

**Addendum #1**

**INVITATION FOR BIDS**



**Cab, Chassis & Utility Body, 19,000 lb GVW**

**IFB #2010- 5604 -2012**

April 20, 2010

City of Newport News

Office of the Purchasing Director

2400 Washington Avenue

Newport News, VA 23607

**Phone: (757) 926-8035/ Fax: (757) 926-8038**

<http://www.nngov.com/purchasing>

Please note the specifications, drawings and photographs on the following pages that shall become part of the IFB:

Acknowledge and return with bid.

Company Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**SPECIFICATIONS FOR PURCHASE OF A  
19,000 LBS GVW 4 x 2  
CAB & CHASSIS  
WITH UTILITY BODY**

**Truck Specifications**

**GENERAL  
SPECIFICATIONS**

***CITY PROPOSED***

***BIDDER SHALL  
SPECIFY\****

1. Type	Minimum 19,000 lbs. GVW Super Duty, dual rear wheel, two-wheel drive, GCWR 33,000 lbs. with utility body and all standard options.	_____
2. GVW	Bidder to specify largest payload available.	_____
3. GCWR	33,000 lbs. required.	_____
4. Towing capacity	Capable of towing a 14,000 lbs. GVWR trailer.	_____
4. Wheel base	Approximately 176"	_____
6. Cab to axle	Approximately 84"	_____
7. Fuel	Diesel	_____
8. Engine	Bidder to specify standard diesel engine and specifications.	_____
	List any optional diesel engines and specifications.	_____
9. Transmission	Heavy duty automatic with <b>PTO provision</b> is required. Bidder to specify make and model:	_____
	Auxiliary cooler required.	_____
10. Air conditioning	Factory installed.	_____
11. Front & rear axles and suspension	Standard for GVW package.	_____
	Bidder to specify:	
	Front axle capacity.	_____
	Rear axle capacity.	_____
	Limited slip rear axle required.	_____

	Dual rear wheels required.	_____
12. Front and rear Springs	Max. capacity for GAVWR package.	_____
13. Shock absorbers	Heavy duty front and rear required.	_____
14. Tow package	4 and 7 pin factory trailer brake wiring and connectors required.	_____
	Factory installed integrated electric brake controller required.	_____
15. Fuel tank	Largest capacity available with tank location aft of rear axle.	_____
	Bidder to specify capacity.	_____
16. Brakes	4 wheel ABS required.	_____
	Front and rear disc preferred.	_____
17. Cooling system	Heavy duty cooling required.	_____
18. Charging system	95 Amp minimum required. Bidder to specify amps.	_____
19. Electrical	Dual heavy duty batteries required.	_____
	Largest CCA available.	_____
	Four factory installed up fitter switches.	_____
	Cruise control, am/fm radio, and intermittent wipers required.	_____
20. Seats	Bench with heavy duty vinyl.	_____
21. Side mirrors	Manually telescoping trailer tow w/manual glass and two-way fold.	_____
22. Wheels	Standard for GVW.	_____
23. Tires	Premium quality radials with all season tread.	_____
24. Mud flaps	Anti sail required on rear.	_____

25. Accessories

Vehicle to be equipped with all standard equipment and accessories NO DELETIONS.

Tilt steering wheel required.

26. Interior color

To be selected from manufacturer's standard colors.

27. Exterior color

To be selected from manufacturer's standard blue colors.

Bidder to submit manufacturer's standard color chart with bid response.

All paint is required to meet OEM standards and be factory applied.

Any installed optional equipment is to be painted, with color match guarantee, the same color as the cab.

28. Optional Equipment

Price and availability of upgrading front and rear sway bars.

List any green innovations available for the vehicle.(hybrid technology, environmentally friendly fluids, etc.)

29. Delivery

Vehicle to be delivered with the following:

Current State Inspection.

VA State DMV Form 17.

Certificate of Origin.

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Invoice.

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Operators manual.

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Temporary license plates.

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Four sets of keys.

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Complete set of vehicle  
manufacturer's CD/Manuals  
to include electrical manual.

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Vehicle to be delivered to:

Waterworks Operations Center  
425 Industrial Park Dr  
Newport News, VA 23608

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## Utility Body Specifications

### General Specifications

### City Proposed Specifications

### \*Dealer Proposed Specifications

#### 1. Body

The service body provided must meet all VDOT and FDOT regulations.

