



# Request for Quote

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

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

CREATION DATE: 27-MAY-16  
 BID NUMBER: 7550657  
 TITLE: BUCKET TRUCKS - DOT  
 BID CLOSING DATE AND TIME: 21-JUN-2016 01:30:00

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

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

Requisition Number: 1462797

Line	Description	Quantity	Unit	Unit Price	Total
1	<p>QUESTIONS CONCERNING THIS BID MUST BE DIRECTED TO LISA HILL AT LISA.HILL@PURCHASING.RI.GOV. QUESTIONS WILL BE ENTERTAINED UNTIL ONE WEEK PRIOR TO BID CLOSING DATE. AND TIME. TELEPHONE QUESTIONS WILL NOT BE ACCEPTED.</p> <p>BIDS MUST BE SUBMITTED IN DUPLICATE. THE STATE ISSUED BID SPECIFICATIONS MUST BE RETURNED WITH THE SOLICITATION AND MUST INDICATE COMPLIANCE WITH EACH INDIVIDUAL SPECIFICATION. IF THERE ARE ANY EXCEPTIONS, THE EXCEPTION MUST BE NOTED.</p> <p>BUCKET TRUCKS PER ATTACHED SPECIFICATIONS            MODEL YEAR: _____            MAKE: _____            AERIAL DEVICE MAKE/MODEL: _____            ANTICIPATED DELIVERY DATE: _____</p>	4.00	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

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**SPECIFICATIONS**

**Rhode Island**

**Department of Transportation**

**Bridge Maintenance Division**

**39' Working Height Telescopic Aerial Device**  
**with 2 Man Elevated Bucket**

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**GENERAL:**

The following specification is for an insulated telescopic aerial lift with a 2 man hydraulically elevating bucket for the Rhode Island Department of Transportation, Bridge Maintenance Department. The unit shall be the latest current model of standard design manufactured, complete with all standard equipment, special tools and warranties. Bidders are to supply the latest printed literature and detailed specifications on equipment the bidder purposes to furnish.

The Aerial Lift must be designed and all components selected and used according to sound engineering principles. All completed units shall comply and be tested in accordance with all applicable O.S.H.A. ANSI, FMVSS standards and regulations. The specifications listed below shall be considered minimum requirements.

Any exception no matter how minor must be noted on a separate sheet and be identified by section.

**AERIAL DEVICE MANUFACTURER AND MODEL NUMBER:**

Indicate manufacturer and model number of the aerial device quoted.

Aerial Manufacturer: \_\_\_\_\_

Aerial Model: \_\_\_\_\_

Body Manufacturer: \_\_\_\_\_

Body Model: \_\_\_\_\_

**CHASSIS DATA:**

The chassis shall be a minimum 19,500 lbs. G.V.W.R., and dual rear wheels. The chassis charging system must be adequate to meet the requirements of the specified equipment.

Comply: \_\_\_\_\_

**CHASSIS MANUFACTURER AND MODEL NUMBER:**

Indicate manufacturer and model number of the chassis quoted.

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

## **(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

### **GENERAL DATA:**

Minimum Platform Height:	32'
Minimum Working Height:	37'-2"
Horizontal Reach max:	25'-4"
Basket Elevator max:	22"
Working Height at maximum basket elevation:	39'
Approx. Stowed Travel Height:	10'-8"
Extension Boom Travel:	120"
Main Boom Travel:	-15° to +80°
Basket Capacity:	600 lbs.
Cab to axle minimum:	84"

Comply: \_\_\_\_\_

The completed unit shall be certified as passing A.N.S.I. A92.2 stabilization tests with the use of one vertical set of outriggers mounted behind the cab. Outriggers shall not exceed the width of the body. Successful bidder shall demonstrate these capabilities upon delivery.

Comply: \_\_\_\_\_

### **MAIN BOOM:**

The main boom shall be constructed of 8" X 10" rectangular high strength steel. The section of the main boom that houses the internal cable track shall be expanded to 8" X 14" to allow the hoses and cable track to operate above minimum bend requirements. The minimum travel shall be from 15° below horizontal to 80° above horizontal. The 15° below horizontal movement of the main boom shall allow the operator to place the basket on the ground.

The upper and lower support wear pads must be of 1/4" thick UHMW polyethylene. Side support wear pads must be threaded adjustable wear pads made of nylon. Wear pads must be replaceable without disassembly of boom sections.

Comply: \_\_\_\_\_

### **MAIN BOOM FIBERGLASS**

The main boom shall include a fiberglass insert to provide an insulation gap of 14" when the telescopic boom is fully retracted. The insert shall be bolted and glued to provide a secure connection. The boom shall be clearly labeled to indicate the area of insulated protection.

