



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ONE CAPITOL HILL  
PROVIDENCE RI 02908

**CREATION DATE :** 09-OCT-15  
**BID NUMBER:** 7549963  
**TITLE:** CAB/CHASSIS WITH REFURBISHED DOT BUCKET DEVICES - DOT  
  
**BID CLOSING DATE AND TIME:**03-NOV-2015 02:30:00

**BUYER:** Hill, Lisa  
**PHONE #:** 401-574-8118

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**DOT MAINTENANCE BUSINESS OFFICE**  
360 LINCOLN AVE  
WARWICK, RI 02888  
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**DOT MAINTENANCE BUSINESS OFFICE**  
360 LINCOLN AVE  
WARWICK, RI 02888  
US

Requisition Number: 1430193

Line	Description	Quantity	Unit	Unit Price	Total
1	<p>QUESTIONS CONCERNING THIS SOLICITATION MAY BE ADDRESSED TO LISA HILL AT lisa.hill@purchasing.ri.gov NO LATER THAN OCTOBER 28, 2015 AT 4:00 P.M.</p> <p>VENDOR TO PROVIDE ANTICIPATED DELIVERY DATE OF COMPLETED VEHICLES:</p> <p>_____</p> <p>TOTAL PRICE TO FURNISH CAB AND CHASSIS, INCLUDING REFURBISHING EXISTING BUCKET DEVICES CURRENTLY MOUNTED ON DOT VEHICLES. INCLUDES REMOVAL OF EXISTING, REFURBISHING AND REMOUNTING ON NEW CAB/CHASSIS IN ACCORDANCE WITH ATTACHED SPECIFICATIONS</p>	3.00	Each		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

**DIESEL POWERED CAB & CHASSIS REPLACEMENT WITH COMPLETE AERIAL  
DEVICE/BODY REFURBISHING AND TRANSFER  
FOR THREE (3) RIDOT BUCKET TRUCK VEHICLES**

The Rhode Island Department of Transportation Highway and Bridge Maintenance Division is currently seeking qualified firms to conduct *three (3)* diesel powered cab and chassis replacements. Each chassis replacement will include complete existing aerial device/body restoration, refurbishing and refitting. The awarded vendor will be responsible for providing each brand new diesel powered cab & chassis as well as refurbishing and remounting existing aerial devices and bodies as described elsewhere herein.

The bodies and aerial devices required to be outfitted on each new diesel powered cab and chassis are currently mounted on their original chassis. Each aerial device/body will require removal, restoration and refurbishment before installation. Each component of the body and aerial device shall be completely restored, preserved and maintained before installation on each new respective chassis.

Each diesel powered cab and chassis must be engineered to meet or exceed the needs of RIDOT and additionally comply with all current Federal, State, Osha and all industry laws/codes/regulations. Daily job function, safety demands, job scope and placement of this equipment within traffic patterns must all be considered by the awarded bidder.

***Mandatory-All aerial device repair/installation work must be performed by Altec and Versalift trained and certified technicians.***

***Current equipment to receive new cab and chassis along with extensive device/body refurbishing as described elsewhere herein:***

REG	YEAR	MODEL	VIN	AERIAL DEVICE	MODEL	BODY MANUFACTURER	BODY STYLE
1622	1998	FORD F-450	1FDXF46F6XEB92176	VERSALIFT	T2900A AK9813	FIBRE BODY	SPECIALTY/SERVICE/AERIAL
1580	2004	FORD F-550	1FDAF56P95EA38403	VERSALIFT	T3100I02 FV40012	ASTORIA	SPECIALTY/SERVICE/AERIAL
1714	2003	FORD F-550	1FDAF56P14EA66145	ALTEC	AT-30 100310G0526	BRAND FX	SPECIALTY/SERVICE/AERIAL

**A. Scope Of Work**

- 1) Remove aerial devise and body from existing surplus Ford F-550/450 chassis
- 2) Recondition and update removed aerial devices and bodies as defined herein
- 3) Supply new diesel powered cab and chassis for refurbished body and aerial device remounting
- 4) Remount, re-plumb, re-wire, paint and refit restored body and aerial device to each new diesel powered cab and chassis.
- 5) Upgrade all safety equipment with brand new current equipment
- 6) Upgrade all warning and work lighting with brand new current equipment

