

City of Chattanooga

Addendum #1

R143045 / B304459

Tri-axle Dump Trucks

(1) The specifications have been changed. Revised specifications are attached.

(2) The due date for Bids is unchanged. Sealed Bids should be delivered to the Purchasing Office by 2:00 PM on October 18, 2016.

Bidders should acknowledge receipt of this Addendum by signing below and submitting a signed copy of this Addendum with their Bids.

Receipt of this Addendum is acknowledged by \_\_\_\_\_

on behalf of \_\_\_\_\_  
Supplier

**City of Chattanooga  
Public Works Department  
Water Quality Section**

**Specifications for  
Two (2) New and Unused Current Production  
Tri-Axle Dump Trucks**

**INTRODUCTION**

These specifications describe the vehicle and accessories to be purchased by the City of Chattanooga City Wide Services Division, Water Quality Section. 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 Wide Services Division of Public Works, Water Quality Section. 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.
- (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 Minimum 5" monitor

### 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 one (1) year on the body and chassis, Two (2) 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 and Tessco cable part numbers are below:  
Mirror Bracket P/N 98998 – Antenna P/N 304196 – Brass mount P/N 422966

coax cable includes NMO connector and "Dixie Cup" style antenna  
HLN6863 Accessory and fuse holder assembly  
HKN4192 Power cable



Front low maintenance hub package with Conmet Preset Hub Package  
 Front vented hub caps  
 Curb to Curb 38'

Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

### THREE REAR AXLES (TRI AXLE):

Dual rear axles Dana Spicer D46-170HP with 4.30 ratio  
 Steerable 13,500lb rated pusher axle: Watson-Chalin SL1190 (Factory Installed)  
 Parking brake chambers on all four wheels  
 Dual rear hubs aluminum hub piloted 46,000 lbs. 10 bolt  
 Road speed geared to 68 mph.  
 Dual rear low maintenance hub pkg. Conmet Preset Hub package  
 Dual rear axle automatic slack adjusters  
 Wheel Differential Lock, Forward rear axle and Rear axle(Cross lock capable)  
 Rear suspension tandem Hendrickson HMX460 lbs. rated with 54in. Axle space w/shocks

Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

### Wheels:

All wheels aluminum including pusher axle, outer exposed wheels polished  
 Front wheels aluminum two (2) hub pilot mount 10,000 lb. each rating  
 Pusher wheels Two (2) hub pilot mount-10 bolt  
 Rear wheels eight (8) hub pilot mount - 10 bolt

Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

### Tires: Michelin

Front tires two (2) 425/65R22.5 20PR wide-base tire with curb protection bar  
 Steer pusher axle tires 11R24.5 16Ply with side wall protector bar  
 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 \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

### Brakes:

18.7 CFM Air Compressor  
 Air brakes with 6sS/6M anti-lock brake system with air traction control (ATC)  
 Air dryer heated with extended purge With heated auto spitters on air tanks  
 Air dryer frame mounted  
 Steel air brake reservoirs with air spitter valves  
 Low air pressure light and buzzer  
 Primary and Secondary air pressure gauges  
 Rear brake valve, hand control-spring loaded  
 Front axle brakes Air Disc Brakes 20,000lb Minimum rated  
 Pusher axle brake 15X4 with cast brake drum  
 Rear tandem axle brakes 16-1/2in. 46,000 lbs. extended service S-Cam  
 Warning light for parking brake

Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

### Fuel Tanks:

110 gallon polished fuel tank left side under cab with aluminum steps  
 Anti-Roll channel for fuel tank

Yes \_\_\_\_\_ No \_\_\_\_\_  
 Yes \_\_\_\_\_ No \_\_\_\_\_

**Cab: Adjustable Telescoping tilt steering column**

One piece curved 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 peeper window RH door	Yes _____	No _____
Rear cab window stationary minimum 19in.x36in.	Yes _____	No _____
Dual Aerodynamic mirrors w/7in.x13in convex Chromed, electronic control on door pad side mirrors cowl mounted 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 _____
Day time running lights.	Yes _____	No _____
All lighting must meet all DOT standards.	Yes _____	No _____
Automatic back-up lights	Yes _____	No _____
Flush-mounted stop/tail/backup lights, mounted inside frame rail.		
Positioned for Asphalt Spreader	Yes _____	No _____
Halogen spotlight left hand cab mounted	Yes _____	No _____
One set Flood lights 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	Yes _____	No _____

**Electrical:**

Four batteries with minimum 2800 CCA ,threaded post  
160 amp alternator.

All wiring circuits protected with either circuit breakers or fuses.

Must be color coded or numbered.

Jump start terminals under hood

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

Interrupt switch for marker lights

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 \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

**CHASSIS FRAME COMPONENTS:**

Frame rails with 103/4x31/2X3/8in. Minimum w/steel Full frame insert

Steel frame minimum RBM to be at least 3,281,000in-lb.

Bumper tapered polished aluminum channel

Center mounted cast front tow hook

Extra wide front mud flaps for use with wide base front tires

Battery box aluminum cantilever BOC on right side frame w/black fiber glass cover

DPF RH under cab mounted with polished diamond plate cover w/alum. Steps

Rear mud flap arms Betts B-25 with black plastic mud shields

Square end of frame with cross member

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

**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.

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 \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

**Paint:**

Cab to be White

Frame to be painted Viper Red

16 ft. Dump body painted Viper Red to match frame

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Rogers is the Preferred Bed

**COMPLETE 16FT LONG DUMP BODY: Minimum AR400**

Body Type: Contractor's material for mounting on 130" - 135" cab to center tandem axle

SIZE: 16 feet long, 7'4" wide on sides, 46" high sides, 52" high tailgate with 6"pockets  
front and rear.

CAPACITY: 16/18 cubic yards Minimum AR400 material

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 \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_

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, 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 31 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 pre set for 7 seconds.

Yes\_\_\_\_\_ No\_\_\_\_\_

### **Delivery**

90 DAY DELIVERY DATE TO BE DELIVERED TO CWS

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, and emissions equipment, excluding specified wear parts:

Price: \$ \_\_\_\_\_.

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

Price: \$ \_\_\_\_\_.

(C) Provide Five year/ 100,000 miles Engine and Emissions warranty

Price: \$ \_\_\_\_\_.

