

**SPECIAL INSTRUCTIONS
TO BIDDERS**

The attached specifications and bid form allow each bidder to substitute his own equipment specifications for those specified on the form. However, each bidder must fill in every space in the last column marked "Bidder's Proposal" or his bid will be incomplete. If the equipment you will supply is exactly as specified in the middle column marked "Specification", then please mark the proposal column with a check mark (√). If the equipment you will supply will have different features or specifications than described, then you must indicate what you propose to supply instead in the space in the last column. All spaces in the Bidder's Proposal column **MUST** be either checked or filled in with words.

As an example, consider the fuel tank for the dump truck chassis. If you will supply a 26 inch Aluminum 50 gallon tank on the left side, the bid would be filled out with a check:

BID ITEM	SPECIFICATION	(√) or BIDDER'S PROPOSAL
Fuel Tank	26" Al 50 gal LH U/C	√

On the other hand, if you will supply a single 50 gallon tank on the right side, the bid should be filled out in words:

BID ITEM	SPECIFICATION	(√) or BIDDER'S PROPOSAL
Fuel Tank	26" Al 50 gal LH U/C	50 gal. single tank on right side

The Town will consider all bids but reserves the right to reject any bids not meeting the minimum specifications and to reject any and all bids. Thank you for your bid. Please complete all items of the bid and bid form. Please call us if you have specific questions.

John C. Carrington, P.E.
Director of Public Works

86,000 LB. ROLL OFF REFUSE TRUCK CHASSIS (COMPLETE) and 75,000 LB Capacity Cable Hoist

This specification calls for furnishing one new, current production model 86,000 lb. GCW roll off refuse truck chassis and 75,000 LB Capacity Cable Hoist for use in refuse hauling and ready for use as specified below. Bidder must complete every space under "Bidder's Proposal" with either a check mark (✓) to indicate the item being bid is exactly as specified or a description to indicate any deviation of the item being bid from the specifications. The Town may reject any bids not meeting the minimum specifications. The Town reserves the right to reject any and all bids and to waive any informality in the bidding.

**86,000 LB. ROLL OFF REFUSE TRUCK CHASSIS (COMPLETE) with
75,000 LB LIFT**

BID ITEM	SPECIFICATION	(✓) or BIDDER'S PROPOSAL
Chassis		
	GVWR: 86000 Front Axle Load (lbs) 20000 Rear Axle Load (lbs) 46000 Wheelbase (in): 277 Cab to Axle (in): 208 Cab to EOF (in): 275	
Frame & Equipment		
	11 5/8 in Steel Rails, Steel crossmembers, To 305in 3/8 in Rail Thickness 11.625 X 3.5 X .38 Rbm =4,524,000 w/3/4 liner Huck Bolt Frame Fasteners 3-Piece C-Channel Crossmember w/Cast Gussets Chassis Hose And Wiring Bundles Conveniently Routed Through Gussets Full Steel Inner Liner Heavy Duty Front Spring Brackets HD Brackets forward and rear Eof Square with crossmember Omit Rear Mudflaps And Hangers (2) Front Tow Eyes With Pins	
Front Axle & Equipment		
	Dana Spicer D2000 20,000 Lb Standard Track 3.5 inch Axle Drop Dana Spicer Es Cam Brakes, 11-1/4in Bolt Circle. Factory Front Axle Alignment Outboard Mounted Brake Drums Zerk Fittings On Tie Rod Ends King Pins, And Draglink Ball Joints Taper Leaf Springs With Heavy Resistance Shocks 20,000 Lbs Power Steering Sheppard SD110 Dual Glidekote Splines On Steering Shaft Php10 Iron Preset Hubs, Cast Drums, 16.5x7 Cam Brakes w/Dust Shields and Long Stroke Brakes Standard Oil Seals Haldex/Dana Auto Slack Adjusters	
Rear Axle & Equipment		
	Dana Spicer D46-170 46,000 Lb with Heavy Wall & Lube Pump Laser Factory Axle Alignment Accurate To .030 Of An Inch Magnetic Rear Axle Oil Drain Plug Outboard Mounted Brake Drums PHP10 Iron PreSet Plus Hubs, Cast Drums, 16.5x7 Brakes Tandem Axles, 46,000 Lb Max Bendix Upsize 3036in Parking Brakes, Both Axles Chicago Rawhide Scotseal Plus XI Oil Seals, Tandem Bendix Smart ATC Traction Control	

BID ITEM**SPECIFICATION****(√) or BIDDER'S PROPOSAL**

Bendix 16.5x7 Cam Brakes, Refuse Service
34-46,000 Lb Axle Eaton Es Non-Asbestos Brake Linings, Gussetted
Cam Brackets, Cast Brake Spiders
Bendix 6S6M Abs, Sbm Valve
Synthetic Axle Lubricant, All Axles
Ratio 5.25 Rear Axle
Hendrickson Haulmax HMX 46,000 Lb, 54in Axle Spacing