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The successful bidder shall design and install the body to conform to the 2010 Ford F-550 Super Duty chassis weight distribution guidelines for both the front and rear axles of the vehicle.

\_\_\_\_\_

The body must be fully operational at the time of delivery.

—

Service body to be built from 14 GA A40 body panels constructed on an understructure of multiple cross members of 11 GA HY50 formed channels.

—

All body parts to be electrically welded into one integral unit.

\_\_\_\_\_

Specifications are based on a modified Knapheide model # 6132D54J dual wheel service body or approved equal. Bidder shall identify manufacturer and model # of body being offered.

\_\_\_\_\_

Bidder shall provide conceptual drawings for body & options offered.

\_\_\_\_\_

Production drawing(s) will be required from the successful bidder for approval prior to construction.

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General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

2. Understructure

Front cross member 11 gauge HY50 commercial grade steel channel - floor width.

Rear cross member 11gauge HY50 commercial grade steel channel - floor width.

11 gauge HY50 commercial grade steel full width channel cross members fore and aft of the wheelhouse panel.

Intermediate cross members; one (1) front floor width 11 gauge HY50 commercial grade steel channels.

Center frame reinforcement; three (3) 11 gauge HY50 commercial grade steel channel - full length longitudinal reinforcements.

3. Floors

1/8" safety tread plate steel.

Drain holes are required.

4. Storage  
Compartment  
Doors

Double panel construction  
20 GAUGE A40 two-sided  
galvannealed steel - or equal. Bidder  
shall specify.

Exterior panel 20 gauge A40 two sided  
galvannealed steel - or equal. Bidder  
shall specify.

Interior panel 20 gauge A40 two sided  
galvannealed steel - or equal. Bidder  
shall specify.

General Specifications

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All vertical compartment doors are to be equipped with a spring loaded door holder. \_\_\_\_\_

Adhesive backed automotive door seals. \_\_\_\_\_

5. Locks Spring loaded Master Locking system. \_\_\_\_\_

Rotary latch type – corrosion resistant zinc coated steel or equal. Bidder to specify. \_\_\_\_\_

6. Door Hinges Securely bolted or riveted in place. Continuous Stainless Hinges \_\_\_\_\_

steel hinge bracket is to include one (1) type 316 stainless steel bushing insert. \_\_\_\_\_

Each removable sta

Securely bolted or riveted in place. \_\_\_\_\_

7. Striker Plates Adjustable 2-stage safety catches are required on all doors. \_\_\_\_\_

8. Body Sides 14 gauge A40 two sided galvanized steel - or equal. Bidder shall specify. \_\_\_\_\_

9. Front Bulkhead 14 gauge A40 two sided galvanized steel - or equal. Bidder shall specify. \_\_\_\_\_

Skip welded in place. \_\_\_\_\_

Die-formed reinforcing rib. \_\_\_\_\_

<u>General Specifications</u>	<u>City Proposed Specifications</u>	<u>*Dealer Proposed Specifications</u>
10. Front Panels	14 gauge A40 two sided galvanized steel - or equal. Bidder shall specify.	—
11. Second Front	14 gauge A40 two sided Partitions galvanized steel – or equal. Bidder shall specify.	_____
12. Horizontal	14 gauge A40 two sided Compartment Base galvanized steel - or equal. Bidder shall specify.	_____
13. Compartment Tops	Covered with 1/8” commercial deck plate - or equal. Bidder shall specify.	—
14. Front	14 gauge A40 two sided Compartment galvanized steel – or Base equal. Bidder shall specify.	_____
15. Second Rear	14 gauge A40 two sided Partitions galvanized steel – or equal. Bidder shall specify.	_____
16. Rear Compartment	14 gauge A40 two sided Base galvanized steel – or equal. Bidder shall specify.	_____
17. Rear Panels	14 gauge A40 two sided galvanized steel - or equal. Bidder shall specify.	_____
18. Wheelhouse Panel	14 gauge A40 two sided (Flush Type) galvanized steel - or equal. Bidder shall specify.	_____
	Steel or rubber formed flares on wheel openings.	_____