**B. MINIMUM CHASSIS SPECIFICATIONS**

***TO BE VERIFIED AND APPROVED BY BODY AND AERIAL DEVICE  
INSTALLER/UPFITTER***

- Year 2016 or newest current model available
- Two Wheel Drive
- 84" cab to axle
- 19,500 GVWR
- 4.88 Rear Axle
- Rear Traction Tires
- Limited Slip
- Diesel
- 6 speed Automatic Transmission
- Transmission PTO Provision
- Preferred Equipment Package
- Extra Heavy Duty Alternator, 200 amp
- Air Conditioner
- AM/FM Stereo Clock Radio
- Engine Block Heater
- White Exterior
- Steel Interior Colors
- 40/20/40 Seat
- Electronic power door locks
- Electronic power windows

**Powertrain**

V-8 OHV direct diesel injection 32 valve intercooled turbo diesel engine \* 200 amp HD alternator \* 750 amp (total) 78 amp hours (Ah) (total) battery dual batteries with run down protection \* Engine block heater \* 6-speed electronic automatic transmission with overdrive, lock-up, driver selection \* Rear-wheel drive, power take-off provision \* 4.10 axle ratio \* Stainless steel exhaust

**Steering and Suspension**

Hydraulic power-assist re-circulating ball steering \* 4-wheel disc brakes with front and rear vented discs \* Firm ride suspension \* Mono-beam non-independent front suspension \* Front anti-roll bar \* HD front coil springs \* HD front shocks \* Rigid rear axle \* Rear leaf suspension \* Rear anti-roll bar \* HD rear leaf springs \* HD rear shocks \* Front and rear 19.5" x 6.00" argent steel wheels \* LT225/70SR19.5 BSW AS front tires \* AT rear tires \* Frame mounted mounted full-size steel spare wheel, less TPMS

**Safety**

4-wheel anti-lock braking system \* Dual airbags, passenger side front-impact cancellable airbag, seat mounted driver and passenger side-impact airbags, curtain 1st row overhead airbag \* Front height adjustable seatbelts

**Comfort and Convenience**

Air conditioning \* AM/FM stereo, clock, seek-scan, 2 speakers, fixed antenna \* Power door locks with 2 stage unlock, keyfob (all doors) keyless entry \* 2 12V DC power outlets, retained accessory power \* Analog instrumentation display includes tachometer, engine temperature gauge, turbo/supercharger boost gauge, transmission fluid temp gauge, engine hour meter, exterior temp, systems monitor, trip odometer \* Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, door ajar, service interval, brake fluid \* Steering wheel with tilt and telescopic adjustment \* Power front windows with light tint, driver and passenger 1-touch down \* Variable intermittent front windshield wipers \* Passenger side vanity mirror \* Day-night rearview mirror \* Interior lights include dome light with fade, front reading lights, illuminated entry \* Glove box, front cupholder, instrument panel bin, dashboard storage, driver and passenger door bins \* Upfitter switches

**Seating and Interior**

Seating capacity of 3 \* 40-20-40 split-bench front seat with adjustable head restraints, center armrest with storage \* 4-way adjustable driver seat includes lumbar support \* 4-way adjustable passenger seat \* Vinyl faced front seats with vinyl back material \* Full cloth headliner, full vinyl/rubber floor covering, urethane gear shift knob, chrome interior accents

**Exterior Features**

Side impact beams, front license plate bracket, fully galvanized steel body material, side steps \* Black fender flares \* Black side window moldings, black front windshield molding \* Black door handles \* Black grille \* 2 doors \* Driver and passenger mirrors, convex spotter folding manual extendable trailer outside

**Warranty**

**Description Months/Distance**

Basic	36 month/36,000 miles
Powertrain	60 month/60,000 miles
Corrosion Perforation	60 month/unlimited mileage
Roadside Assistance	60 month/60,000 miles
Diesel Engine	60 month/100,000 miles

### **C. AERIAL DEVICE/BODY RECONDITIONING MINIMUM REQUIREMENTS**

*Aerial devices to be reconditioned;*

- Versalift T2900A, AK9813
- Versalift T3100I02, FV40012
- Altec AT-30, 100310G0526

