees, subcontractors or suppliers. The bidder also shall Hold the City of Central Falls harmless from any and all claims or liens for labor, services, or materials furnished to the bidder in connection with the performance of the bidder's obligation under any contract between the bidder and City. This section shall not be applicable to injury, death or damage to property arising from the sole negligence or sole willful misconduct of the City of Central Falls, its officers, agents or employees.

10. Property lost, damaged or destroyed.

Any property or work to be provided by bidder will remain at the bidder's risk until written acceptance by the City of Central Falls and the bidder will replace, at bidder's expense, all property or work lost, damaged or destroyed by any cause whatsoever.

11. Evidence of Insurance

A policy of auto, general liability and property damage insurance shall be attached hereto, covering any and all work performed under a contract between the City and bidder, naming the City as an additional insured shall be made part of any contract between the City and bidder in an amount of not less than \$1,000,000 for projects in excess of \$500,000.

A policy of professional liability or errors and omissions insurance covering any and all work performed under any contract between the City and bidder naming said bidder shall be attached hereto.

A copy of workers compensation insurance policy shall be attached, if required by Rhode Island law for this bid and covering all work to be performed under any contract between the City and bidder naming the bidder as insured shall be attached hereto.

The City, upon award of bid, will request verification from the insurance company to ensure that the agent has properly notified the company and that coverage has been bound.

Rear Loading Refuse Collection Truck Body

INTENT:

This specification describes a hydraulically actuated packer body of the rear loading type with the following minimum specifications necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulically ejecting the load from the body.

GENERAL TERMS:

All equipment furnished under this contract shall be the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, shall also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. The equipment furnished shall conform to ANSI Safety Standard Z245.1-1999.

GUARANTEE:

Bidder shall state his normal warranty and extended warranty where available.

PARTS MANUAL:

Bidder shall furnish a complete set of parts, maintenance, and operator's manuals with each body sold.

BID QUOTATION:

Bidder shall complete every space in the specification bidder's proposal column with a check mark to indicate if the item being bid is exactly as specified. If not, the "NO" column must be checked and a detailed description of the deviation from the specification to be supplied.

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>				
1. CAPACITY							
a. The body shall have a capacity, excluding the receiving hopper, of not less than: 32 cubic yard	_____	_____	_____				
b. The hopper shall have a volumetric capacity of 3 cubic yards.	_____	_____	_____				
c. Units with commercial container handling devices shall have 3.6 cubic yards.	_____	_____	_____				
2. BODY DIMENSIONS							
a. The maximum outside body width shall be 96".	_____	_____	_____				
b. The maximum overall body height shall be 95".	_____	_____	_____				
c. The maximum overall length of the body and tailgate combined shall not exceed the following: <table border="0" style="margin-left: 40px; width: 60%;"> <tr> <td style="text-align: center;"><u>CAPACITY</u></td> <td style="text-align: center;"><u>LENGTH</u></td> </tr> <tr> <td style="text-align: center;">32 cubic yard</td> <td style="text-align: center;">324"</td> </tr> </table>	<u>CAPACITY</u>	<u>LENGTH</u>	32 cubic yard	324"	_____	_____	_____
<u>CAPACITY</u>	<u>LENGTH</u>						
32 cubic yard	324"						
d. The body inside width shall be 91.5".	_____	_____	_____				
e. The body inside height shall be 90.3" from bottom of trough.	_____	_____	_____				
3. BODY CONSTRUCTION							
a. The body interior shall have a smooth concave floor supported by a trough to increase capacity and to function as a sump. Flat floors not acceptable.	_____	_____	_____				
b. The body sides shall be brake-formed radius construction providing superior structural strength to weight ratio.	_____	_____	_____				
c. No hydraulic cylinders, valve or other hydraulic components shall come in contact with refuse packed into the body.	_____	_____	_____				
d. Body sides and roof shall be designed to withstand continuous operation at maximum imposed loads without harmful deformation or excessive wear.	_____	_____	_____				
e. Body roof shall be minimum 10 gauge high tensile 80,000 PSI minimum yield steel.	_____	_____	_____				