Comply: \_\_\_\_\_

### **EXTENSION BOOM:**

The inner boom shall be made from 7" x 9" fiberglass tubing. The inner wear pads must be of threaded adjustable nylon. A hydraulic cylinder shall accomplish the telescopic action of the extension boom. The use of chains or cables to extend is not acceptable.

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

A polyethylene sleeve shall be placed over the basket end of the extension cylinder to increase the distance of dielectric integrity. The polyethylene sleeve shall be certified for 50KV.

Comply: \_\_\_\_\_

**PEDESTAL:**

The pedestal shall be a structural box shape and include the hydraulic reservoir, electrical and hydraulic components. An adequate opening shall be provided by a door or cover to allow access to the internal components. A hydraulic reservoir fill indicator shall be clearly visible and labeled to indicate the condition of the oil level. The pedestal shall be machined flat for installation of the shear ball rotation bearing. The pedestal structure must be of a single piece design and bolted directly to the lift sub frame. Risers and spacers are not acceptable.

Comply: \_\_\_\_\_

**TURNTABLE:**

The turntable shall be constructed of high strength structural plate. The turntable shall be designed to resist all torque loads. All pivot points for the booms and cylinders shall be line bored to allow for proper alignment.

Comply: \_\_\_\_\_

A 17" diameter shear ball rotation bearing is required. Bearing races shall be heat-treated and sealed to prevent entry of dirt and moisture and be equipped with readily accessible pressure (zerk) lubrication fittings. The rotation shall be driven by a worm gear, reduction gearbox. A means of adjustment shall be included to provide for proper gear backlash. The rotation system will be self-locking in the event of hydraulic failure. The input shaft shall be machined with an extended hexagon design to allow for manual rotation. The rotation shall be continuous in either direction. A rotation manifold shall provide 10 individual ports; 4 for hydraulic and 6 for pneumatic flow. Each port shall be separated by O-rings. The inner core of the manifold should be attached to the turntable and allow for maintenance of all hoses without removing guards for service or inspection. The outer case should be attached securely to the pedestal to prevent rotation.

Comply: \_\_\_\_\_

**CONTINUOUS ROTATION:**

The rotation shall be continuous in either direction. A rotation manifold shall provide 8 individual ports; 4 for hydraulic and 4 for pneumatic flow. Each port shall be separated by O-rings. The inner core of the manifold should be attached to the turntable and allow for maintenance of all hoses without removing guards for service or inspection. The outer case should be attached securely to the pedestal to prevent rotation.

Comply: \_\_\_\_\_

**SUBFRAME:**

A manufacturer's engineered sub frame designed for the chassis intended shall be secured to the vertical section of the vehicle frame and provide adequate strength to

## **(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

withstand the load of the aerial lift. The utilization of an upfitter fabricated sub frame, U bolt mounting with frame cribbing shall not be considered as a safe installation.

Comply: \_\_\_\_\_

### **BOOM SUPPORT:**

A boom support shall be provided to support the aerial lift booms in the transport position. An over-center clamping device, shall secure the booms to the support for road transport. The use of ratchet straps will not be accepted

Comply: \_\_\_\_\_

### **HYDRAULICS & CONTROLS:**

The hydraulic system shall be designed as an open center hydraulic system. All hydraulic components including the 15-gallon hydraulic reservoir shall be housed with-in the aerial lift pedestal. The reservoir must be equipped with a drain plug, filler cap, air filter vent, sight level gauge, baffle system and shut-off valve at the outlet. A 10-micron return filter shall be installed as close to the reservoir as possible and must be accessible for maintenance. A pressure relief valve must be built into the system to prevent overload. The pressure relief must be set at 2250 P.S.I.

Aerial device shall be equipped with basket and turntable mounted control stations. Individual control levers at both the upper control station and the lower control station shall automatically return to neutral position when released.

The controls shall use full pressure proportional hydraulic valves. In order to prevent inadvertent actuation of the boom position controls at the basket, the use of an unlocking device shall precede the use of the control itself and shall be maintained simultaneously during the use of the controls. When either control is released, boom movement stops and oil flow is redirected to the reservoir. The basket mounted control station shall permit the operator to control all boom movement; chassis start and stop controls, and D.C. backup functions.

The turntable mounted lower control valve overrides the upper control valve. It shall be capable of maintaining override of the upper control valve while unattended.

The aerial lift shall be powered by a hydraulic pump, which produces up to 7 GPM. The hydraulic system will also include a 12-volt D.C. backup system. The D.C. motor and pump delivers 1.4 GPM.