Engine & Engine Equipment

Cummins ISX 12 HP 425V@1800, 1650@1100
Includes Alum Flywheel Housing.
Steel Front Engine Support ip Aluminum
Turbo Heat Shield
Delco 160 Amp Alternator
Immersion Type Pre-Heater 110-120v 1500 Watts
Mitsubishi 12v Starter
Key Ignition
Weather Pack Silicone Sealed
Electrical Chassis Connectors
12 Volt System W/Circuit Protection
Wires Numbered Every 4 Inches Or Less
4 East Penn Deka Batteries 2800 cca Threaded Stud Type terminals
Maintenance Free 12v Batteries
Stranded Copper Battery Cables Double Aught (00) Or Larger
The Big Switch Battery Disconnect Switch Mtd On
Battery Box
Horton Fan Clutch 2 speed For ISX
Wabco 18.7 CFM Air Compressor
F/G Fs1000 Superfilter – Frame Mounted
High Efficiency Cooling System
Silicone Radiator Hoses Includes Constant Torque Clamps
Davco High Efficiency Fuel/Water Separator (in addition to STD)
Bugscreen—Removable Type Rad Mtd
Jacobs Brake Engine Compression Brake
Donaldson Air Cleaner Firewall Mounted
Molded Rubber Air Intake Connection
With Lined Stainless Steel Clamps
Constant Torq Hose Clamps On Air Intake Hoses For
Donaldson Air Cleaners.
Single Vertical Exhaust RH Side of Cab(to provide clean BOC)
Stainless Steel Flex Tubing & Clamps
Single Stainless Steel Exhaust Guard Vented
Single Curved Chromed Standpipe 36 inch

Transmission & Clutch

Allison RDS 4000 6 Speed
Includes Rear Trans Support Keypad Shift Controls Dash Mounted.
Magnetic Transmission Oil Drain Plug
1810 Hd Driveline With 2 Midship Bearings
W/4.5in X .180 Wall Tubing
Half Round End Yokes W/Zerk Fittings
Coated Driveshaft Splines
Water-To-Oil Heat Exchange

BID ITEM**SPECIFICATION****(√) or BIDDER'S PROPOSAL**

Allison Auto Neutral When Parking Brake Applied
 Transynd Automatic Fluid For Allison Trans

Air & Trailer Equipment

Bendix AD-IS EP Air Dryer With Heater
 Extended Purge (For Use W/Higher Consumption Applications).
 Includes Spin On Dessicant Cartridge.
 Air Tank Valve Guards
 (3) Berg Pull Cord Drain Valves
 Nylon Chassis Hose
 Braided Chassis Harness Cover
 Rubber-Lined Clamps Along Frame Rail
 Teflon-Lined, Stainless Steel Braided Compressor Discharge Hose
 Aluminum Painted Air Tanks
 RH and LH Frame Clear of Air System Equipment
 For Ease of Body Install
 Body Connections Box
 Trucklite Junction
 Junction Box Contains Light And Power Circuits For Body
 Connections Located EOF LH Frame Rail

Tires & Wheels

Ff: Lft Br 20ply 315/80R22.5 M860
 Rr: Br 14 ply 11R24.5 M799
 Code-Rear Tire Qty 08
 Ff/ Lift Alcoa 893657 Plt 22.5x9.00 Aluminum Whl
 Pilot Mount
 Rr: Alcoa 983637 Plt 24.5x8.25 Aluminum Whl
 Pilot Mt,
 Front tires to be steer tires, and front and pusher wheels to match
 Rear tires shall be traction tires

Fuel Tanks

26in Aluminum 80 Gallon Fuel Tank LH Under Cab With Polished
 Stainless Steel Straps and Stainless Steel Cab Entry Steps
 Steps Must Not Be Strapped to Fuel Tank
 Paddle Handle Filler Cap With Key Lock under Paddle
 Threadless Filler Neck
 DEF Tank Mounted LH BOC
 Wire Braided Fuel Lines
 Fuel Cooler
 Locate Fuel Tank Forward as Far As Possible

Battery Box & Bumper

Alum Battery Box Spacesaver RH Back Of Cab
 Rubber Battery Pad In Bottom Of (1) Battery Box
 Mat In Box That Hlds Batteries Only
 Steel Bumper Swept Back Chromed

Cab & Equipment

Cab must be 100% Aluminum including roof,
 All Aluminum Substructure and 100% Flat Floor

BID ITEM**SPECIFICATION****(√) or BIDDER'S PROPOSAL**

Incls All Alum Panels Using Lap Seam Const, All Alum Doors, Dual Door Stops, Door Locks, Tinted Safety Glass Thru-Out, Cab & Door Mtd Entry Sstl Grab Handles, Sstl Grille w/One Piece Grille Surround, Door Mtd Armrest, Power Windows, Full Insulation, Rubber Floor Mats, Removable Instrument Panel W/ Intergated Speedometer, Tach and Info Center, View Window In Rh Door, Ignition And Doors Keyed Alike

