

**Addendum 3 - APPENDIX A - TECHNICAL SPECIFICATION
ONE (1) 3 TON 4X2 HYDRANT TRUCK**

**ITN 88543 FLEET SERVICES FY17 VEHICLE PURCHASES,
ONE (1) 3 TON 4X2 CARGO REEL CHASSIS AND
ONE (1) 3 TON 4X2 HYDRANT TRUCK**

1. SCOPE

It is the intent of the JEA to purchase **ONE (1)** 3T 4X2 Hydrant Truck. Trucks must be tested and delivered to JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by **September 15, 2017**.

2. MODEL:

New, current model year production **Class-7 CREW CAB** Cab / Chassis (Freightliner M2 106 or Equal) with **Heavy Duty Crane Utility Body & FULL Hydraulic Actuated, 7,500 LB** Capacity Crane. Reference: **JEA Unit # 7981** (VIN # 3FRXW75S14V655431) for **General Layout/Design Details** and clarification.

3. Cab / Chassis (CLASS-7). CREW CAB

3.1 Class-7 **Single Screw** Cab/Chassis (38,000 LB GVWR)

3.2 **CA:** Not to Exceed **168"**.

3.3 **WB:** Not to Exceed **234"**.

3.4 **Overall Height** from Level Ground to Highest Point on Vehicle Not to Exceed **130"**

3.5 **Overall Length:** Not to Exceed **420"**

3.6 Set **Max Speed** at **72 MPH**

4. ENGINE (REQUIRE CUMMINS ISL9 DUE TO RELIABILITY / DURABILITY)

4.1 Horse Power: Minimum **330 HP**.

4.2 Torque Range: Minimum **750 lbs.** to **1000 lbs.**

4.3 **No** Automatic Idle Shutdown

4.4 Block Heater

4.5 Engine warning and shut down system.

5. TRANSMISSION

5.1 Allison RDS 3500.

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6. REAR AXLE

- 6.1 **Air Ride** / 23K with manual dump valve
- 6.2 Locking Differential

7. FRONT AXLE

- 7.1 14,600 lb. with Oil Bathed Bearing/Hubs.

8. TIRES

- 8.1 11R 22.5 to match GVWR, All Terrain Tread.
- 8.2 **REAR: 385 SUPER SINGLES to match GVWR, All Season Tread.**

9. BRAKES

- 9.1 Air Brakes with low air pressure warning system.
- 9.2 Anti-lock braking system.
- 9.3 Automatic drain valves
- 9.4 Air Dryer

10. COOLING SYSTEM

- 10.1 Heavy duty extra cooling capacity, largest available from manufacturer.

11. FUEL TANK

- 11.1 Minimum 75 gallon useable fuel capacity.

12. CHASSIS ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)

- 12.1 **Meters:** hour meter, transmission temperature, engine oil pressure, engine temperature, charging system, fuel level, air pressure and diesel exhaust fluid level (In Cab / Dash Mounted)

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- 12.2 **Auxiliary / Accessory Lugs:** To wire GPS, Fuel Rings, Strobe Lights & Etc.
- 12.3 **MASTER SWITCH:** In Cab (Mitigate Dead Batteries Due To GPS, Fuel Rings & Etc.)
- 12.4 **All Cab / Chassis Lights:** LED ONLY
- 12.5 4 Corner Mounted LED Strobe Slights
- 12.6 **Auxiliary Battery Jump Ports:** Insulated remote posts protected and mounted curbside underneath cab body / behind steps
- 12.7 **DC Accessory Power Outlets:** 3 DC power outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.)

13. ADDITIONAL REQUIRED EQUIPMENT

- 13.1 **Power Package:** Power Windows, Locks, Mirrors, Cruise Control & Tilt Wheel
- 13.2 Front bumper
- 13.3 Factory installed air conditioner and heater.
- 13.4 Power Senior West Coast mirror with separate parabolic section approximately 6" X 17" or equal.
- 13.5 **Air Ride Seats with Collapsible Armrest** (Driver & Front Passenger Seats).
- 13.6 Backup Camera and Alarm.
- 13.7 AM / FM / Weather Band Stereo with Auxiliary Input.
- 13.8 **Tow/Recovery Hooks:** Front & Rear
- 13.9 (2) Two fender/hood mounted mirrors (Passenger & Drivers Side for Blind Spots)
- 13.10 **Window Tint:** driver, passenger & rear windows (Max Legal in FL)
- 13.11 **Cup Holders:** Minimum 2.
- 13.12 Interior / Forward / Roof Mounted Console with storage compartments
- 13.13 **Tow PACKAGE / Pintle Hook:** Heavy Duty 25 Ton Swivel OFF ROAD, Safety Chain D-Rings & 7 Pin Round Trailer Plug.

