

ADDENDUM NO: 1

REQ NO: 168388

FINAL SUBMITTAL: May 10, 2018 2:00 PM EST

FINAL QUESTIONS: N/A

Department: Fleet Management

Changes to Bid No. 305087:

Attached you will find the updated specifications from the pre-bid held on April 26, 2018

Also, the Bid Opening date will be changed to May 10, 2018 at 2:00 PM EST due to vendors working with manufacturers on warranties as specified.

Req No: 168388 Tri-Axle Dump Trucks

PLEASE SIGN ONE (1) COPY OF ADDENDUM AND RETURN TO THE PURCHASING DEPARTMENT. RETAIN THE OTHER COPY FOR YOUR FILES.

Name: _____

Company: _____

**CITY OF CHATTANOOGA
PURCHASING DEPARTMENT
Mark McKeel
City Hall Suite G13
CHATTANOOGA, TN 37402
TELE: (423) 643-7236
FAX: (423) 643-7244**

**This shall be a 1 year contract to purchase
New and Unused Current Production
Tri-Axle Dump Trucks
For Public Works Fleet with a two year option**

INTRODUCTION

These specifications describe the vehicle and accessories to be purchased by the City of Chattanooga Public Works, Fleet Division. These specifications consist of three parts: (1) Required Features – these requirements must be met without exceptions for a bid to be considered acceptable; (2) Preferred Features – attributes/performance that the City wants. However, exceptions to Preferred Features are allowed with explanation. (The more Preferred Features that are met by a bid, the better the bid.); and (3) Options – additional features/conditions that are optional (i.e., may or may not be offered by Suppliers and may or may not be purchased by the City); Options will be priced as separate line items.

The attached specifications describe the requirements for Tri-Axle Dump Trucks and accessories to be purchased by the City of Chattanooga, Public Works Department Fleet Division. The specifications are intended to be flexible enough for all major manufacturers to comply. The use of manufacturers' names or part numbers in these specifications is not intended to exclude equipment meeting standards equivalent to or greater than the specifications.

Documents to be submitted with Bids:

Using the attached specifications, bidders must indicate either “yes” or “no” to the right of all line specifications in the Section below regarding Preferred Features. Exceptions or “no” responses are to be listed and fully explained on a separate page. Failure to properly document exceptions to the specifications may result in the bid being declared “non-conforming”.

Each bid is to be accompanied by a set of manufacturer's and, as applicable, vendor's specifications. These are to consist of a detailed description of the proposed vehicle/apparatus and equipment. The specifications are to indicate size, type, model and make of all component parts and equipment. A CAD drawing of the proposed vehicle, indicating wheelbase, cab-to-axle and cab-to-end-of-frame measurements is desired.

Bidders shall include copies of all warranty terms and conditions and a list of any exceptions from the warranty, including a list of all wear items not covered by warranty.

Section 1 - Required Features

General Requirements:

- (A) The entire vehicle/apparatus is to conform to D.O.T., FMVSS, NFPA, and OSHA and to the requirements of all other applicable regulatory agencies.
- (B) Parts not specifically mentioned that are necessary to furnish a complete chassis or body/apparatus must have been produced using the automotive industry's best manufacturing practices. This pertains to design, quality of materials, and workmanship.
- (C) Loose and miscellaneous equipment is to be provided only as required by D.O.T and specifications. Fire Extinguisher, Safety Triangles. Mounted in Cab
- (D) All weights and horsepower/torque to transmission ratios to axle ratios shall be approved by vehicle manufacturer, including all detachable components and operations.
- (E) All power train components, assemblies, subassemblies, and component parts shall be designed and constructed with due consideration of the nature and distribution of the load to be sustained and the general character of the service for which the vehicle is designed and to be subjected when placed in service. All parts of the vehicle will be strong enough to withstand the general service under full load. The vehicle will be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair, and complete unit engineering approved.
- (F) All vehicles will be supplied with a line sheet to include as-built and current part numbers of any and all components installed on vehicle.
- (G) The specified vehicle will be capable of reaching and maintaining a minimum speed of 20 MPH on any grade up to and including 25% or 15 degree grade. The vehicle will be capable of attaining a true speed of 35 MPH in 25 seconds and programmed not to exceed 68 MPH.
- (H) A copy of these Specifications shall be delivered with the Equipment...
- (I) A copy of the Invoice must be delivered with the Equipment.
- (J) A Title or M.S.O. must be delivered with the Equipment.
- (K) A Temporary Tag must be provided upon delivery.
- (L) A rear view camera w/color monitor mounted in cab, Camera mounted under rear of Bed
- (M) Master disconnect mounted on battery box with locking capability