#### **REMOVAL**

- Aerial device
- Terminate PTO/Pump.
- Aerial substructure
- Fiberglass body
- Transport equipment to awarded bidder

#### **AERIAL DEVICE**

- Reinstall aerial steel substructure
- Provide all new mounting hardware
- Provide new Power Take Off
- Provide new Direct Mount Pump
- Supply new hosing-pressure and return
- Repair or replace and worn or damaged hosing
- Descale rust and corrosion
- Sandblast entire aerial device
- Repair any and all damaged fiberglass areas on boom, Electro Guard and bucket
- Re-gelcoat all repaired areas
- Rewire Start/Stop circuit and interface to chassis
- Rewire Throttle circuit and interface to chassis
- Rewire Emergency Power circuit and interface to chassis
- Rewire Start/Stop circuit and interface to chassis
- Wire Emergency Brake circuit and interface to chassis
- Replace slide pads
- Replace both Versalift Unitrol "Single-Stick" Controls and adjust
- Lube and adjust Altec "Single-Stick Control
- Replace all required decals with manufacturer originals.
- Adhesive plastic labels are unacceptable

#### **STABILITY**

- Supply new Underframe Front Torsion Bar
- Supply new Underframe Rear Torsion Bar
- Install all required ballast
- Provide "Proof of Stability" documentation

#### **BODY**

- Hi-pressure wash/steam clean all compartment interiors
- Clean all tread plate
- Remount existing body

### TAILSHELF

- Aluminum Tread plate, 30" x 94"
- LED ICC lighting
- Curbside stepway access with aluminum tread plate toe kick
- Aluminum grab loop access handle
- Angled Grab handle on top of compartment side
- ICC bumper predrilled for hitch, trailer plug and equipped with chain loops and multi-hitch with 2" ball/pintle combination (trailer wiring to match attached specification).

### PAINT and FINISH

- Paint entire aerial, white
- Paint entire pedestal, white
- Paint body to match cab

### ELECTRICAL

Replace LED Stop/Turn/Tail Lights and Backup Lights  
Warning Lights as follows:

- Two (2) Whelen #M2WAC, 2.5" x 4", wide angle, amber LED's installed on front cab fenders.
- Two (2) Whelen #M2WAC, 2.5" x 4", wide angle, amber LED's installed on rear body fenders
- Two (2) Whelen #L32HAF, amber, Class 1, 2.5" x 7.5", LED multi-diffuser beacons with a rotating pattern, installed on forward riser.
- Two (2) Whelen #L32HAF, amber, Class 1, 2.5" x 7.5", LED, multi-diffuser beacons with a rotating pattern, installed on rear of the body compartment tops.
- One (1) Whelen 50", Justice, SAE Class 1 Certified, LED Light Bar shall be installed on the cab roof.

***The light bar shall be equipped as follows:***

Clear Lenses

Four (4) Corner Amber LEDs

Seven (7) Forward Facing Amber LEDs

Two (2) Rear Facing Red LEDs

Two (2) Rear Facing Amber LEDs

Two (2) Blank spaces, where aerial pedestal blocks rearward vision

One (1) Whelen model #TAL-85, eight diffuser LED Amber LED Traffic Advisor shall be installed recessed mounted in the tail shelf. Controls shall be placed below the cab dashboard with access to both the driver and passenger.

## **WORKLIGHTING**

- Supply two (2) Akron #ELSS-XLDC-PSUP-SB,-LED Floodlight (or equivalent) with 19,000 lumens, integral on/off switch, operated from 12 VDC chassis power.