<u>General Specifications</u>	<u>City Proposed Specifications</u>	<u>*Dealer Proposed Specifications</u>
19. Wheel Boxes	12 gauge HY50 Steel.	<hr/>
20. Shelves	18 gauge G40 minimum spangle galvanized steel.	<hr/>
	All horizontal shelving to be slotted on 2" centers for dividers.	<hr/>
	All horizontal shelves to have approx. 2" lip.	<hr/>
	The six (6) vertical compartments shall contain two shelves each, twelve (12) required.	<hr/>
	The two (2) horizontal compartments above the wheel wells shall contain one shelf each; two (2) required.	<hr/>
	All shelves to be removable, adjustable and lock in place.	<hr/>
	All shelves to be rated at a 200 lb. capacity required.	<hr/>
21. Dividers	20 gauge G40 minimum spangle galvanized steel - or equal. Bidder to specify.	<hr/>
	Adjustable and removable.	<hr/>
	80 dividers to be supplied At time of delivery.	<hr/>
22. Compartments	All compartments to be equipped with drain holes.	<hr/>
	All compartments must have a 2" maximum lip across bottom.	<hr/>

General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

	Waterworks approved LED strip lighting installed on the door jambs of all street and curbside compartments controlled by one up fitter switch inside the cab of the vehicle.	_____
23. Sub-floor	Incorporate an 8” high Compartment sub-floor constructed of 12 gauge commercial grade steel with rear, latchable, access door. Drain holes are required.	_____
	Sub-floor has to be divided into four separate compartments with varying lengths and widths. See attached drawing #1 for dimensions.	_____
24. Tailgate	Provide and install a standard 12” high slam action rear tailgate.	_____
	Tailgate - 14 gauge A40 two sided galvanized steel - or equal. Bidder to specify.	_____
	Tailgate hinge brackets - 12 gauge A40 two sided galvanized steel - or equal. Bidder to specify.	_____
25. Bumper	Fabricate a full width rear bumper/shovel box to be 20” deep by 12” high.	_____

General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

Bumper to have two lids opening at a 90 degree angle with (2) each gas struts on each lid. Lid dimensions on left side are 24" long X 18" wide. right side lid dimensions are 60" long X 18" wide.

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Lids to have full mortise type hinges installed on tach lid required.

\_\_\_\_\_

Lids shall be made with at least 3/16" diamond plate steel.

\_\_\_\_\_

Bumper to have removable dividers installed. One divider installed at left furthest most point of right side lid. Other divider to split the rest of the compartment in half.

\_\_\_\_\_

Bumper to have latchable access doors on each end for ease of cleaning out materials and (2) each T handle twist latches required.

\_\_\_\_\_

Two ridged mounted steps on either side hitch for access to bed of service body required.

\_\_\_\_\_

26. Storage Box

Storage box to be With Lid incorporated into design of service body with the following dimensions. 48"W X 36"D and lid to be flush with top of service body.

\_\_\_\_\_

General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

27. Air Compressor

Box to be installed in the front of the bed with a 6"W x 40"H x 36"D pocket incorporated into the design of the box on the left side to hold Waterworks "valve keys."

\_\_\_\_\_

Storage box lid to be held open at a 90 degree angle with (2) each gas struts.

\_\_\_\_\_

Lid to have the ability to be opened and closed with a latch type opening device and be lockable.

\_\_\_\_\_

Ingersol Rand VHP40RMH above deck air compressor module mounted in an agreed upon location by Waterworks.

\_\_\_\_\_

Switch to be mounted in the cab of the vehicle and wired to the factory up fitter switches.

\_\_\_\_\_

Air compressor to have an automatic water separator and oiler in line before the hose reel at an agreed upon location by Waterworks required.

\_\_\_\_\_

Please advise if an air storage tank is required for running a 1/2" air impact and air grinders.

\_\_\_\_\_

Air compressor to be fully operational and providing 130 psi of air at time of delivery.

\_\_\_\_\_

28. Trailer Hitch

Minimum Class V Reese style hitch with a 15,000 lb. weight rating.

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General Specifications

City Proposed Specifications

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The hitch insert is to be removable and equipped with a combination pintle and 2 5/16" ball. Hitch is to be mounted 18" to 20" from the ground and rated at 15,000 lbs. or greater required.

\_\_\_\_\_

Two, 3" D-rings for trailer safety chains are required.

\_\_\_\_\_

Two each trailer electrical connections Cole Hersee #1235 & #12080 with B/U signal wires and mounted at an agreed upon location by Waterworks is required.

\_\_\_\_\_

29. Accessories

Backup alarm with at least an 87 decibel rating is required.