Warranty Requirements

- (A) Primary bidder shall be responsible for completion of all warranty repairs for engine, transmission, chassis, and all components installed on this chassis, including body and all items affiliated with it while under any manufacturer's warranty.
- (B) Warranty period to be "bumper to bumper" for three (3) year on the body and chassis, Three (3) year engine, 5 Year (5) transmission and clutch, Three year (3) rear axles, excluding specified wear items.
- (C) Warranty shall start on in-service date, or on the delivery date, if no special training is needed to begin operating vehicle.
- (D) All warranty registrations shall be completed by bidder, and copies shall be provided upon delivery.
- (E) No warranties can be terminated or canceled for any reason during the warranty coverage period as stated in bid.
- (F) The City shall have no responsibility to pay for transport of neither the vehicle nor operator's costs in connection with repairs under any manufacturer's warranty.

Radio Requirements in Cab

- (A) 20 amp continuous circuit power and ground shall be provided with an additional 4 amp ignition feed.
- (B) RG58 Antenna cable with 800 MHz NMO mount and mini UHF connector.
- (C) The Motorola cable part numbers are below:

HAF4013B coax cable includes NMO connector and "Dixie Cup" style antenna
HLN6863B Accessory and fuse holder assembly
HKN4192B Power cable

Section 2 - Preferred Features:

Specification Compliance Questionnaire

2019 MODEL CHASSIS WITH 16'FOOT,16/18 YARD DUMP BODY
NEW -UNUSED CURRENT YEAR MODEL,STRAIGHT TRUCK PROVISION

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

GVWR:

74,000 lbs. Gross Vehicle Weight Rating

Yes____ No____

Yes____ No____

Wheel Base:

TBD by Body Manufacturer

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Yes____ No____

Transmission: Automated

Eaton Ultra Shift Plus VCS model transmission model ;

Yes____ No____
- -MODEL F016E08LL-VCS 10-SPEED ULTRASIFT PLUS TRANSMISSION WITH HILL START AID
FEATURE (FOR VOCATIONAL APPLICATION ENGINE WITH 1650 LB-FT MAXIMUM
TORQUE) WITH SYNTHETIC LUBRICANT AND COBRAHEAD SHIFT LEVER.Yes____ No____
- -**Front Axle:**

Meritor 20,000 lbs. rating

Yes____ No____

Dual power steering gears with radiator mounted air to oil power steering cooler

Yes____ No____

Front springs taper leaf 20,000 rated with shock absorbers

Yes____ No____

Spring pin adjuster

Yes____ No____

Front hub piloted 20,000 lbs. 10 bolt

Yes____ No____

Front axle automatic slack adjusters

Yes____ No____

Front low maintenance hub package with Conmet Preset Hub Package

Yes____ No____

Front vented hub caps

Yes____ No____

Curb to Curb 38'

Yes____ No____
- -**THREE REAR AXLES (TRI AXLE):**

Dual rear axles Meritor 46,000# with 4.30 ratio

Yes____ No____

Steerable 13,500lb rated pusher axle: Watson-Chalin SL1190 (Factory Installed)

Yes____ No____

Parking brake chambers on all four wheels

Yes____ No____

Dual rear hubs aluminum hub piloted 46,000 lbs. 10 bolt

Yes____ No____

Road speed geared to 68 mph.