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
f. Body roof hinge member shall be a 7.5" x 4" x ¼" , ASTM grade 50, formed channel, fully welded to the roof sheet.	_____	_____	_____
g. The body roof longitudinal corners shall be a formed external crown rail fabricated from 10 gauge high tensile 80,000 PSI minimum yield steel.	_____	_____	_____
h. Body sides shall be a minimum 10 gauge high tensile sheet, 80,000 PSI minimum yield steel. Multiple steel grades are not acceptable.	_____	_____	_____
i. Front body perimeter side bolsters shall be 6" x 4" x 7 gauge high tensile, 50,000 PSI minimum yield steel. Rear body perimeter side bolsters shall be 9" x 3.5" ¼" high tensile, 50,000 PSI minimum yield steel.	_____	_____	_____
j. Body floor shall be minimum 3/16" XF high tensile 100,000 PSI minimum steel.	_____	_____	_____
k. The body shall feature an integral trough with a concave floor design to consolidate liquids along the centerline of the body.	_____	_____	_____
l. Floor longitudinal long members shall be 6" x 10.5#/ft structural channel and incorporated in the structure of the trough.	_____	_____	_____
m. Floor cross members shall be 11 gauge tapered formed channels 6.25" x 8" 50,000 PSI minimum yield steel.	_____	_____	_____
4. TAILGATE DIMENSIONS			
a. Maximum overall width at the hopper opening shall be 85-1/2" outside to outside hopper bolsters.	_____	_____	_____
b. Inside tailgate loading width shall be minimum of 78".	_____	_____	_____
c. Hopper opening height shall be minimum of 68".	_____	_____	_____
d. Overall height above the chassis frame with the tailgate raised shall not exceed 182".	_____	_____	_____
5. TAILGATE CONSTRUCTION			
a. Tailgate shall be constructed having a hinged upper section to facilitate maintenance and allow access for easy removal of slide and sweep panels.	_____	_____	_____

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	YES	NO	OFFERED
b. Upper tailgate sides shall be 11gauge 50,000 PSI minimum yield steel.	_____	_____	_____
c. Lower tailgate sides shall be 3/16" 100,000 psi minimum yield steel.	_____	_____	_____
d. Upper tailgate side perimeter reinforcement shall consist of 3" x 1.5" x 11 gauge structural tubing with 1.5" x 3" x 11 gauge perpendicular channel reinforcements.	_____	_____	_____
e. Lower tailgate side perimeter reinforcement shall consist of 3" x 1.5" x 3/16" structural tubing with 1.5" x 3" x 7 gauge perpendicular channel reinforcements.	_____	_____	_____
f. Hopper floor shall be minimum 1/4" AR400 177,000 PSI, 400 BHN abrasion resistant steel plate.	_____	_____	_____
g. Hopper floor shall be reinforced by three 4" structural channels rolled to match the radius of the hopper and tied to the lower front tailgate bolster and the rear loading edge cross member. A Reinforced hopper is mandatory.	_____	_____	_____
h. Tailgate shall be equipped with heavy duty 1" diameter turnbuckles, one on each side of body, to secure the tailgate in the closed position against the body to prevent leakage.	_____	_____	_____
i. One (1) grab handle of 1" diameter shall be located at a height of 48" – 52" above the rear step on the left and right side of the tailgate conforming to ANSI 245.1-1999.	_____	_____	_____
j. The rear steps shall be bolt-on design fabricated from 11.75" x 28" x 14 gauge, diamond grip strut , slip resistant, self-cleaning material, located on each side or the tailgate and conform to ANSI standards and specification 121-2104 & 2105.	_____	_____	_____
k. The tailgate shall be raised with two (2) single acting 3.5" bore x 2.5" rod x 33" stroke hydraulic cylinders. The cylinders shall incorporate an integral orifice which shall limit the descent speed of the tailgate in the event of hydraulic failure.	_____	_____	_____

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
<p>l. The tailgate shall be equipped with a one piece, removable rubber gasket. The gasket, which shall have a durometer rating of 70 and shall extend across the entire bottom width of the tailgate to provide a water tight seal vertically up the side for no less than 52".</p>	_____	_____	_____
6. PACKER CONTROLS			
<p>a. Operator levers shall be on the right hand side of the tailgate and shall have the capability to start, stop and reverse the direction of any function at any time throughout the packing cycle.</p>	_____	_____	_____
<p>b. Packing mechanism control valve shall be located externally on the upper curbside portion of the tailgate to facilitate access and maintenance.</p>	_____	_____	_____
<p>c. Packing cycle control shall be a direct linkage, mechanical design that does not require use of additional bell cranks or lever arms to actuate.</p>	_____	_____	_____
<p>d. Engagement of the packer controls shall enable engine speed up throughout packing cycle. The packing cycle time shall be 24-28 seconds. Operator reload time shall be no greater than 7-9 seconds.</p>	_____	_____	_____
7. PACKER MECHANISM			
<p>a. Packing mechanism shall consist of a two piece sweep and slide panel.</p>	_____	_____	_____
<p>b. The sweep panel shall be mounted to the slide by means of a single 4-1/4" x 5/8" wall DOM hinge tube supported by 4-3/4" x 6" bronze bushings.</p>	_____	_____	_____
<p>c. The face of the sweep panel shall be constructed with 1/4", AR400 177,000 PSI steel reinforced with three 1/2" grade 50 full profile internal braces.</p>	_____	_____	_____
<p>d. The sweep panel lower edge shall be 5-1/4" x 77"x 1/2" AR400 177,000 PSI steel.</p>	_____	_____	_____
<p>e. Each cylinder anchor is constructed from 1" grade 50 high tensile steel.</p>	_____	_____	_____
<p>f. Two (2) double acting, 5" bore x 4" rod x 26" stroke, cushioned hydraulic cylinders.</p>	_____	_____	_____