### ***The floodlight shall be mounted as follows:***

- Two (2) "push up" telescopic pole with an external coil cord. This flood is to be mounted on the front bulkhead of the body
- Two (2) 4" dia. LED recessed mounted load bed lights shall be provided in the rear of the tool compartments

### ***Additional:***

- Two (2) 4" round LED load bed lights, independently switched
- Back-up alarm
- Flange mounted, tailshelf placed Color Backup Camera with replacement of the rear view mirror and integrated display

## **SWITCHING**

### ***The chassis supplied upfitter switches shall operate the following:***

- Aerial Device PTO
- Compartment and Load Bed Lights
- All Warning Lights

## **120 VAC POWER GENERATOR**

***A Honda Portable Generator, model #EU3000 (or equivalent) shall be provided. The generator is to be stored in the load bed area, directly below aerial device boom. The generator specifications are as follows:***

- Engine GX200
- Displacement 196cc
- AC Output 120V 3000W max. (25A) 2800W rated (23.3A)
- Receptacles 2-20A 125V Duplex NEMA Plug Number: 5-20P
- 20A 125V Duplex, 30A 125V Locking Plug
- DC Output 12V, 144W (12A)
- Starting System Recoil, electric
- Fuel Tank Capacity 3.45 gallons
- Run Time on One Tank full 7.2 hours @ rated load, 20 hours @ 1/4 load
- Dimensions (L x W x H) 25.8" x 18.9" x 22.4
- Noise Level 58 dB @ rated load 49 dB @ 1/4 load
- Dry Weight 134 lbs.
- Residential Warranty 3 Years
- Commercial Warranty 3 Years

***The generator shall be secured to a custom fabricated bracket constructed in aluminum. The bracket is to be equipped with a hold down/lock assembly. This generator is to be provided with a vinyl cover***

### **ADDITIONAL EQUIPMENT**

- Mud flaps
- Inclinator, installed on cab dash, viewable by driver/passenger
- Fire extinguisher
- Reflector kit
- First aid Kit
- Two (2) composite wheel chocks
- Each vehicle shall be installed with one (1) 800mhz radio which will be supplied by RIDOT

### **DELIVERY AND TRAINING**

We must have the ability to review the "in production" vehicle for compliance to the specifications at the manufacturer's upfit center.

The upfitting and service center shall provide qualified personnel to "in-service" the completed unit and instruct personnel in the proper operation and maintenance. The training shall take place at the customer's designated location.

The training format shall be as follows:

- Aerial Operator's Safety Review
- Completed vehicle walk-around and review
- Actual operation by all intended operator's
- Additionally, this training shall comply with ANSI A92.2 2009 Edition accepted March 1, 2010. This shall include "hands on" recognition and avoidance of hazards associated with their operation and actual operation of the aerial device. Such items that will be covered will include the following:
  - Purpose and use of the manuals
  - Operating manuals are an integral part of the aerial device and must be stored on the unit when not in use.
  - Pre-start/pre-flight of the aerial device
  - Responsibilities associated with problems or malfunctions affecting the aerial equipment
  - Factor affecting stability
  - The purpose of placards and safety decals
  - Workplace inspection
  - Authorization to operate
  - Operator warnings and instructions
- Actual operation of the aerial device which will be conducted at the direction of a qualified manufacturer's agent. The use of computer generated models or training will not be an allowable substitute. The trainees shall operate the actual delivered device for a sufficient period and demonstrate proficiency and actual operation.
- Proper use of personal fall protection equipment. Fall protection systems criteria and practices are covered in 29 CFR 1926.502.

### **PROOF OF TRAINING**

- *Proof of Training will be provided and include the following:*
- Name of the trainee(s)
- Name of the entity providing training
- Name of the trainer(s)
- Clear identification of the make and model of the unit

### **INFORMATION PROVIDED AT COMPLETION**

- Copies of complete two (2) operation and maintenance manuals covering the completed aerial device
- Completed and certified actual vehicle weights
- Copy of the completed "Di-electric Test", if applicable
- Copy of the completed "Stability Test"

### **WIRING DIAGRAMS**

- A wiring diagram showing the manufacturer's complete electrical system, circuit breaker panel layouts, and individual schematics for each separate circuit, shall be submitted at the time of delivery. The diagrams shall include the circuit breaker panel layouts, primary electrical system, and individual schematics for each separate circuit.

### **SERVICE**

- Service and Warranty work for the proposed vehicle will take place at a designated customer's location-whether in the field or at the RIDOT Maintenance Headquarters.
- All work to be performed by certified technicians.