All hydraulic hoses shall be placed within a cable track located inside of the main boom. Hoses shall be protected against abrasion, twisting, and normal wear.

Hydraulic hoses shall have a 4 to 1 safety factor from operating to burst pressure.

Comply: \_\_\_\_\_

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**HYDRAULIC CYLINDERS:**

The main boom double action lift cylinder shall have a minimum 5" bore. The extension boom double action cylinder shall have a minimum 2-1/2" bore. Cylinder ends shall have spherical self-aligning rod ends. Holding valves shall be attached to each cylinder to prevent boom creep and to lock the cylinders in the event of line failure. Hydraulic cylinders shall have welded and threaded end caps for maximum safety. Piston shaft shall be highly polished chrome finish.

Comply: \_\_\_\_\_

**BASKET:**

The basket shall be a 24" X 42" X 42" side mounted, square molded fiberglass, mounted to the curbside of the boom.

Comply: \_\_\_\_\_

The basket shall have a 22" hydraulic operated bucket elevator.

Comply: \_\_\_\_\_

A hydraulic rotator shall rotate the basket 180° about the end of the boom, from curbside to street side. The 180° basket rotation shall be unobstructed in the full arc when the jib boom is retracted. A control valve located at the upper controls shall control the elevator. A control valve located at the upper controls shall control the rotation. Entry is gained by an inner molded step/outer molded step with outer steps facing the cab and curbside when the basket is in the stowed curbside position. The basket shall be completely enclosed and shall not have any holes for drainage or otherwise.

Comply: \_\_\_\_\_

The basket shall be automatically leveled as the main boom raises. The hydraulic basket leveling shall incorporate two enclosed loop, leveling cylinders, and appropriate valving. A control valve to stow/trim the basket shall be located at the upper controls and at the lower override controls. The basket stow requires simultaneous activation with the locking valve to prevent inadvertent movement.

Comply: \_\_\_\_\_

**BASKET LINER (24" X 42")**

A basket liner shall be provided to fit inside of the fiberglass basket. The liner shall be designed to be supported by the bottom of the basket. The liner should include a lip that fits over the top of the fiberglass basket to prevent sharp objects from lodging between the basket and the liner. The basket liner shall also have a molded integral step inverted inside of the liner to assist in basket entry/exit. The basket shall be certified to 50KV minimum.

Comply: \_\_\_\_\_

## **(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

### **JOYSTICK CONTROL:**

A one-hand joystick control constructed of non-conductive material with trigger activation will be used to operate the upper controls. Boom movement cannot occur if the trigger is not activated. With the booms stowed in the rest, the control handle is oriented so the operator will operate with the joystick handle in the right hand when facing away from the truck. Pulling up on the joystick handle is to raise the booms. Pushing down on the joystick is to lower the boom. Pulling the joystick back is to retract the extension boom. Pushing the joystick forward extends the extension boom. Pushing the joystick to the right or left rotates the booms. Isolated control pods or metallic controls handles will not be acceptable.

Comply: \_\_\_\_\_

### **VINYL BASKET COVER**

A basket cover shall be provided that completely covers the top molded lip of a standard 24" X 48". The cover must be of a good quality vinyl material and shall include an elastic cord or band to keep the cover secured to the basket. A strap with latching hook shall be permanently attached to the cover to allow for securing to the boom tip, preventing accidental loss.

Comply: \_\_\_\_\_

### **LOWER BASKET STOW CONTROL:**

A lever control at the lower control station which will be used to for basket tilt/dump.

Comply: \_\_\_\_\_

### **TOOL CIRCUIT AT BASKET:**

A hydraulic tool circuit shall be provided at the upper control station. Activation must disable all boom functions to prevent inadvertent movement.

Comply: \_\_\_\_\_

### **UPPER CONTROL LOCKOUT:**

An upper control valve lockout shall be available for the basket-stow section. The lockout requires releasing a mechanical lock prior to the movement of the valve handle.

Comply: \_\_\_\_\_

### **FULL BODY HARNESS:**

A full vest type body harness shall be made of 1 3/4" type 13 nylon webbing and have a safety orange mesh jacket and reflective striping. Shoulder straps have friction slide adjuster. The waist and chest straps use friction-style buckles for positive securement. Leg straps have tongue and buckles with grommeted holes. A 6' decelerating lanyard with double latching hooks is provided.

Comply: \_\_\_\_\_

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**MISCELLANEOUS MECHANICAL FEATURES:**

All boom pivot points shall be constructed of high alloy steel (130,000 PSI yield strength minimum). All pins shall require a Nitrotech furnace treatment. The pin results in a hardness range of Rc 64 to 71 with a finish of 40- $\mu$ in. All pivot points shall be equipped with replaceable fiberglass reinforced teflon bearings. No lubrication shall be required.