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
g. The face plate of the slide panel shall be 1/4" grade 100 ultra high tensile steel reinforced by five tapered 6-1/2" x 49" 7 gauge grade 50 ribs.	_____	_____	_____
h. The slide panel end frames shall be constructed using two 9" x 63" x 3/8" grade 50 high tensile steel plates with 1/4" spacer channels on each side.	_____	_____	_____
i. Two 5" x 4" x 40" stroke cushioned hydraulic slide cylinders shall produce 98,000 pounds of packing force.	_____	_____	_____
j. Slide cylinders shall be mounted outside of hopper and oriented at the same angle of slide panel travel to produce maximum compaction force and to facilitate maintenance.	_____	_____	_____
k. Linear movement of the slide panel shall be accomplished with multiple 3-7/8" x 10-7/8" x 1-7/8 thick UHMW slide blocks. Rollers shall not be used.	_____	_____	_____
l. Each hopper full of material shall be compressed between the packing panel and ejector panel. The ejector shall be automatically advanced by a valve in the resistance circuit. No operator attention shall be required to advance the ejector panel. No packing force shall be applied to hopper face.	_____	_____	_____
8. DISHCHARGE OF LOAD			
m. The load shall be discharged by means of a positive ejection system. A double acting, tri-stage hydraulic cylinder shall extend and retract the ejector panel the full length of the body. 4 stage cylinders not acceptable.	_____	_____	_____
n. The ejector cylinder shall have the following dimensional characteristics:			
<u>CAPACITY</u> <u>STAGES</u> <u>BORE</u> <u>STROKE</u>			
32 cubic yard 3 6-1/4" 162"	_____	_____	_____
o. The ejector panel face sheet shall be constructed from 7 gauge hi-tensile steel and reinforced by seven 3" x 3" x 1/4" formed channels.	_____	_____	_____

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
p. The ejector panel shall be guided by two 5-1/8" x 11-7/8" x 2" thick UHMW shoes on each side of the base frame. The shoes shall be single bolt quick change design permitting replacement without removing the ejector panel.	_____	_____	_____
q. The body floor trough shall provide and integral guide for the eject panel.	_____	_____	_____
8. EJECT CONTROLS			
a. The ejector panel and tailgate raise controls shall be mounted outside the body on the front left hand side of the body. Direct connection of the control handles to the valve spool shall exist to minimize moving parts and allow for ease of service.	_____	_____	_____
b. An additional throttle advance switch shall be located at the front left hand side of the body within hands reach of the ejector and tailgate raise controls.	_____	_____	_____
9. HYDRAULIC SYSTEM			
a. To minimize hydraulic cylinder weight, a high pressure hydraulic system shall be employed. The operating pressure of the system shall be 2500 PSI. Low pressure systems shall not be acceptable.	_____	_____	_____
b. A heavy duty gear pump shall be provided with a rated capacity of 38 GPM @ 1300 RPM depending on PTO ratio.	_____	_____	_____
c. The hydraulic pump shall be designed to operate continuously with peak loading at frequent, short intervals.	_____	_____	_____
d. The hydraulic system shall incorporate adjustable relief valves to protect all components from excessive pressure and overloads.	_____	_____	_____
e. All roof mounted hydraulic tubes shall be securely clamped to prevent vibration, abrasion, and excessive noise.	_____	_____	_____
f. All hydraulic hoses shall conform to S.A.E. standards for designed pressure. Bends shall not be less than recommended by S.A.E. standards.	_____	_____	_____

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	YES	NO	OFFERED
g. The hydraulic oil reservoir shall have a minimum capacity of 50 gallons filled with hydraulic fluid.	_____	_____	_____
h. The tank shall be frame mounted complete with a screen and filter breather cap. Tank inside body not acceptable.	_____	_____	_____
i. The hydraulic system shall be protected by a ten (10) micron return line filter.	_____	_____	_____
j. All multi-spool control valves shall be of a sectional design such that servicing would not require replacement of the entire valve assembly. The main tailgate control valve must be located outside of the hopper on the side for easy access.	_____	_____	_____
10. HYDRAULIC CYLINDERS			
a. All cylinders must have a working pressure of 2500 PSI.	_____	_____	_____
b. Sweep and slide cylinders must be of the internal cushion design so that hydraulic shock and audible noise is minimized. This shall be accomplished by a design which will decrease the speed of the cylinder for the last one-half (.5") inch of cylinder stroke in both directions of travel.	_____	_____	_____
c. Rods of packing and slide cylinders shall be chrome plated.	_____	_____	_____
d. All rod end pin lugs shall be inertia welded to the cylinder rods	_____	_____	_____
e. Minimum 2 yr warranty on all cylinders.	_____	_____	_____
11. ELECTRICAL			
a. All electrical wiring connectors to be automotive double-seal, with automotive wiring loom.	_____	_____	_____
b. All wiring connections to be soldered with rubber molded covering or crimp type connectors with shrink wrap. Unprotected wiring in any application is unacceptable.	_____	_____	_____
12. LIGHTING			