Yes____ No____

Dual rear low maintenance hub pkg. Conmet Preset Hub package

Yes____ No____

Dual rear axle automatic slack adjusters

Yes____ No____

Wheel Differential Lock, Forward rear axle and Rear axle(Cross lock capable)

Yes____ No____

Rear suspension tandem Hendrickson HMX460 lbs. rated with 54in. Axle space w/shocks

Yes____ No____
- -

Wheels:

All wheels aluminum including pusher axle, outer exposed wheels polished

Yes____ No____

Front wheels aluminum two (2) hub pilot mount 10,000 lb. each rating

Yes____ No____

Pusher wheels Two (2) hub pilot mount-10 bolt

Yes____ No____

Rear wheels eight (8) hub pilot mount - 10 bolt

Yes____ No____

— —

Tires: Michelin

Front tires two (2) 425/65R22.5 20PR wide-base tire with curb protection bar

Yes____ No____

Steer pusher axle tires 11R24.5 16Ply with side wall protector bar

Yes____ No____

Rear axle tires eight (8) 11R24.5 16Ply pickup and delivery type tires MICHELIN® X®

— —

™ Front-XZY3, Pusher XZE2 and Rear HXDEMS® TIRE

Yes____ No____

— —

Brakes: Meritor

18.7 CFM Air Compressor

Yes____ No____

Air brakes with 6sS/6M anti-lock brake system with air traction control (ATC)

Yes____ No____

Air dryer heated with extended purge With heated auto spitters on air tanks

Yes____ No____

Air dryer frame mounted

Yes____ No____

Steel air brake reservoirs with air spitter valves

Yes____ No____

Low air pressure light and buzzer

Yes____ No____

Primary and Secondary air pressure gauges

Yes____ No____

Rear brake valve, hand control-spring loaded

Yes____ No____

Front axle brakes Air Disc Brakes 20,000lb Minimum rated

Yes____ No____

Pusher axle brake 15X4 with cast brake drum

Yes____ No____

Rear tandem axle brakes 16-1/2in. 46,000 lbs. extended service S-Cam

Yes____ No____

Warning light for parking brake

Yes____ No____

— —

Fuel Tanks:

110 gallon polished fuel tank left side under cab with aluminum steps

Yes____ No____

Anti-Roll channel for fuel tank

Yes____ No____

— —

Cab: Adjustable Telescoping tilt steering column

| | | |
|--|---------|--------|
| | Yes____ | No____ |
| One piece windshield | Yes____ | No____ |
| Grab handles LH/RH | Yes____ | No____ |
| Sloped hood with split fenders W/Fender close out below headlamp | Yes____ | No____ |
| Aluminum Cab steps RH and LH | Yes____ | No____ |
| Air Cab Suspension | Yes____ | No____ |
| Heater (48,000 BTU),defroster and air conditioner | Yes____ | No____ |
| Dual rectangular air horn 26" LH/RH top of roof mounted with air horn covers | Yes____ | No____ |
| Six spare switches wired to power & dash mounted | Yes____ | No____ |
| Two speed windshield wipers with intermittent feature and windshield washers | Yes____ | No____ |
| Gauges: Engine temp, fuel filter restriction, rear dual axle oil temp (2-gauges), transmission temp, volt meter, primary and secondary air tank reservoir gauge, air application , hour meter, speedometer, tachometer and fuel gauge & warning lights | Yes____ | No____ |
| Daylight doors with power window RH door | Yes____ | No____ |
| Rear cab window stationary minimum 19in.x36in. Dual West Coast mirrors w/7in.x13in convex Chromed, electronic control on door pad side mirrors plus CX Mirrors 6"X7" | Yes____ | No____ |
| CB installation kit center mounted of header with dual antenna and leads to mirror bracket | Yes____ | No____ |
| Radio AM/FM with antenna mounted on Mirror Bracket LH | Yes____ | No____ |
| Driver air seat air cushion high back vinyl with dual armrest | Yes____ | No____ |
| Rider seat high back vinyl mounted on tool box (not air)with dual armrest | Yes____ | No____ |
| Interior color black or dark gray | Yes____ | No____ |
| Elite Right & Left and electric right door window & Mirror with switch control located on door | Yes____ | No____ |
| Stainless steel exterior sun visor with five led marker lights | Yes____ | No____ |
| 4-1/2in rubber wheel well fender extension to cover wide base steer tires | Yes____ | No____ |
| Interior upholstered sides and back panels with stitched lines, upholstered door panels, full vinyl headliner, black dash panels, and black rubber floor mats DR. & Pass | Yes____ | No____ |
| Glove box | Yes____ | No____ |
| Fire Extinguisher mounted on cab floor left of driver's seat | Yes____ | No____ |
| Safety Triangles | Yes____ | No____ |
| Fender mounted convex mirrors RH & LH - Tri Pod mounted | Yes____ | No____ |