Comply: \_\_\_\_\_

**MANUALS:**

Each unit shall include a separate operator's manual and a separate parts/maintenance manual. There must be two sets of manuals for each unit.

Comply: \_\_\_\_\_

**H-FRAME "STRAIGHT DOWN" HEAVY DUTY SLIM LINE OUTRIGGERS W/ SUBFRAME:**

Hydraulic activated outriggers shall be attached to the frame of the chassis between the cab and the body. A sub-frame attached to the frame of the truck shall secure the outriggers and the aerial lift to form one integral mount. The outriggers shall have a minimum vertical travel clearance of 14". Outriggers should extend straight down and be within the width of the body. The outrigger legs shall consist of inner and outer telescoping structural tubing. Adjustable, polyethylene wear pads, to prevent wear and vibration during road transport shall center the inner and outer tubes.

The hydraulic cylinders shall be double action heavy duty welded with threaded end caps for maximum safety. The piston is to be made of aluminum with square bi-directional seals made of polyurethane material and a highly polished chrome finish shaft. Holding valves shall be attached to each cylinder to prevent creep and to lock cylinders in case of line failure.

A manual diverter valve directs flow from the lift to the outriggers. Controls for each cylinder will be supplied and mounted at the rear of the chassis so the outrigger legs can be seen when in use.

Comply: \_\_\_\_\_

**HYDRAULIC POWER**

Hydraulic power shall be provided by a PTO operated by the chassis transmission. The PTO shall be activated by the PTO manufacturer's dedicated switch with an indicator which shall illuminate when placed into operation. A properly sized direct mounted hydraulic pump operating at idle shall also be provided.

Comply: \_\_\_\_\_

**.SAFETY INTERLOCKS**

The following ANSI and OSHA required interlocks shall be installed:

- Emergency Brake
- Outrigger Down

Comply: \_\_\_\_\_

## **(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

### **SERVICE BODY**

#### **Fiberglass Service Body**

##### **Body Dimensions:**

- 132" long x 42" high x 94" wide.
- 81" CA with dual rear wheels.
- 42" compartment height
- 20" compartment depth
- 54" load space width
- 25" top of body to the top of the floor
- 20" horizontal compartment height

Comply: \_\_\_\_\_

##### **Minimum Requirements**

- Vinyl rock guards
- Fuel fill cup
- Removable wheel panels
- White compartment interiors
- Recessed LED exterior stop/tail/turn, backup and ICC lighting
- Automotive grade door gaskets
- Aluminum forward bulkhead
- Aluminum tail skirt
- Type 304 Stainless steel hinges and hardware
- Type 304 Stainless steel automotive style rotary latch
- Brackets for adjustable shelves in all compartments
- One piece molded doors
- Recessed door seal system
- Flow thru ventilation system
- .1875" Aluminum tread plate floor
- Tailboard brackets
- White Gel-Coat exterior color

Comply: \_\_\_\_\_

##### **Included "severe service" options:**

- Aluminum load bed walls
- Aluminum tread plate compartment tops
- LED continuous compartment lighting, top and sides of the door opening, switched
- Rod style "Master Locking System"

Comply: \_\_\_\_\_

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**StreetSide Compartmentation:**

**1<sup>st</sup> vertical**

30.5" wide x 40" high x 20" deep

One (1) adjustable shelf each with adjustable dividers

**2nd vertical**

30.5" wide x 40" high x 20" deep

One (1) adjustable shelf, with adjustable dividers

**Horizontal Compartment**

40" wide x 18" high x 20" deep

One (1) adjustable shelf, with adjustable dividers

**Rear Vertical**

31" wide x 40" high x 20" deep

1-3-1 Swivel/locking rope hooks

Comply: \_\_\_\_\_

**Curbside Compartmentation**

**1<sup>st</sup> Vertical**

30.5" wide x 40" high x 20" deep

- One (1) adjustable shelf each with adjustable dividers

**2nd Vertical**

30.5" wide x 40" high x 20" deep

One (1) adjustable shelf

**Horizontal Compartment**

40" wide x 18" high x 20" deep

One (1) adjustable shelf

**Rear Vertical**

31" wide x 40" high x 20" deep

One (1) adjustable shelf

Comply: \_\_\_\_\_

NOTE: All dimensions approximate

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**TAILSHELF:**

The rear of the chassis shall be extended and supported with steel channel to create a rugged mounting area for the tail shelf and ICC bumper. This structure shall contain reinforcement for an integral ICC bumper, side access steps and support a "multi-hitch" assembly with chain loops.