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- 13.14 **Tractor Protection Valve** along with **Collapsible Glad Hands** and **Trailer Hand Valve**.
- 14 CRANE ATTACHMENT (7500 LB CAPACITY / FULL Hydraulic Actuated) Mounted RR CRANE Utility Body. (STELLER Model 7621 or Equal). - TO BE BID AS ITEM 4 on BID WORKBOOK.**
- 14.1 **Capacity:** 7500 LB
- 14.2 **Actuated:** Full Hydraulic (Chassis PTO) With **Wireless Remote Controller**
- 14.3 **Outriggers:** Full Hydraulic (Vertical & Horizontal Actuation).
- 14.4 **BOOM REACH:** 21 Feet (Full Hydraulic Extension)
- 15. CRANE UTILITY BODY - TO BE BID AS ITEM 5 ON BID WORKBOOK.**
- 15.1 **AUTO CRANE TITAN** or **EQUAL** to match current **JEA Unit # 7981** with **Headache Rack** to protect Rear Window
- 15.2 **4" Round LED Light** mounted to headache rack, facing inside of cargo area.
- 15.3 **LED Rope Lighting** in all Utility Bins.
- 15.4 Boom Tip LED Light.
- 15.5 (2) LED GO LIGHTS: Mounted to Headache Rack (1 on Right & 1 on Left).
- 15.6 Rear Work Platform Bumper with Steps (Right & Left Side).
- 16. ADDITIONAL EQUIPMENT REQUIRED**
- 16.1 Mirror mounted LED Strobe Lights (PS & DS). With Guards
- 16.2 LED Area Lights: under Driver & Passenger Steps and under Rear Bumper.
- 16.3 6 Gallon Aluminum Wash Tank with Ball Valve (Mounted Top / Right Utility Body Under Crane).
- 16.4 Aluminum Water Keg Rack.
- 17 HYDRANT RACK - TO BE BID AS ITEM 5 on BID WORKBOOK.**
- 17.1 Mounted DS / Top of Crane Utility Body (See JEA # 7981)

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18. COLOR / GRAPHICS

- 18.1 White exterior.
- 18.2 Delete all vendor and manufacturer identification decals **except required** safety & reference identification tags, decals, data plates & placards.

19. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

- 19.1 (2) Sets of operator, maintenance / repair & parts manuals per unit
- 19.2 (5) complete sets of keys per unit (Including Attachments, Bins & Tool Boxes). All Bins & Tool Boxes Keyed Alike
- 19.3 (1) On-Site JEA Operator Orientation Classes (Complete Unit Overview: Chassis & Attachments)
- 19.4 (1) On-Site JEA Maintenance Orientation Classes (Complete Unit: Chassis & Attachments).
- 19.5 Include a paper copy **Specification / Build Sheet / Drawings** in all units including Key Codes.

20. DRAWINGS

- 20.1 Drawings will be provided to JEA upon receipt of order. Drawings will include all interior and equipment layout details. Final Drawings / Layout will be approved by JEA

21. WARRANTY

- 21.1 Minimum (1) One Year warranty on Chassis & All Attachments (Parts, Travel & Labor). Must include all standard manufacturer warranties

22. OTHER REQUIREMENTS

- 22.1 Purchase / Install CITY License Plates
- 22.2 Install JEA provided Branding / Decals
- 22.3 Install JEA provided required safety equipment: purple-k fire extinguisher, first aid kit and key safe

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- 22.4 Current **DOT** Inspection / Certification with Decal installed lower left inside corner of windshield
- 22.5 Must include/document the **Vin Number, Make** and **Model** on all invoices
- 22.6 Install **Vehicle Height Warning Placard** with Maximum Height (Feet / Inches) in cab on the dash (Drivers View)
- 22.7 **Additional requirements are included in Attachment A - Fleet General Specifications.**

NOTE: ALL UNITS, ATTACHMENTS, PRODUCTS & SERVICES MUST MEET & COMPLY WITH ALL APPLICABLE REGULATIONS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO FEDERAL AND STATE LAWS, OSHA REGULATIONS, ANSI STANDARDS, DOT REGULATIONS AND ASTM STANDARDS.

DELIVERY: ALL UNITS MUST BE DELIVERED TO THE JEA FLEET FACILITY WITH A MINIMUM $\frac{3}{4}$ TANK OF FUEL. CONTACT MARK MURRAY AT 904-328-8501 48 HOURS PRIOR TO DELIVERY. DELIVERY TIMES ARE MONDAY THROUGH FRIDAY 08:00 AM – 03:00 PM AT 5717 NEW KINGS ROAD JACKSONVILLE FLORIDA, 32209.