LIGHTS:

All lights to have L.E.D. lighting.

One each, LED Amber in upper rear of bed and 4 Amber flashing Lts. In Grill

Yes____ No____

Yes____ No____

Day time running lights.

Yes____ No____

All lighting must meet all DOT standards.

Yes____ No____

Automatic back-up lights

Flush-mounted stop/tail/backup lights, mounted inside frame rail.

Positioned for Asphalt Spreader

Yes____ No____

Yes____ No____

Halogen spotlight left hand cab mounted

Yes____ No____

One light mid back of cab flush mounted

Yes____ No____

Fog lights clear lens bumper mounted with rock screens

Yes____ No____

Led exterior sun visor marker lights mounted on Cab

Electrical:

Four batteries with minimum 2800 CCA ,threaded post

Yes____ No____

160 amp alternator.

Yes____ No____

All wiring circuits protected with either circuit breakers or fuses.

Yes____ No____

Must be color coded or numbered.

Yes____ No____

Jump start terminals under hood

Yes____ No____

Truck, stop, tail and turn signals 44 LED lights includes two LED backup lights

Yes____ No____

Interrupt switch for marker lights

Yes____ No____

Electric trailer/lights accommodation package to rear of frame; for Combined trailer stop, tail, turn, marker light circuit; includes electric trailer brake accommodation package with cab connections for mounting customer installed electric unit, less trailer socket

Yes____ No____

CHASSIS FRAME COMPONENTS:

| | | |
|--|----------|---------|
| Frame rails with 103/4x31/2X3/8in. Minimum w/steel Full frame insert | Yes_____ | No_____ |
| Steel frame minimum RBM to be at least 3,281,000in-lb. PSI | Yes_____ | No_____ |
| Bumper tapered polished aluminum channel | Yes_____ | No_____ |
| Center mounted cast front tow hook | Yes_____ | No_____ |
| Extra wide front mud flaps for use with wide base front tires | Yes_____ | No_____ |
| Battery box aluminum cantilever BOC on frame w/black fiber glass cover | Yes_____ | No_____ |
| DPF RH under cab mounted with polished diamond plate cover w/alum. Steps | Yes_____ | No_____ |
| Rear mud flap arms Betts B-25 with black plastic mud shields | Yes_____ | No_____ |
| Square end of frame with cross member | Yes_____ | No_____ |

Paint:

| | | |
|---|----------|---------|
| Cab to be White | Yes_____ | No_____ |
| Frame to be painted Viper Red | Yes_____ | No_____ |
| 16 ft. Dump body painted Viper Red to match frame | Yes_____ | No_____ |

