



State of Rhode Island
Department of Administration / Division of Purchases
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ADDENDUM #1

RFP #7550657

TITLE: BUCKET TRUCKS - DOT

SUBMISSION DEADLINE: JUNE 29, 2016 – 11:00 a.m. (NOTE CHANGE)

1. The submission deadline has been changed as follows:
FROM: 6/21/16 – 1:30 p.m.
TO: 6/29/16 – 11:00 a.m.
2. Revised specifications are included with this addendum. Disregard the original specifications and REPLACE the specifications in their entirety with specifications included in this Addendum 1. The attached specifications which are identified as "Addendum No. 1 dated 6/8/16", must be returned with your bid indicating compliance to each aspect of the specifications, or noted exceptions . Failure to include this may be grounds for disqualification.

Lisa Hill

Lisa Hill
Chief Buyer

SPECIFICATIONS

Rhode Island

Department of Transportation

Bridge Maintenance Division

**43' Working Height Articulated/Telescopic
Aerial Device with 2 Man Elevated PLATFORM**

GENERAL:

The following specification is for an insulated telescopic and articulation aerial lift with a 2 man hydraulically elevating platform 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: _____

GENERAL DATA:

| | |
|---|--------------|
| Minimum Platform Height: | 36' |
| Minimum Working Height: | 41' |
| Horizontal Reach max: | 27'6" |
| Platform Elevator max: | 22" |
| Working Height at maximum Platform elevation: | 42'10" |
| Approx. Stowed Travel Height: | 10'-8" |
| Extension Boom Travel: | 96" |
| Main Boom Travel: | -35° to +80° |
| Articulating Boom Travel: | -0° to +80° |
| Minimum Platform Capacity: | 500 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 35° below horizontal to 80° above horizontal. The 35° below horizontal movement of the main boom shall allow the operator to place the platform on the ground to reach the rear tailshelf, and to allow access to the compartments of the body without leaving the platform.

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: _____

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. 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: _____

ARTICULATING ARM:

The Articulating arm shall be made from 7" x 7" square high strength steel tubing. The articulating arm movement shall be from -0° to +80° from horizontal. The articulating arm shall be compensating in design to maintain constant main boom angle during the elevation of the articulating arm.

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: _____

CHASSIS INSULATING SYSTEM

The articulating boom shall include a fiberglass insert to provide an insulation gap of 12" at angle of incline. 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: _____

PEDESTAL:

The pedestal shall be a structural box shape and include the hydraulic reservoir, electrical and hydraulic components. A door or cover to allow access to the internal components shall provide an adequate opening. 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 subframe. 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.

A 17" diameter shearball 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: _____

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 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: _____

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: _____

HYDRAULICS & CONTROLS:

The hydraulic system shall be designed as an open center hydraulic system. All lift related hydraulic components including the 15-gallon hydraulic reservoir shall be housed within 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.

A standalone 30 gallon hydraulic reservoir and 6-8 gpm flow divider with valve will be provided for 8 gpm flow for the pressure washing unit.

Comply: _____

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: _____

PLATFORM:

The Aluminum platform shall be a 36" X 60" X 42" side mounted access and be mounted to the boom bottom.

Comply: _____

The platform shall have a 22" hydraulic operated platform elevator.

Comply: _____

A hydraulic rotator shall rotate the platform 180° about the end of the boom, from curbside to street side. The 180° platform 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.

Comply: _____

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

Comply: _____

JOYSTICK CONTROL:

The upper operator controls shall incorporate control rods, links and handles that provide high electrical resistance components. These High Electrical Resistance Components shall be incorporated into the joystick and lockout control handles. These controls are tested initially at time of manufacture in accordance with the testing requirements of ANSI A92.2-2009. High electrical resistance controls are subject to periodic inspection requirements. The aerial lift shall be clearly marked as including High Electrical Resistance Components

Comply: _____

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: _____

LOWER PLATFORM STOW CONTROL:

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

Comply: _____

TOOL CIRCUITS AT PLATFORM:

A hydraulic tool circuit shall be provided at the upper control station. Activation must disable all boom functions to prevent inadvertent movement. A single 1/2" air line through booms with 1/2" female NPT fittings at the upper control station and 3/4" NPT Jack Hammer Universal fittings at the base of the boom. A 20 Amp GFCI Outlet at platform. A Pressure washer hose along outside of booms, including reel mounted for a continuous 360° rotation with 7 pass collector rings.

Comply: _____

UPPER CONTROL LOCKOUT:

An upper control valve lockout shall be available for the platform-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 grommets holes. A 6' decelerating lanyard with double latching hooks is provided.

Comply: _____

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- μ in. All pivot points shall be equipped with replaceable fiberglass reinforced teflon bearings. No lubrication shall be required.