Comply: \_\_\_\_\_

The "multi-hitch" shall be secured with four (4) bolts and be equipped with a 2" ball and pintle combination. A trailer plug compatible with RIDOT equipment shall be supplied

Comply: \_\_\_\_\_

The tail shelf surface is to be aluminum tread plate which shall include curbside stairway and shall have an aluminum "loop" type railing for stairway access

Comply: \_\_\_\_\_

A chrome grab handle shall also be installed on the compartment bulkhead for use when utilizing the stairs

Comply: \_\_\_\_\_

Grip strut rubber suspended step shall be attached below the tail shelf stairway

Comply: \_\_\_\_\_

All ICC lighting shall be placed in the tail shelf along with surface mounting of a LED Traffic Advisor

Comply: \_\_\_\_\_

**CAB GUARD:**

A full aluminum cab guard shall be provided. The cab guard shall extend from the top of the utility body, over the cab and to the front of the hood. The guard shall completely cover the cab roof, windshield and hood and be supported from the front bumper with 2" x 2" extruded aluminum tubing. The cab guard shall not inhibit cab door or hood access

The front of the cab guard extending from the windshield forward shall be expanded aluminum allowing for enhanced visibility

The area over the cab is to be aluminum diamond plate.

The riser behind the cab is to be aluminum diamond plate and allow for a large viewing area for the rear window which will be protected by expanded aluminum

The complete upper surfaces of the cab guard shall be reinforced with 2" x 2" extruded aluminum tubing to allow for this surface to be utilized as a working/walking surface

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

All visible extruded aluminum surfaces shall have a "brushed" finish Comply: \_\_\_\_\_

**LADDER RACK**

Supply an Able "incline" ladder rack on the streetside, on top of the utility body. The ladder rack is too constructed of aluminum extrusions to support the ladder rails, aluminum extruded risers and a base plate to secure the assembly to the top of the compartment. The ladder bed area is to be equipped with an Able Locking Hold Down and forward holdowns.

Comply: \_\_\_\_\_

The ladder rack is to be designed for use with RIDOT/Bridge Unit ladders

Comply: \_\_\_\_\_

**CONSPICUITY MARKING:**

Conspicuity marking shall be installed along the rear tail shelf on the rub rail

Comply: \_\_\_\_\_

**ELECTRICAL, WARNING and LIGHTING SYSTEMS**

**Electrical System:**

All electrical equipment installed must conform to current automotive electrical system standards. The wiring shall be individually and permanently color-coded on the insulation. The insulation shall meet SAE Standard J1128 in its latest edition for GXL or SXL temperature rating. All exposed wiring shall be run in a heat resistant loom or conduit. All wiring looms or conduit shall be properly supported and attached to body members along the entire run. At any point where wire or looms must pass through metal, rubber grommets shall be installed to protect the wire from abrasion.

Comply: \_\_\_\_\_

The main low voltage chassis to body interface point and distribution panel shall be provided at the rear of the chassis cab interior, behind the seat. This area must provide easy access for service. The distribution panel shall be labeled and shall contain body electrical relays, and wire connection bar. The distribution panel must contain electrical harness quick disconnects or connectors to facilitate removal of the body module in the future. Additionally, the Flex-Panel shall include an integral 6 position switch console.

Comply: \_\_\_\_\_

Electrical connections in exposed areas shall be made using heat shrink or weatherproof connections. All circuits shall be protected with automatic reset circuit breakers.

Comply: \_\_\_\_\_

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. These light switches shall be rocker type with integral indicator light to show when the circuit is energized. All switches shall be appropriately identified as to function.

Comply: \_\_\_\_\_

**WARNING LIGHTS:**

3.375" x 7.625" semi-oval, amber LED warning lights, integral flasher, scan lock patterning and clear lenses with chrome plated surface mount flange adapters shall be mounted in the following locations:

- Two (2) mounted on the front grille area, one (1) each side
- Two (2) mounted on the front, suspended from the cab guard, one (1) each side
- Two (2) mounted on the rear of the body, one (1) each side
- Two (2) mounted on the front fenders, below the chassis designation, one (1) each side
- Two (2) mounted on rear fender skirts, one (1) each side
- Two (2) mounted on the rear, suspended from the cab guard, one (1) each side

NOTE: Each directional LED is to be programmed and flash in a rotating pattern

Comply: \_\_\_\_\_

One (1) 46.875" long, 8 module, TIR6 Amber LED Traffic Advisor shall be installed surface mounted on the tail shelf. Compatible controls shall be placed in the cab console with access to both the driver and passenger

Comply: \_\_\_\_\_

**WORKLIGHTING:**

Supply two (2)-ELSS-SLAC-Scene Star LED, 15,000 lumen, floodlight wired to operate from 120 VAC generator power

Comply: \_\_\_\_\_

The floods shall be mounted as follows:

- One (1) on each side of the cab guard, in the rear with a swivel base.