BID SPECIFICATION

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
a. Clearance lights, four (4) directional light, four (4) brake lights, and (2) reverse lights shall be LED with Lexan lens and shock mounted in a protective housing.	_____	_____	_____
b. All lights shall be provided in accordance with FMVSS #108.	_____	_____	_____
c. Two halogen work lights shall be mounted above the hopper.	_____	_____	_____

14. PAINTING

a. All weld slag, splatter or roughness shall be removed with the appropriate hand tools prior to priming the body. No sand, shot or glass air blasting shall be permitted to eliminate contamination and possible damage to bearings or pin surfaces and possible distortion of higher gauge sheet materials used on the body.	_____	_____	_____
b. A phosphate wash to remove scale and oil residue shall be utilized to improve adhesion of primer.	_____	_____	_____
c. A primer coat shall be applied and force dried prior to finish top coat.	_____	_____	_____
d. Finish top coat to be Dupont Imron 5000 which shall be applied to achieve a dry thickness of two and one-half (2 ½) mil and shall result in a finish of 3 ½ mil minimum thickness and up to 4 mil maximum finish.	_____	_____	_____

15. ADDITIONAL OPTIONS TO BE INCLUDED

8000 lb over head drum winch, with container tipper (handles wastec containers)

Bidder's Response Form
ITEM # 2 NEW/DEMO/OR LEFTOVER RUBBISH TRUCK –
2009/2010
(PLEASE INCLUDE COPY OF BID SPEC OF PROPOSED VEHICLE)

Year _____

Make _____

Model _____

Capacity _____

Warranty _____

Delivery _____

Price: _____ (if two purchased) _____

Options: _____

Discounts: _____

Total bid price: \$ _____

TOTAL BID PRICE IN WORDS: _____

EXTENDED WARRANTY \$ _____ # YEARS _____

LEASE/PURCHASE OPTION: \$ _____
(PLEASE INCLUDE TERMS & CONDITIONS)

Bidder may attach any descriptions and comments necessary to be made a part of this form.

- **The bidder, in compliance with the invitation for bids for the City of Central Falls, having examined the specifications and being familiar with the equipment being sought for the Public Works Department hereby acknowledges the above proposed cost in accordance with the specification in which this proposal is a part.**
- **The bidder acknowledges that delivery of this equipment (not to exceed 45days) above specified will be met.**

_____ Date

_____ Company Name Telephone Number

_____ Address

_____ City/State

_____ Authorized Signature Title

1. If a corporation, give state of incorporation: _____

2. If a partner, give names of partners: _____

3. If an individual using a trade name, give individual's name and d/b/a

Vehicle Specification

		Description	Front Weight	Rear Weight	Price
AUTOCAR TRUCKS					
S	5000001	CAB SHELL	SINGLE LEFT HAND DRIVE CAB	0	0
O	100U001	CUSTOMER TYPE	MUNICIPAL	0	0
SOLUTION					
O	C01003	APPLICATION	REFUSE - LANDFILL	0	0
O	C02003	BODY TYPE	REAR END LOADER	0	0
O	C03001	TERRITORY	EAST COAST	0	0
O	C06305	BODY STYLE	MCNEILUS XC	0	0
O	C05032	BODY CAPACITY	32 YARD	0	0
O	D010200	FRONT GAWR	20000 LBS	0	0
O	D020460	REAR GAWR	46000 LBS	0	0
O	D100660	GVWR	66000 LBS	0	0
ENGINE					
O	1010030	ENGINE ASSY	ISM '07,350 V @ 2100/1450 LB-FT, CUMMINS	512	0
O	102350	ENGINE HORSEPOWER RATING	350 HORSE POWER	0	0
ENGINE EQUIP					
O	122002	PTO-ENGINE FRONT	ADAPTER FOR SPICER 1350	29	-3
O	4380011	FILTER-FUEL, CHASSIS MOUNTED	RACOR 4120R10 FILTER W/ 12V ELECTRIC HEAT	2	6
O	170998	FILTER-FUEL, ENGINE MOUNTED	NO SECONDARY FUEL FILTER PROVIDED	-3	0
O	180021	ENGINE BLOCK HEATER	PHILLIPS 120V 1500W	5	0
O	1810003	HEATER RECEPTICAL LOCATION-ENGINE	RECEPTACLE LOCATED AT CAB STEPS, RH SIDE	0	0
O	231001	EXHAUST SHIELDS	STAINLESS STEEL VERT MUFF SHIELD-SINGLE	6	0
O	802115	ALTERNATOR	DELCO REMY 12V 145AMP 22SI	0	0
O	810092	BATTERY	3 JOHNSON CONTROL 31ECL 12V 2850CCA	7	3
TRANSMISSION					
O	2700028	TRANSMISSION	ALLISON 4500 SERIES,6-SPEED	0	0
O	300013	DRIVESHAFT-MAIN	SPICER 1810HD HALF ROUND	5	10
Price Level : 200902022010A			Friday, September 4, 2009 11:13:33 AM EST		Page 2 of 14