Extruded Aluminum Bulkhead Door Frame
Full Length Piano Type Stainless
Steel Door Hinges And Pins
Rubber Fenders 2 Inch On Hood and Cab Fender
National Air Driver Seat High Back Cloth
High back Non-Air Passenger Seat
3-Point Safety Belt-Driver & Pass
Gray Interior Color
Includes Abs Gray Headliner & Rear Cab Panel,
Extruded Rubber floor Covering
(2) Inside Sunvisors
(2) Interior Grab Handles
Cab to Have No Engine Protusion
18 inch Steering Wheel with Tilt & Telescope
Rear Window Back Of Cab Standard Tint 18.5in X 54in
View Window In Rh Door
Power Windows Rh And Lh Doors
Combo Fresh Air Heater/Air Conditioner
With Radiator Mounted Condenser.
54,500 Btu/Hr Heated/Air Conditioner
Bi-Level Heater/Defroster Controls
Silicone Heater Hoses
Outside Sunvisor Stainless Steel
Stsl Mirror Bracket Cab Mounted w/Wiring Inside of Bracket
West Coast Stainless Steel Mirrors Rh & Lh Heated
Mounted Under 8 Inch Convex, Heated
One (1) Air Horns Painted –Under Cab Mount
Dual Electric Horn
Concert Class Am/Fm/WB w/Bluetooth, USB and MP3 Port
With Two Speakers, Electronic Tuning, 18 Station Presets, Auto-Preset
Scan, Seek Tuning, Tone Control, Balance Control And Fader, Quarts
Clock, Led Lighting.
Washer Bottle Cover W/Shield
Electric Windshield Wipers
With Intermittent Feature
Rain Gutters Over Driver And Passenger Doors
5 Lb 3a:40bc Fire Extinguisher Mounted Inside Cab
Triangle Reflector Kit Shipped Loose
107 dB Backup Alarm
Oil Temp Gauge Trans – Main
For use with Allison Transmission
Water Temp Gauge
Oil Pressure Gauge – Engine
Air Restriction Gauge – Dial Type

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(2) Air Pressure Gauges, Primary and Secondary
 Fuel Filter Restriction Gauge
 Fuel Level Gauge
 (Marker Light) external mounted
 Speedo Elec 0-80 MPH, 0-130 KPH
 Tach Elec 0-3000 RPM Voltmeter
 Headlights Single Pod Mounted
 Hella Vision Plus.
 Omit Stop/Tail/Backup Lights
 Daytime Running Lights
 Directionals Integral in Headlight Assembly
 Side-Mounted Turn Signals
 Solid State Flasher HD
 Windshield 2 piece Flat Glass @ 15 degree
 Rear Window 17 inch X 53 5/8 inch MIN with 2 inch Bump Out

Paint

Color Axalta Imron Elite
 Base Coat/Clear Coat (CAB/HOOD)
 CAB – N0006EA WHITE
 N85200 FRAME N0001EA BLACK
 N85300 WHEEL Aluminum
 Colors subject to revision based on City-specific requirements
 Estimated Chassis Wt: 20400 lbs

Extended Warranty

Engine including Turbo, Water Pump, Injectors, and After Treatment System. 5 Year 200,000 Mile Allison ETC 5 Year Unlimited Miles, 5 year 150 Mile Chassis Manufacturer Basic Vehicle 1

Lift / Pusher Axle

Hendrickson 20,000 lb HLM non steerable lift axle
 48 inch axle spacing from forward drive axle
 PHP 10 Iron LMS Hubs, Cast Drums
 Lift Axle Regulator Mounted Cab Floor LH drivers Seat w/Switch and Gauge in Dash
 Tire and Wheels to Match Front Axle

Cable Hoist - 75,000 lbs capacity

All hoist specs shall be equivalent or better to an American Model Aro-75-24-XT-TRI-S and subject to review by Town of Mansfield
 Hot Shift PTO For Auto Transmission
 Inside Cab Air Controls Toggle Style Function
 Tri Axle Poly Fenders with rear Bumper including light box
 LED Light Kit with Regular Back-Up
 Mid-Body Turn Signals
 24' Hoist upgrade from 22' on XT
 Short Container Stops
 Rear Container Locks
 Bronze Bushings on Side Rollers
 Swivel Cable Hook with Button
 Auto Hooker Locks
 Hydraulic Tarp System

Town of Mansfield
86,000 LB. ROLL OFF REFUSE TRUCK CHASSIS and 75,000 LB CAPACITY CABLE HOIST
Bid Summary

Bidder _____
Name of Firm

Authorized Signature _____ Date _____

Title of Person Signing _____

Firm Address _____ Telephone: _____

Seal
(if corporation)

Total Bid \$ _____
86,000 LB. roll off refuse truck chassis and 75,000 LB
Capacity Cable Hoist complete and as specified