Comply: \_\_\_\_\_

Two (2) 4" dia. LED recessed mounted load bed lights shall be provided

Comply: \_\_\_\_\_

**SWITCHING:**

The chassis supplied upfitter switches shall operate the following:

- Compartment Lights
- Load Bed Lights
- All Warning Lights
- Spare

Comply: \_\_\_\_\_

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**120 VAC POWER:**

A Portable Generator 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  
Full Sine output  
Red, noise quieting protective housing  
DC Output 12V, 144W (12A)  
Starting System:  
    Recoil  
    Electric with integral battery  
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

Comply: \_\_\_\_\_

The generator shall be secured to a custom fabricated bracket constructed in aluminum. The bracket is too equipped with a hold down/lock assembly.

Comply: \_\_\_\_\_

This generator is to be provided with a cover

Comply: \_\_\_\_\_

**CORD REEL:**

Akron model #ERWC-16-6 12 VDC Electric Rewind Cord Reel is to be supplied. The reel is to be placed at the direction of RIDOT. The reel is to be equipped with 150' of 12/3 SO cable. The end of the cable shall be terminated with a weatherproof box, duplex GFCI receptacle, strain relief and weatherproof cover. The reel shall be wired to operate from the generator.

Comply: \_\_\_\_\_

**ADDITIONAL EQUIPMENT:**

Mud flaps  
Inclinometer, installed at each outrigger control  
Fire extinguisher, 5#

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

- Reflector kit
- First aid Kit
- Two (2) grip strut wheel chocks
- Pin style cone holder capable of holding 6 cones

Comply: \_\_\_\_\_

The center seat section shall be removed and returned to RIDOT

Comply: \_\_\_\_\_

Supply a Troy Products center console, compatible with the chassis purchased shall be configured as follows:

- Floor Mount, model #AC-FHD11-MNT
- Console Housing, model #CC-FHD11-20
- Dual Holder, model AC-INBHG
- Bezel, for Motorola DOT RISON Radio
- Bezel, for a Whelen model #PCC6W Switch Control
- All required blank panels to fill console openings
- Console Laptop Side Mount, model #CM-SDMT-SL-LT17
- Laptop Mount, model #CM-LAPTOP-17

Comply: \_\_\_\_\_

**Chassis Specifications**

**4x4 Regular Cab**

Comply\_\_\_\_\_

**Packages**

- Quick Order Package
- 4.44 Rear Axle Ratio
- Base Door Trim Panel

Comply\_\_\_\_\_

**Emissions**

50 State Emissions

Comply\_\_\_\_\_

**Powertrain**

Engine:

- 6.8 Liter Gasoline
- 87 mph Maximum Speed
- Electronically Controlled Throttle
- Active Air Selective Catalytic

Comply\_\_\_\_\_

Transmission:

6-Speed Automatic

Comply\_\_\_\_\_

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

GVWR: 19,500 lbs. Comply\_\_\_\_\_

4.10 Rear Axle Ratio Comply\_\_\_\_\_

**Wheels & Tires**

Tires: 225/70R19.5G All Position  
Wheels: 19.5" x 6.0" Steel Comply\_\_\_\_\_

**Seats & Seat Trim**

Main Seat: Vinyl Bucket Seats Comply\_\_\_\_\_

**Other Options**

Paint: Monotone Paint Application Comply\_\_\_\_\_

Chrome Appearance Group: Bright Front Bumper  
Bright Grille Comply\_\_\_\_\_

Upfitter Electronic Module Comply\_\_\_\_\_

Heavy Duty Front Suspension Group Comply\_\_\_\_\_

Power Take Off Prep: Hard Wired Remote Star Split Shaft Capability Power  
Take Off Comply\_\_\_\_\_