FRONT AXLE				
S	370002	FRONT AXLE	MERITOR MPS-20 STEER AXLE, 20000# CAPACITY	0 0
O	374002	FRONT AXLE LUBRICANT	SYNTHETIC,DANA SPICER EP75W90,OR EQUIV	0 0
REAR AXLE				
O	330444	REAR DRIVE AXLE-SINGLE & TANDEM	ARVIN MERITOR RT46-160 46,000 LB	0 445
O	331538	REAR DRIVE AXLE RATIO	5.38	0 0
O	333014	REAR DRIVE AXLE ANTI- SPIN DEVICES	FOUR WHEEL LOCK	0 63
O	3500004	REAR SUSPENSION	HENDRICKSON HMX-460 SUSP @ 54" AS	0 8
O	3560001	REAR DRIVE AXLE STOPS	REAR BUMPSTOPS REQUIRED	0 0
BRAKES				
O	741048	BRAKE CONTROL SYSTEM	BENDIX ABS WITH FULL TRACTION CONTROL	0 0
O	7510001	BRAKES-FOUNDATION, FRONT AXLE	ARVIN MERITOR FRONT 16.5X7" QP REFUSE BRAKE	29 0
O	7610001	BRAKES-FOUNDATION, REAR AXLE	ARVIN MERITOR 16.5X8.62" QP REFUSE BRAKE	0 42
CHASSIS				
O	400227	WHEELBASE	227 INCHES	29 35
O	402074	FRAME-REAR OVERHANG	74"	42 -150
O	404002	FRAME REINFORCEMENT INNER	.25" LINER, STANDARD LENGTH	145 393
O	430998	FUEL TANK-LEFT	DELETE LHS FUEL TANK	-29 -59
O	431020	FUEL TANK-RIGHT	75 GAL 26" DIA UNPAINTED ALUMINUM	29 59
O	431T001	FUEL TANK MOUNTING RHS	FUEL TANK MTD FWD RHS STD (IF PROVIDED)	0 0
O	431U001	FUEL TANK MOUNTING HEIGHT RHS	FUEL TANK STANDARD HEIGHT	0 0
O	441001	FUEL TANK STRAP/ SUPPORT RIGHT	STEEL	0 0
O	468001	GUARD-OIL PAN	ENGINE OIL PAN GUARD - STEEL	126 -31
O	711U06	AIR TANK MOUNTING	AS MANY TANKS IN RAIL AS POSSIBLE	0 0
O	715009	WET TANK DRAIN	BENDIX DV-2 AUTOMATIC WITH HEATER	1 1
O	715T003	AIR RESERVOIR DRAIN SYSTEM	CENTRAL MANIFOLD W/ PETCOCKS	2 2

O	812U008	BATTERY BOX HEIGHT	TOP OF BATTERY BOX 10.5' BELOW TOP OF RAIL	10	0
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CAB EXTERIOR

O	6190001	MIRROR ARMS	SHORT ARM RETRACT. STAINLESS STEEL	0	0
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CAB INTERIOR

O	3810001	STEERING COLUMN	ADJUSTABLE TILT STEERING COLUMN	1	0
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CAB CLIMATE CONTROL

O	060001	CAB TEMPERATURE SYSTEM	AIR COND INTEGRAL WITH HEATER/DEFROSTER	138	-27
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O	6000002	CAB TEMP SYSTEM	INTEGRAL AIR CONDITIONING W/ HEATER/ DEFROSTER	0	0
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O	608002	REFRIGERANT TYPE	R134A	0	0
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O	611003	AIR CONDITIONER COMPRESSOR	STANDARD	0	0
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O	612001	AIR CONDITIONER CONDENSER	STANDARD	0	0
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O	615004	AIR CONDITIONER PIPING	R134A HOSES WITH CRIMPED FITTINGS	0	0
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RADIO/MISC