\_\_\_\_\_

Installation of an automatic 1/2" hose reel with 50' of hose in the rear curbside compartment is required. Hose to be thru rear of body with a roller guide assembly, a stop attached to the hose, and a Milton #715 fitting required.

\_\_\_\_\_

Two aluminum chock blocks and holders in curbside wheelhouse panel.

\_\_\_\_\_

Four stainless steel grab handles, 2 inside of body and 2 on outside of body, at an agreed upon location is required.

\_\_\_\_\_

Purchase and installation of a Ridgid yoke pipe bench vise Model #25/40100 mounted in the left rear corner of the service body at an agreed upon location by Waterworks.

\_\_\_\_\_

General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

30. Lighting

Body lighting to meet FMVSS108 standards. LED lighting where possible.

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License plate light and tag mounting bracket.

\_\_\_\_\_

Recessed 4" round rear brake, directional and backup LED lights are required.

\_\_\_\_\_

Whelen Model #TA1252L arrow board mounted on a Backrack style bracket.

Control box to be located in cab of the vehicle. Location to be determined by Waterworks.

\_\_\_\_\_

One Whelen 1200D strobe beacon controlled by one up fitter switch in the cab on the vehicle. Unit to be mounted on threaded pipe and mount to Backrack. Strobe light to provide 360 degree visibility required. Location to be agreed upon by Waterworks.

\_\_\_\_\_

Whelen PAR 36 Super-LED flood light Model #PFBP12 controlled by one up fitter switch in the cab of the vehicle. Light to be mounted left rear corner at an agreed upon location

All electrical wiring for lights is required to be housed in a wiring loom and **ALL** connections made with heat shrink butt connectors **NO** scotch locks.

\_\_\_\_\_

General Specifications

City Proposed Specifications

\*Dealer Proposed Specifications

All exposed electrical wiring with or without wire loom is to be protected with metal conduit or equivalent required.

\_\_\_\_\_

Side and rear marker lights and reflectors meeting VDOT standards are required.

\_\_\_\_\_

31. Primer (Body

Interior and exterior phosphatized automotive rust prior to primer inhibiting primer. application)

\_\_\_\_\_

32. Paint

Body including bed, door jams, and inside of sub floor are to be painted same color as cab of truck.

\_\_\_\_\_

Inside of compartments are to be painted standard finish grey.

\_\_\_\_\_

**COLOR MATCH IS TO BE GUARANTEED.**

\_\_\_\_\_

Bumper, lid and all other Applicable components are to have 3 (+) millimeters pure molten zinc applied before the primer.

\_\_\_\_\_

Bumper, lid, and all other applicable special bumper components are to be painted black.

\_\_\_\_\_

Top on bumper to be coated with black anti skid urethane paint.

\_\_\_\_\_

<u>General Specifications</u>	<u>City Proposed Specifications</u>	<u>*Dealer Proposed Specifications</u>
33. Undercoating	Entire understructure of truck body to be undercoated and warranted for 5 years/50,000 miles.	_____
34. Guarantee	Body and installation to include all materials, paint, and workmanship to be guaranteed free from defects for a minimum of two (2) years.	_____
35. Successful	A complete parts manual Bidder Will and ordering information Provide at Time of Delivery for repair of body.	_____
	Complete operators, parts, and service manuals for the Whelen TA1252L arrow board, IMT 1015 crane, and Ingersol Rand above deck compressor VHP40RMH are required.	_____
	Parts and operations manuals for the PTO and hydraulic pump.	_____
36. Optional	Remote locking system to Equipment lock the service body compartments simultaneously.	\$ _____
	Upgrade to stainless steel latches on all compartment doors.	\$ _____
	IMT model #1015 telescopic crane, outriggers, body upgrade for right rear corner mounting, hydraulics, Manual out/crank down outriggers, electrical, and all cost associated with crane being fully operational at time of delivery.	\$ _____

General Specifications

City Proposed Specifications

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Upgrade service body with pull out parts trays in the second vertical compartment on road & curbside. Pull out trays are to be the entire height of the service body.

\$ \_\_\_\_\_

Upgrade service body with pull out parts trays in the left front roadside compartment. Pull out trays are to be the entire height of the service body.

\$ \_\_\_\_\_

Line X or equivalent rubber coating of the entire service body bed.(floor & both sides)

\$ \_\_\_\_\_

Line X or equivalent rubber coating of the entire top of the service body.