Radio: Uconnect 3.0 AM/FM Blue Tooth  
For Hands Free Comply\_\_\_\_\_

Power: **Power Windows and Door Locks**

**Interior Colors:** Gray/Black Comply\_\_\_\_\_

**Primary Colors:** Bright White Clear coat Comply\_\_\_\_\_

## **(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

- Powertrain:** 6.8 Liter Gasoline  
Minimum of 350 hp  
180 amp alternator  
730 amp battery with run down protection  
transmission oil cooler  
6-speed electronic sequential shift control automatic transmission with overdrive, lock-up, driver selection  
Rear-wheel drive  
Limited slip differential, ABS & driveline traction control, power take-off provision  
4.10 axle ratio  
Stainless steel exhaust Comply\_\_\_\_\_
- Steering and Suspension:** Hydraulic power-assist re-circulating ball steering  
4-wheel disc brakes with front and rear vented discs  
HD ride suspension, with electronic stability  
Non-independent front suspension  
Front leading link suspension  
Front anti-roll bar \* HD front coil springs \* HD front shocks \* Rigid rear axle \* Rear leaf suspension \* HD rear anti-roll bar \* HD rear leaf springs \* HD rear shocks \* Front and rear 19.5" x 6.00" argent steel wheels \* 225/70R19.5 BSW AS  
Comply\_\_\_\_\_
- Safety:** 4-wheel anti-lock braking system, Dual airbags, seat mounted driver and passenger side-impact airbags, airbag occupancy sensor, Front height adjustable seatbelts with front pre-tensioners, Sentry Key immobilizer  
Comply\_\_\_\_\_
- Comfort and Convenience:** Air conditioning, AM/FM/Bluetooth,Satellite-prep, clock, seek-scan, external memory control, 2 speakers, fixed antenna, Cruise control with steering wheel controls, 2 12V DC power outlets, retained accessory power, **power windows and door locks**  
Comply\_\_\_\_\_
- Analog Instrumentation:** Display includes tachometer, oil pressure gauge, engine temperature gauge, voltmeter gauge, oil temperature gauge, transmission fluid temp gauge, engine hour meter, systems monitor, redundant digital speedometer, trip odometer,

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

Comply\_\_\_\_\_

**Warning Indicators:**

Engine temperature, low oil level, low coolant, lights on, key, low fuel, low washer fluid, lighting malfunction, door ajar, service interval, brake fluid, turn signal on, transmission fluid temp

Comply\_\_\_\_\_

**Convenience:**

Steering wheel with tilt adjustment, Manual front windows with light tint \* Variable intermittent front windshield wipers, Passenger side vanity mirror, Day-night rearview mirror, Interior lights include dome light with fade, Glove box, front cup holder, instrument panel bin, dashboard storage, driver and passenger door bins, Upfitter switches

Comply\_\_\_\_\_

**Seating and Interior:**

Seating capacity of 2 \* Bucket Seats with adjustable head restraints, 4-way adjustable driver seat, 4-way adjustable passenger seat, Vinyl faced front seats with vinyl back material \*Full cloth headliner, full vinyl/rubber floor covering, deluxe sound insulation, urethane gear shift knob

Comply\_\_\_\_\_

**Exterior Features:**

Side impact beams, front license plate bracket, fully galvanized steel body material \* Black fender flares, Black side window moldings, black front windshield molding, Black door handles, Chrome grille, 2 doors, Trailer harness, trailer sway control \* Driver and passenger manual black convex spotter folding manual extendable trailer outside mirrors, Front chrome bumper with front tow hooks, Aero-composite halogen fully automatic headlamps with multiple headlamps, delay-off feature, Additional exterior lights include cab clearance lights \* Clear coat monotone paint

Comply\_\_\_\_\_

**Warranty:**

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

## (2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket

Comply\_\_\_\_\_

### Minimum Dimensions and Capacities:

Output	325 hp @ 2,900 rpm
Torque	750 lb.-ft. @ 1,600 rpm
1st gear ratio	3.750
2nd gear ratio	2.000
3rd gear ratio	1.340
4th gear ratio	1.000
5th gear ratio	0.770
6th gear ratio	0.630
Reverse gear ratio	3.540
Curb weight	7,896 lbs.
GVWR	19,500 lbs.
Front GAWR	7,250 lbs.
Rear GAWR	13,500 lbs.
Payload	10,130 lbs.
Front curb weight	4,671 lbs.
Rear curb weight	3,225 lbs.
Front axle capacity	7,000 lbs.
Rear axle capacity	13,500 lbs.
Front tire/wheel capacity	7,940 lbs.
Rear tire/wheel capacity	15,000 lbs.
Towing capacity	17,980 lbs.
Front legroom	41.0 "
Front headroom	40.3 "
Front hip room	62.9 "
Front shoulder room	66.0 "
Passenger area volume	62.5 cu.ft.
Length	258.3 "
Body width	78.9 "
Body height	80.1 "
Cab to axle	84.1 "
Axle to end of frame	51.1 "
Front track	76.0 "
Rear track	73.6 "
Turning radius	24.0 '
Fuel tank	52.0 gal.
Interior cargo volume	15.2 cu.ft.
Interior maximum cargo volume	15.2 cu.ft.
Rear frame height unloaded	33.4 "
Output	325 hp@ 2,900 rpm
Torque	750 lb-ft. @ 1,600 rpm
1 <sup>st</sup> gear ratio	3.750

