

APPENDIX A TECHNICAL SPECIFICATIONS
058-18 Purchase of Four (4) New Current Model Year Five Ton 6X4, 14 to 16
Cubic Yard Dump Trucks
UPDATED January 19, 2018

1. SCOPE

The purpose of this Invitation to Negotiate (the "ITN") is to solicit pricing and select a vendor for the purchase of four (4) five ton 6X4, 14 to 16 cubic yard dump trucks, all new current model year.

All of the new current model year four (4) five ton 6X4, 14 to 16 cubic yard dump trucks with 66,000lb GVWR, 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 20, 2018.

If the Company fails to complete delivery and obtain JEA's Acceptance of the goods on or before September 20, 2018, the Company shall pay JEA the sum of \$44.37 per unit per day for each and every calendar day, including Sundays and Holidays, starting on this day until the date delivery is complete and Accepted by JEA.

2. MODEL:

New, current model year production **Class-8 (Freightliner M2-112, International 7400, Kenworth T880, MACK Granite or Equal with OX BODY Model 14FT 13/15YD Dump Bed)**. Reference: **JEA Unit # 70023** for General Layout and Dimensions.



3. CAB / CHASSIS

3.1 **Class-8: 6X4 with 66,000 LB GVWR.**

3.2 **Conventional Cab**

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- 3.2 **CA:** Not to Exceed **112" "**
- 3.3 **WB:** Not to Exceed **180 "**
- 3.4 **Overall Height:** From Level Ground to Highest Point on Vehicle Not to Exceed **130"**.
- 3.5 **Overall Length:** Not to Exceed **302"**.
- 3.6 **Max Speed:** **72 MPH.**
- 4. **ENGINE (REQUIRE DETROIT DD13, MACK MP8 OR PACCAR MX13, DUE TO RELIABILITY / DURABILITY)**
 - 4.1 **Horse Power:** Minimum **450 HP.**
 - 4.2 **Torque Range:** Minimum **1450 lbs. to 1750 lbs.**
 - 4.3 **No** Automatic Idle Shutdown.
 - 4.4 Block Heater.
 - 4.6 Engine warning and shut down system.
 - 4.7 IDLE UP / Remote Throttle Option
- 5. **TRANSMISSION (PTO)**
 - 5.1 ALLISON RDS 4500.
 - 5.2 Power Take Off.
- 6. **REAR AXLE**
 - 6.1 **Air Ride** / **46K** with manual dump valve (Rated for Required GVWR and Application).
 - 6.2 Locking Differentials.
- 7. **FRONT AXLE**
 - 7.1 **20,000 lb.** with Oil Bathed Bearing/Hubs (Rated for Required GVWR and Application).
- 8. **TIRES**
 - 8.1 **FRONT:** Floater **425 / 65 R22.5** Rated for GVWR.
 - 8.2 **REAR:** 11R 22.5 All Terrain Tread Rated for GVWR.
- 9. **BRAKES (AIR BRAKES)**
 - 9.1 **Air Disc Brakes with Shields:** Front and Rear Axles.
 - 9.2 Anti-lock braking system.

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- 9.3 Automatic drain valves with manual pull cables.
- 9.4 Air Dryer.
- 9.5 Low air pressure warning system.
- 9.6 Trailer Hand Valve (Trailer Air Brakes)

10. COOLING SYSTEM

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

11. FUEL TANK

- 11.1 **CAPACITY: MINIMUM 120 GALLONS.** DUAL TANKS ARE ACCEPTIBLE.

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 / Instrument Cluster).
- 12.2 **Auxiliary / Accessory Lugs wired with Resettable Breaker:** To Wire GPS, Fuel Rings & Etc. See Example Below
Blue Sea Systems ST Blade ATO/ATC Fuse Blocks
Style Name: 12-Circ Split w/Cover & Neg



- 12.3 **MASTER SWITCH WITH LOCKOUT/TAGOUT:** In Cab (Mitigate Dead Batteries Due To GPS, Fuel Rings & Etc.).
EXAMPLE: TR SERIES DUAL POLE MASTER DISCONNECT SWITCH (500A • DPST • IP67/IP69k • Integrated Lock-Out Tag-Out).