O	5900006	RADIO	AM/FM RADIO, ROOF MOUNTED	13	-4
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O	5910002	ANTENNA/POWER SUPPLY	ANTENNA - ROOF MOUNTED	0	0
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O	596005	RADIO SPEAKERS	2 DUAL CONE SPEAKERS	0	0
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O	5620001	FIRE EXTINGUISHER	XXXX DUAL 5LB ABC EXTINGUISHERS, ONE UNDER EACH SEAT	5	0
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PAINT

O	9550002	CAB PAINT TYPE	CAB FIRST COLOR OTHER THAN STD. NON METALLIC	0	0
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A	980QXX	CAB COLOR-FIRST	Dark GREEN P3300	0	0
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O	988949	DISC WHEEL OR RIM COLOR	STEEL, E-COAT GREY/ ALUM- UNPAINTED	0	0
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ADDITIONAL OPTIONS

O	899A006	TRANSMISSION WARRANTY	ALLISON 5YR. EDGE WARRANTY	0	0
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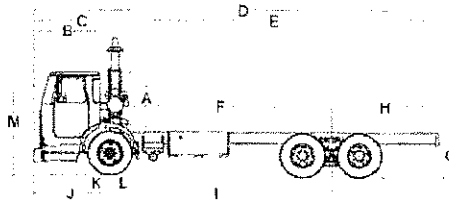
O	899B013	ENGINE WARRANTY	EXT. ENGINE COVERAGE 5 YRS/500K ISM 07 PROG PP2	0	0
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O	899H012	ENGINE TURBO EXTENDED WARRANTY	TURBOCHARGER 5 YRS/500K. ISM	0	0
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O	899J012	FUEL INJECTOR EXTENDED WARRANTY	INJECTOR 5 YRS/500K, ISM	0	0	
S	899S98	EPA SURCHARGE	NO EPA SURCHARGE	0	0	
D	978075	FLOOR PLAN	75 DAYS FLOORING	0	0	
OTHERS						
O	9720001	CERTIFICATION- EMISSIONS	COMPLIES WITH 2007 U.S. EMISSIONS	0	0	
SUB TOTALS						
BASE WEIGHT				10,149	6,178	
FACTORY OPTION WEIGHT				1,104	793	
DEALER OPTION WEIGHT				0	0	
TOTALS						
TOTAL WEIGHT (LB)				11,253	6,971	18,224

Dimensions

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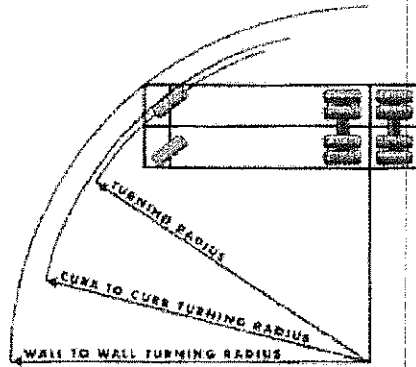
	Dimension(in)	Description
A	59.00	CAB HEIGHT
B	62.00	BUMPER TO BACK OF CAB
C	94.00	EFFECTIVE BUMPER TO BACK OF CAB
D	372.00	OVERALL LENGTH
E	278.00	EFFECTIVE CAB TO END OF FRAME
F	204.00	EFFECTIVE CAB TO REAR AXLE
G	42.75	UNLADEN FRAME HEIGHT
H	74.00	OVERHANG
I	227.00	WHEELBASE
J	71.00	BUMPER TO FRONT AXLE
K	-24.00	DRIVER CENTER OF GRAVITY
L	23.00	EFFECTIVE FRONT AXLE TO BACK
M	101.75	OVERALL HEIGHT
N	0.00	FRONT FRAME EXTENSION

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM '07,250 V @ 2100/1450 LB-FT, CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.36
Rear Tire	11R22.5 H 16 PR