COMPLETE 16FT LONG DUMP BODY: Minimum AR400

| | | |
|--|----------|---------|
| Body Type: Contractor's material for mounting on 130" - 135" cab to center tandem axle | Yes_____ | No_____ |
| SIZE: 16 feet long, 7'4" wide on sides, 46" high sides, 52" high tailgate with 6"pockets Front and rear. | Yes_____ | No_____ |
| CAPACITY; 16/18 cubic yards Minimum AR400 material | Yes_____ | No_____ |
| MATERIAL: 3/16" AR 400 steel in sides, front and tailgate. 2 X 4 X 1/4" tubing cross members Hoist well to be no less than 3/16" AR 400 steel. 1/4" AR 400 floor, continuous welding. | Yes_____ | No_____ |
| Chamfer strips on inside corner of body. Deflector plate outside, no less than 7 Rectangular side posts on each side excluding rear. No less than two 5"x2" rectangular tubing longitudinal, No less than 4 vertical braces in tailgate and 3 Horizontal braces. HD Forged lower latches. HD top body hardware. Prime painted plus painted Viper Red | Yes_____ | No_____ |
| EXTRAS: cab shield to be 20" long. Walk rod full length of body both sides. Tailgate to be double acting with chains, pins inside tailgate. Air latch, two way barn door hinged on curb side; Straight; Steps up front sides of body. | Yes_____ | No_____ |

| | | |
|---|----------|---------|
| Lights, reflectors and mud flaps per Federal Motor Vehicle Safety Std | Yes_____ | No_____ |
| #108. Safety support struts, and back-up alarm per OSHA#1926.601. | Yes_____ | No_____ |
| 8" push bumper. W/3" sch. 80 pipe. Electric tarp assembly, Straight tailgate; 8" Steel side boards. | Yes_____ | No_____ |
| PH 410-1 Pintle Hitch, w/truck kit. Electric brake control in cab. | Yes_____ | No_____ |
| HOIST TYPE: Single front mounted telescopic cylinder with minimum 48-degree dump angle with pull out cable. | Yes_____ | No_____ |
| CAPACITY: 7:-4 stage 135" stroke. 8" diameter | Yes_____ | No_____ |
| PUMP: Minimum capacity 31 gallon per minute at 1200 rpm. Relief valve equipped. | Yes_____ | No_____ |
| CONTROLS: AIR PTO, Air controls, wide reinforced center console, all controls between seats | Yes_____ | No_____ |
| HOIST FRAME: Not less than 8" at 11.5lb. Structural steel channel | Yes_____ | No_____ |
| OIL TANK: Not less than industry standards needed for gallon capacity | Yes_____ | No_____ |
| POWER TAKE-OFF: Heavy duty. Direct mount | Yes_____ | No_____ |
| MOUNTING: The dump bed shall be mounted 3" back of the truck cab. The front mounting brackets on each side of the frame shall be drilled and not bolted, not welded to the frame. (HUCK Bolted) | Yes_____ | No_____ |
| Vibrator- bed will include a vibrator with a timer mounted in console preset for 7 seconds. | Yes_____ | No_____ |
| Delivery | | |
| 120 DAY DELIVERY DATE TO BE DELIVERED TO Fleet | Yes_____ | No_____ |

Section 3 - Options to Bid

Bidders are requested to provide pricing for the following options:

(A) Provide price for 5-year warranty on body, cab, power train (exclude engine & Aftertreatment), excluding specified wear parts:

Price: \$ _____.

(B) Provide price for 10-year warranty on Frame:

Price: \$ _____.

(C) Provide Five year/ 100,000 miles Engine warranty PP1 to include emissions

Price: \$ _____.



Options:

Hydraulic Pump, Reservoir, Filter, Valve, and Hoses for Hydraulic V- Box Spreader w/steel lines (Installed) with hold downs every 4' and quick couplings at rear above Pintle hitch.

Yes _____ No _____ Price \$ _____

Locate operating controls in truck cab in position convenient for driver on center console with all necessary braces. No hydraulic lines shall be installed inside cab. Controls must be clearly marked for spinner and feed as well as having a snow/dump mode with indicator light displaying mode Yes _____ No _____ Price \$ _____