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

2nd gear ratio	2.00
3rd gear ratio	1.340
4th gear ratio	1.00
5th gear ratio	0.770
6th gear ratio	0.630
Reverse gear ratio	3.540
Curb weight	7,896#
GVWR	19,500#
Front GAWR	7,250#
Rear GAWR	13,500#
Payload	10,130#
Front curb weight	4,671#
Rear curb weight	3,225#
Front axle capacity	7,000#
Rear axle capacity	13,500#
Front tire/wheel capacity	7,940#
Rear tire/wheel capacity	15,000#
Towing capacity	17,980#
Front legroom	41"
Front headroom	40.3"
Front hip room	62.9"
Front shoulder room	66.0"
Passenger area volume	62.5 cu. ft.
Length	258.3"
Cab to axle	84"
Axle to end of frame	51.1"
Front track	76.0"
Rear track	73.6"
Turning radius	24'
Fuel tank	52 gal
Interior cargo volume	15.2 cu. ft.
Interior maximum cargo volume	15.2 cu. ft.
Rear frame height unloaded	33.4"

Comply\_\_\_\_\_

**"INSTALL SUPPLIED STATE RADIO"**

**GPS** : A system will be installed to track this vehicle at the time that all specs are put out for advertisement RIDOT could be contacted to which system and carrier that should be used

**CERTIFICATE OF ORIGIN :**

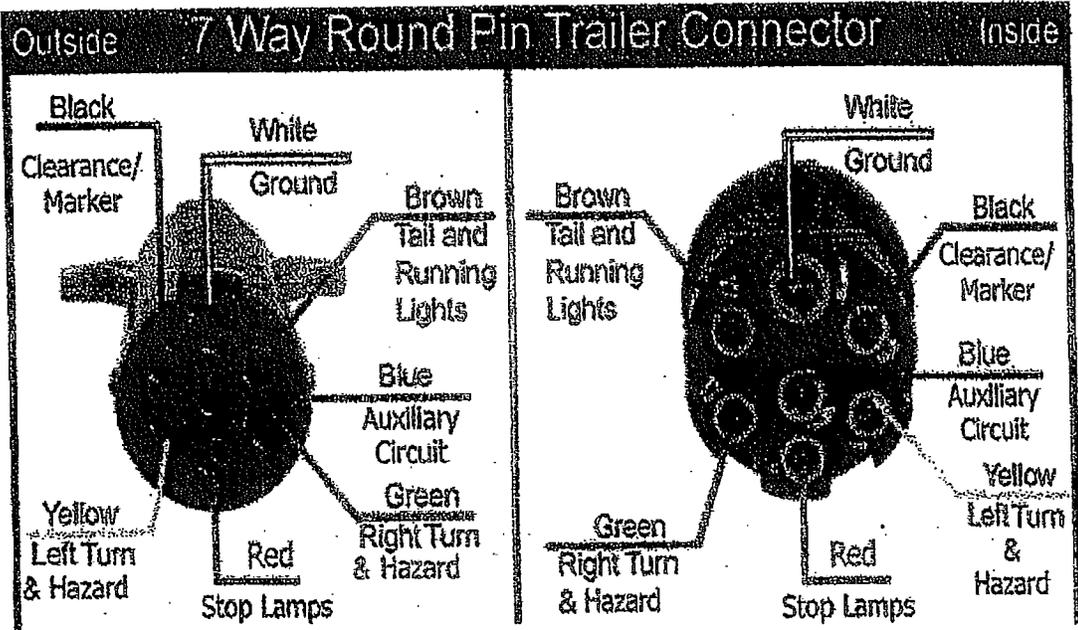
The Contractor shall furnish a Certificate of Origin to RIDOT  
The Certificate shall be completed as follows:

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

**(2) 39' Working Height Telescopic Aerial Device with 2 Man Elevated Bucket**

**ALL BIDS SUBMITTED MUST BE IN DUPLICATE**

RIDOT  
STANDARD TRAILER  
WIRING DIAGRAM



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

**Contract Terms and Conditions**

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**Terms and Conditions**

**BID STANDARD TERMS AND CONDITIONS**

**TERMS AND CONDITIONS FOR THIS BID**

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

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. 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.

**MAILING ADDRESS FOR BID PROPOSALS ISSUED BY THE STATE OF RHODE ISLAND,  
DIVISION OF PURCHASES**

All Bid Proposals must be submitted by mail or hand delivered to:

- State of Rhode Island
- Department of Administration
- Division of Purchases, Second floor
- One Capitol Hill
- Providence, RI 02908-5855

**DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:**

**No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.**

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.