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12.4 **All Cab / Chassis Lights:** LED ONLY.

12.5 **Auxiliary Battery Jump Ports:** Insulated remote posts protected and mounted close to batteries underneath cab body / accessible.



12.6 **DC Accessory Power Outlets:** 3 DC power outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.). See example below (NAPA Part Number & Picture): NAPA Part # BK 7821773 or equal.



12.7 **Power Package:** Power Windows, Locks, Mirrors (Heated) and Cruise Control.

12.8 Backup Camera and Backup Alarm.

12.9 AM / FM / Weather Band Stereo with Auxiliary Input, and BLUETOOTH HANDS FREE.

12.10 Factory installed air conditioner and heater.

12.11 OEM UP-Fitter Switches (Located Upper Console or Dash).

12.12 **LED Strobe Lights (6 COUNT):** One on All 4 Corners (4 Total) and One on each side of the Dump Body/Centered (2 Total).

13. ADDITIONAL REQUIRED EQUIPMENT/OPTIONS

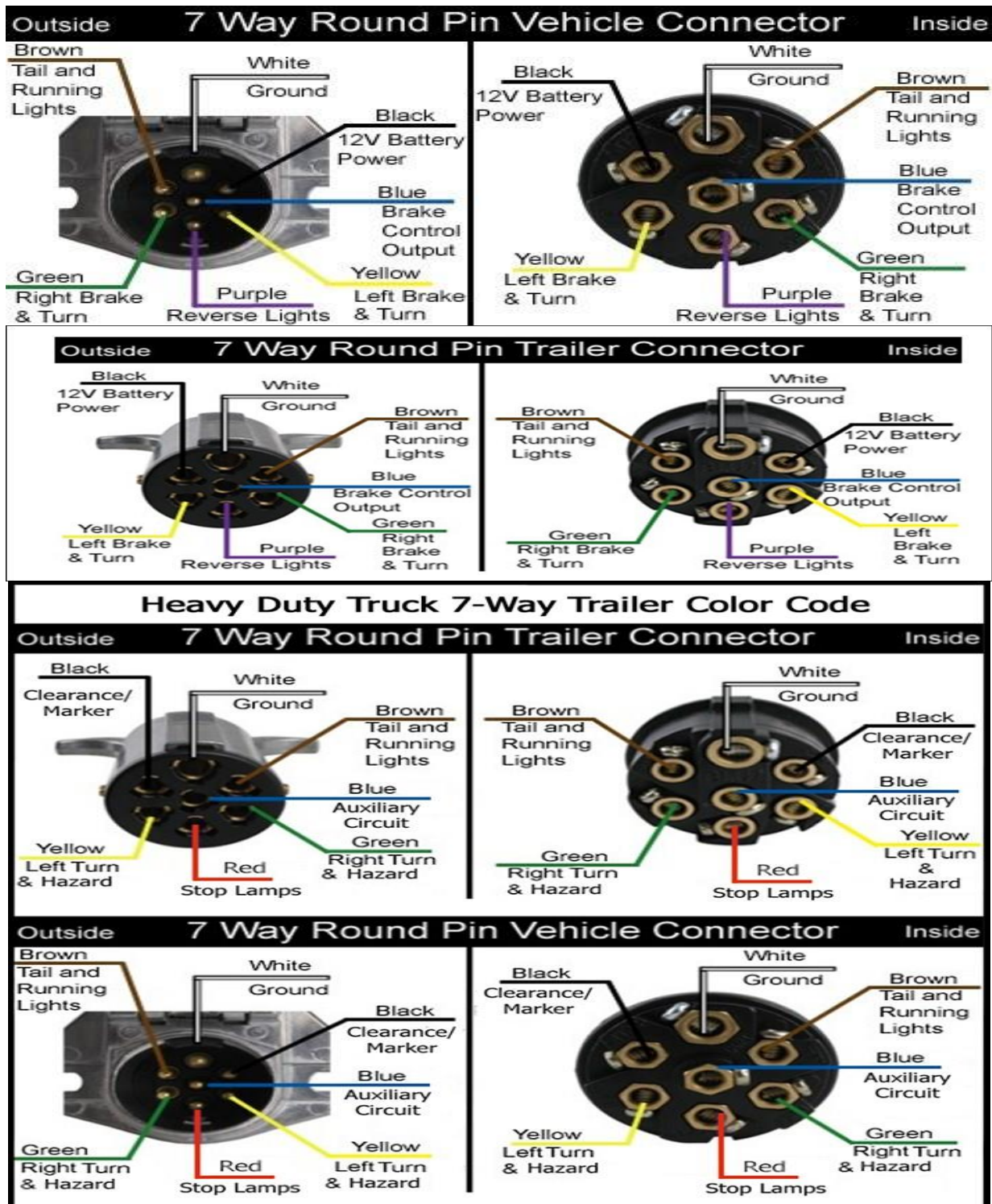
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- 13.1 Tilt Wheel.
- 13.2 Front Bumper.
- 13.4 **Air Ride Drivers Seats with Collapsible Armrest** (70/30 Seat).
- 13.7 **Tow/Recovery Hooks:** Front.
- 13.8 **Fender/Hood Mounted Mirrors (2):** Passenger & Drivers Side for Blind Spots.
- 13.9 **Window Tint:** driver, passenger & rear windows (Max Legal in FL).
- 13.10 **Cup Holders:** Minimum 2.
- 13.11 **Interior / Forward / Roof Mounted Console:** Storage compartments.
- 13.12 **Tow PACKAGE Trailer Receptacles (2 Receptacles):** 7 Pin Round Trailer Plug and 7 Pin Round Heavy Duty Truck Trailer Plug (ABS). Label both Receptacles.