\$ \_\_\_\_\_

Purchase and install Waterworks approved step rails on both sides of vehicle.

\$ \_\_\_\_\_

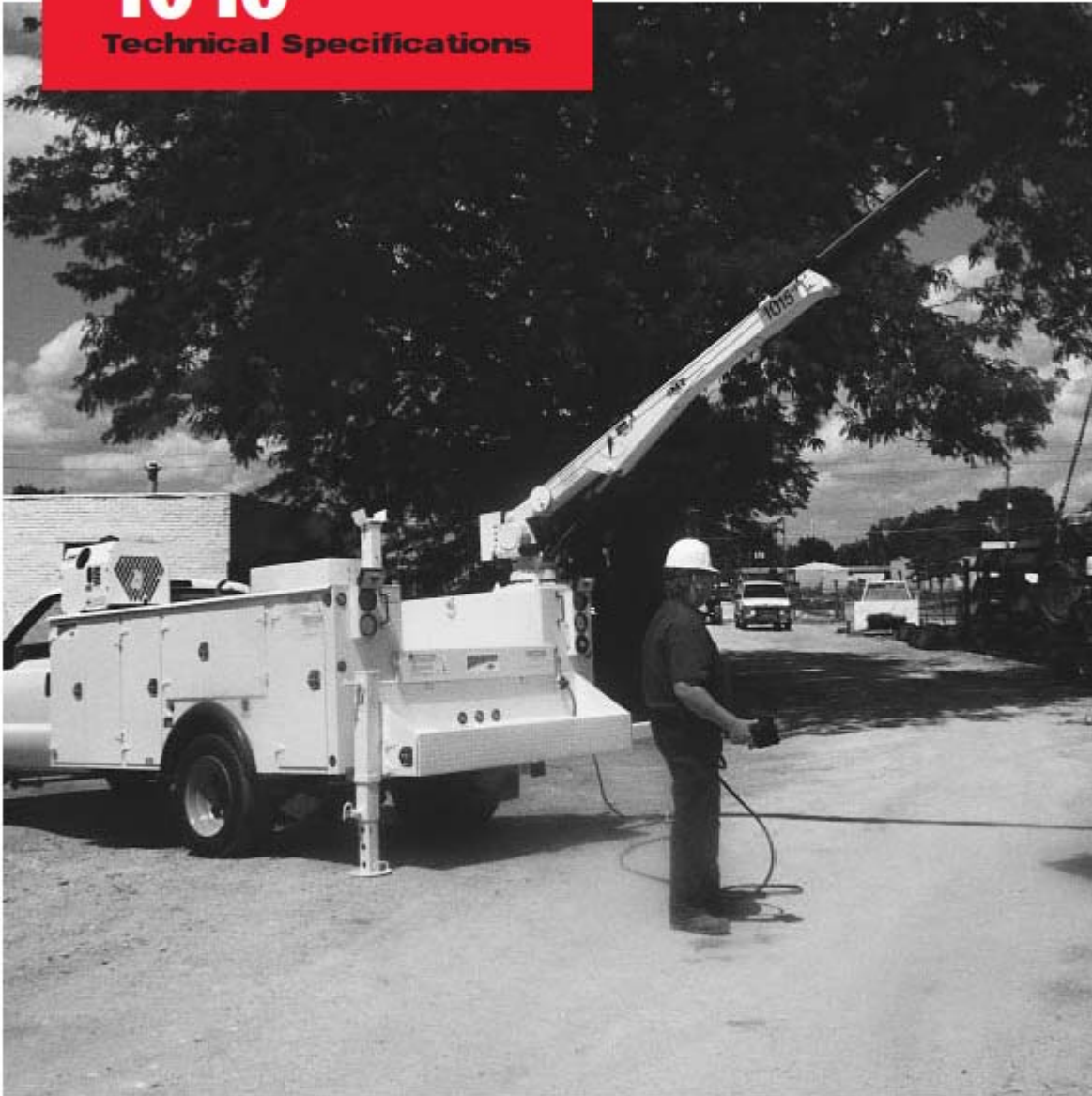
\* **Requires written response. Check marks are not acceptable.**

**Telescopic Cranes**

**1015**

**Technical Specifications**

**Material Handling Systems**



Sub Floor Compartment

#1