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Turning Radius



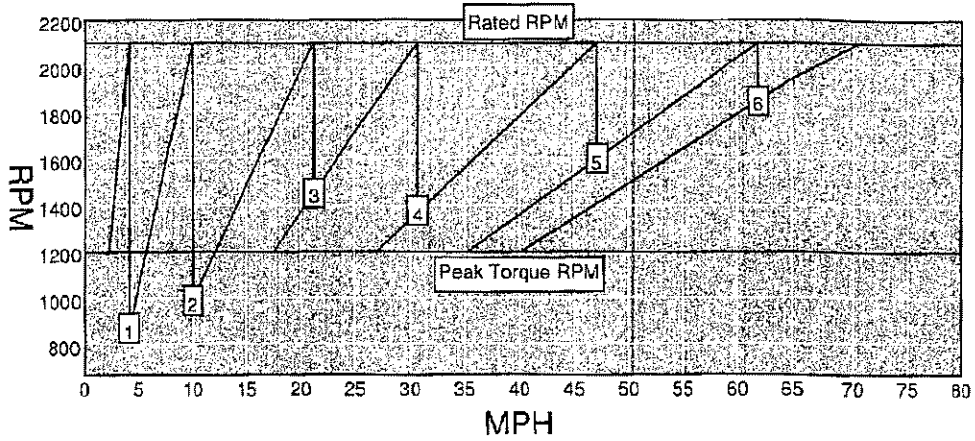
	Dimension(in)	Description
A	38.23	TURNING RADIUS
B	78.54	CURB TO CURB TURNING DIAMETER
C	84.77	WALL TO WALL TURNING DIAMETER

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM 107,350 V @ 2100/1450 LB-FT. CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR

Shift Chart

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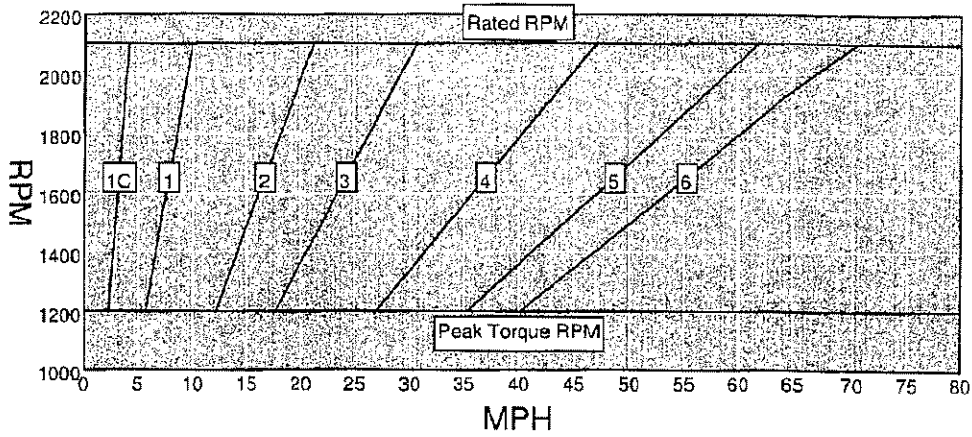
Gear	Trans. Ratio	Rear Axle Ratio	Overall Reduction	% Split	MPH	RPM After Shift
IC	11.37	5.38	61.2	0.0	4.1	0
1	4.70	5.38	25.3	141.9	10.0	868
2	2.21	5.38	11.9	112.7	21.3	987
3	1.53	5.38	8.2	44.4	30.8	1,453
4	1.00	5.38	5.4	53.0	47.1	1,372
5	0.76	5.38	4.1	31.6	62.0	1,596
6	0.67	5.38	3.6	13.4	70.3	1,851

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM '07,350 V @ 2100/1450 LB-FT, CUMMINS
Rated Power	350 HP @ 2100 RPM
Peak Torque	1450 LB-FT @ 1200 RPM
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	ARVEN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR
Tire Revolution	497

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Operating Range



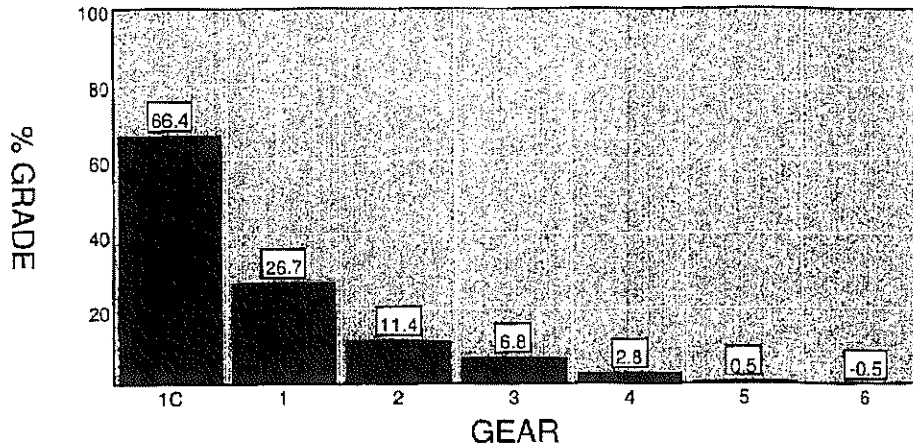
Gear	Trans. Ratio	Rear Axle Ratio	Minimum MPH	Maximum MPH
1C	11.37	5.38	2.4	4.1
1	4.70	5.38	5.7	10.0
2	2.21	5.38	12.2	21.3
3	1.53	5.38	17.6	30.8
4	1.00	5.38	26.9	47.1
5	0.76	5.38	35.4	62.0
6	0.67	5.38	40.2	70.3