### **CERTIFICATE OF ORIGIN:**

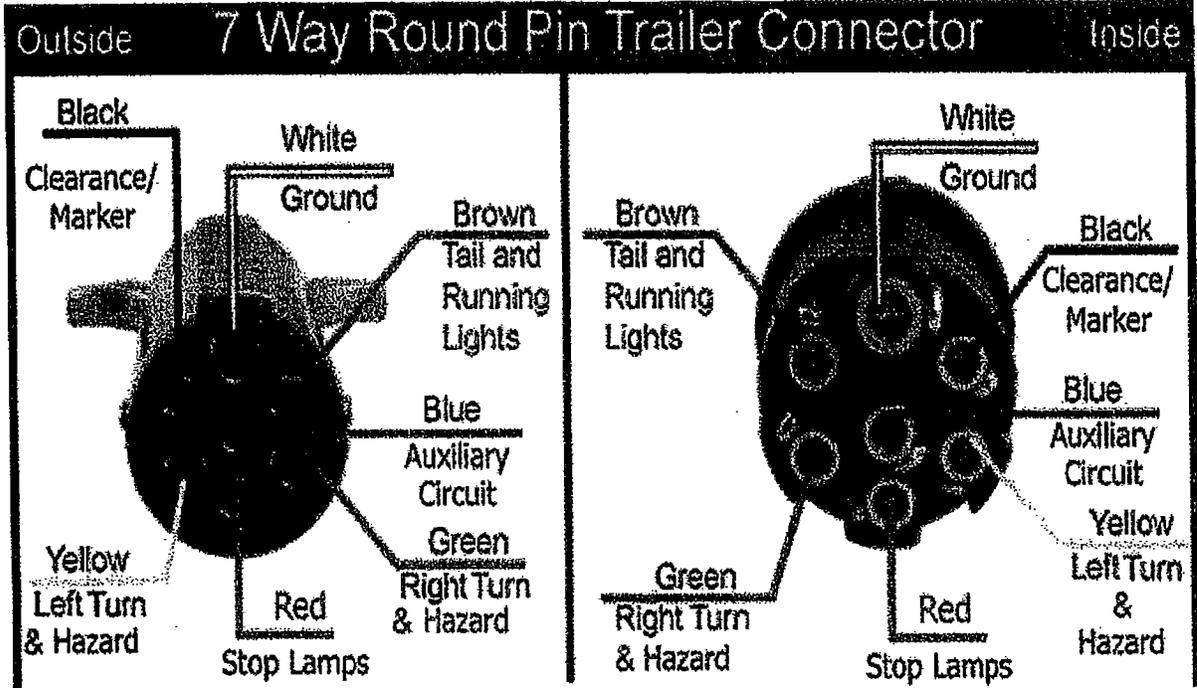
The Contractor shall furnish a Certificate of Origin to RIDOT  
The Certificate shall be completed as follows:

- Name of Purchaser: State of RI/Fleet Operations
- Address of Purchaser: One Capitol Hill Providence, RI 02908

# RIDOT

## STANDARD TRAILER

### WIRING DIAGRAM



PLASTIC GROTE PLUG	#82-2140
FITS PLASTIC GROTE SOCKET	#82-2145

REQUEST FOR QUOTE #7549963

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordering during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

**DELIVERY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**RIVIP**

IT IS THE VENDOR'S RESPONSIBILITY TO CHECK AND DOWNLOAD ANY AND ALL ADDENDA FROM RIVIP. THIS OFFER MAY NOT BE CONSIDERED UNLESS A SIGNED RIVIP GENERATED BIDDER CERTIFICATION COVER FORM IS ATTACHED AND THE UNIT PRICE COLUMN IS COMPLETE. THE SIGNED CERTIFICATION COVER FORM MUST BE ATTACHED TO THE FRONT OF THE OFFER. WHEN DELIVERING OFFERS IN PERSON TO ONE CAPITOL HILL, VENDORS ARE ADVISED TO ALLOW AT LEAST ONE HOUR ADDITIONAL TIME FOR CLEARANCE THROUGH SECURITY CHECKPOINTS.

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NOTE: IF THIS COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: \*PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSION) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. \*BUILDER'S RISK INSURANCE – COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. \*SCHOOL BUSING – AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \*VESSEL OPERATION – (MARINE OR AIRCRAFT) – PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

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### **VENDOR SPEC**

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.