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13.13 Tow PACKAGE / Pintle Hook: Heavy Duty 25 Ton **Swivel OFF ROAD** and Safety Chain D-Rings.

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13.14 Tractor Protection Valve along with all Air Lines/Plumbing, Collapsible Glad Hands and Trailer Hand Valve.

14. DUMP BODY (OX BODIES: Model 14FT 13/15YD, Uniform with existing JEA Dump Truck # 70023)

14.1 **Elliptical Design:** Including Asphalt Lip and Tailgate Spreader Chains



14.2 **TARP SYSTEM:** Aluminum Automatic TELESCOPING Tarp System.



14.3 **Dump Body Hydraulics, PTO, Lift Cylinders and all required Installation and Mounting Materials:** Must meet or exceed quality/durability of existing JEA Unit # 70023.

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14.4 **IN CAB CONTROLS:** All Controls Including a Dual Cylinder Air Actuated Tailgate.



14.6 **Dump Body Prop:** Color **RED** with Labels.

14.7 Exterior and Interior Steps.



14.8 Cab Shield



15. COLOR / GRAPHICS

15.1 White exterior.

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

16 MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

- 16.1 (1) Set of operator manuals per unit (Hard Copy).
- 16.2 (1) set of maintenance / repair & parts manuals (Electronic Copy Is Acceptable).
- 16.2 KEY ALL UNITS ALIKE (Key Code Will Be Provided). FIVE Complete sets of keys per unit. **Stamp/Engrave JEA PROVIDED 5 Digit Unit Number On All Keys.**
- 16.3 (1) On-Site JEA Operator Orientation Classes (Complete Unit).
- 16.4 (1) On-Site JEA Maintenance Orientation Classes (Complete Unit).
- 16.5 Include a paper copy **Specification / Build Sheet / Drawings** in all units including Key Codes.

17 DRAWINGS

- 17.1 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.

18 WARRANTY

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

19 OTHER REQUIREMENTS

- 19.1 Purchase / Install CITY License Plates.
- 19.2 **Install JEA Provided Branding / Decals:** You may solicit JEA's current vendor Graphics Applications Systems, at your expense.
- 19.3 **Install JEA Provided/Required Safety Equipment:** Purple-K Fire Extinguisher (5 lb.), JEA First Aid Kit and Key Safe.
- 19.4 **Current DOT Inspection / Certification:** Complete with Decal installed lower left inside corner of windshield.
- 19.5 Must include/document the **Vin Number, Make, Model, Description, JEA PO #** and **JEA Provided 5 Digit Unit Number** on all Invoices and Change Order Invoices.



- 19.6 Reflective Roadside Triangle Warning/Hazard Kit.

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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. 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**.