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM '07.350 V @ 2100/1450 LB-FT, CUMMINS
Rated Power	350 HP @ 2100 RPM
Peak Torque	1450 LB-FT @ 1200 RPM
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR
Tire Revolution	497

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Gradeability



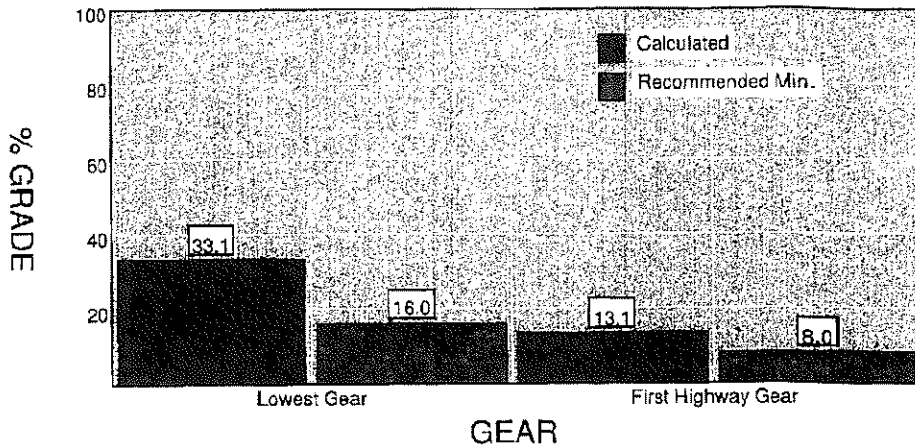
Gear	Trans. Ratio	Rear Axle Ratio	Overall Reduction	Peak Torque	Wheel HP	MPH	Maximum Grade%
1C	11.37	5.38	61.2	1,450.0	279.6	2.4	66.4
1	4.70	5.38	25.3	1,450.0	279.6	5.7	26.7
2	2.21	5.38	11.9	1,450.0	279.6	12.2	11.4
3	1.53	5.38	8.2	1,450.0	279.6	17.6	6.8
4	1.00	5.38	5.4	1,450.0	279.6	26.9	2.8
5	0.76	5.38	4.1	1,450.0	279.6	35.4	0.5
6	0.67	5.38	3.6	1,450.0	279.6	40.2	-0.5

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM '07,350 V @ 2100/1450 LB-FT, CUMMINS
Peak Torque	1450 LB-FT @ 1200 RPM
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR
Tire Revolution	497
GVW/GCV	66,000
Surface	Concrete

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Startability



Gear	Application	Recommended Minimum Grade %	Calculated Grade %
Lowest Gear	City	12.0	n/a
	On Highway	16.0	33.1
	On-Off Highway	18.0	n/a
	Off Highway	20.0	n/a
First Highway Gear	All Applications	8.0	13.1

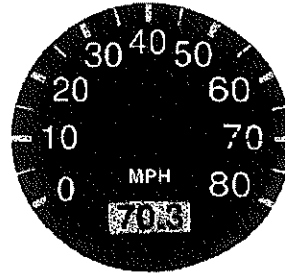
SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM 107.350 V @ 2100/1450 LB-FT. CUMMINS
Clutch Torque	700 FT-LB 600 RPM
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR
Tire Radius	19.4
GVW/GCV	66,000
Surface	Concrete
Terrain	On Highway

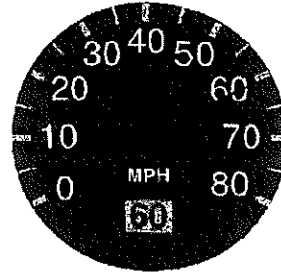
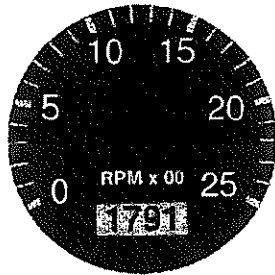
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Top Speed

Speed At Maximum RPM



RPM At 60MPH



	MPH	RPM
Top Speed	70.3	2,100
Cruise Speed	60.0	1,791
Minimum Of Engine Range	40.2	1,200
Maximum Of Engine Range	70.3	2,100
Minimum Of Economy Range	50.2	1,500
Maximum Of Economy Range	60.3	1,800

SPECIFICATION SUMMARY

Model	ACX64
Engine	ISM 107,350 V @ 2100/1450 LB-FT. CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	ARVIN MERITOR RT46-160 45,000 LB
Rear Axle Ratio	5.38
Rear Tire	11R22.5 H 16 PR
Tire Revolution	497