Comply: _____

HYDRAULIC DRIVE ADJUSTABLE PRESSURE WASHER PUMP:

- Max water pressure 3500 PSI
- Max water flow 4 gpm
- Hydraulic motor max flow 7.5 gpm
- Hydraulic motor max pressure 2500 PSI
- Pump plumbing
- Unloader valve
- Inlet water filter
- Quick anti-freeze setup
- All plumbing from source water tank
- All high pressure plumbing
- Gun/ wand assembly complete
- High pressure nozzle set
- Bolted on a plate to the deck of the body

WATER TANK:

A 300 gallon skid mounted low profile rectangular water tank mounted such that it is centered over the rear axle and removable.

**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: _____

.SAFETY INTERLOCKS

The following ANSI and OSHA required interlocks shall be installed:

- Emergency Brake
- Outrigger Down

Comply: _____

SERVICE BODY

Aluminum Flatbed/Service Body

Body Dimensions:

- 156" long X 96" wide Aluminum flatbed
- 84" Minimum CA with dual rear wheels.
- 40" compartment height
- 20" compartment depth
- 56" load space width
- 24" top of body to the top of the floor

Comply: _____

Minimum Requirements

- Vinyl rock guards
- Fuel fill cup
- 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
Aluminum inner and outer door pannels
Recessed door seal system
Flow thru ventilation system
Minimum .1875" Aluminum tread plate floor
Tailboard brackets
White 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: _____

StreetSide Compartmentation:

1st vertical

28" wide x 40" high x 20" deep
One (3) adjustable shelf each with 5 adjustable dividers

2nd vertical

28" wide x 40" high x 20" deep
One (3) adjustable shelf, with 5 adjustable dividers

Comply: _____

Curbside Compartmentation

1st Vertical

28" wide x 40" high x 20" deep
One (3) adjustable shelf each with 5 adjustable dividers

2nd Steps

28' wide side entry gripstrut aluminum steps
1/8" Aluminum riser and kickplate

- 1 Chrome bolt on grab handle
- 1 Aluminum bolt on pool style grab handle

Comply: _____

NOTE: All dimensions approximate

TAILSHELF:

The rear of the chassis shall be extended and supported with steel channel to create a rugged mounting area for the 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 rear curbside stairway surface is to be aluminum tread plate and shall have an aluminum "loop" type railing for stairway access.

Comply: _____

Grip strut rubber step shall be attached below the stairway.

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

All visible extruded aluminum surfaces shall have a "brushed" finish

Comply: _____

CONSPICUITY MARKING:

Conspicuity marking shall be installed along the rear of the body.

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: _____

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: _____

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#

Reflector kit

First aid Kit

Two (2) grip strut wheel chocks

Pin style cone holder capable of holding 6 cones

One (1) spare tire/rim to match chassis

Three sets keys

Back up alarm

In cab power source - 600 Watt inverter (Vanner 600W no exceptions) installed under passenger seat, this unit will power the operators lap top computer and cell phone with 120 V power.

One Spill Response Kit

One 800 MHz digital radio installed and ready for use, powered by key-switch accessory (RADIO WILL BE SUPPLIED BY RIDOT).

Ignition keyed synonymously with all vehicles.

Floor Mats (must be installed upon delivery)

Backup camera fully installed and operational. Will provide automatic rear view camera and monitor for priority view of rear of vehicle when truck is in reverse.

A hydraulic chipping hammer (Maximum weight 16 lbs.) with 2 point bits, 2 flat Bits and 10 ft hose with proper fittings to connect to the ports on the platform operator's panel.

A pneumatic chipping hammer (Maximum weight 5 lbs.) with 2 point bits, 2 flat bits and 10 ft hose with proper fittings to connect to the ports on the platform operator's panel.

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 RISSON 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

4x2 Regular Cab

Comply_____

Emissions

50 State Emissions

Comply_____

Powertrain:

6.4 Liter Minimum Gasoline

Minimum Output of 350 hp

Minimum Torque of 425 lb.-ft.

180 amp alternator

730 amp battery with run down protection

Engine oil cooler, transmission oil cooler

6-speed electronic sequential shift control automatic transmission with overdrive, lock-up, driver selection and power take-off provision

Rear-wheel drive with Limited slip differential

Minimum 4.10 axle ratio

ABS & driveline traction control,
Stainless steel exhaust

Comply_____

87 mph Maximum Speed

Comply_____

GVWR: 19,500 lbs. Minimum

Comply_____

Wheels & Tires

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

Comply_____

Other Options

Paint: Monotone Paint Application

Comply_____

Chrome Appearance Group: Bright Front Bumper
Bright Grille

Comply_____

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

Comply_____

Radio: Uconnect 3.0 AM/FM

Comply_____

Interior Colors: Gray/Black

Comply_____

Primary Colors: Bright White Clear coat

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/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,

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, 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 front bucket seat with adjustable head restraints, center armrest with storage ,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 |

Comply_____

TRAINING:

A 3 day, "hands on" operator/technician training session shall be provided at RIDOT Division of Highway & Bridge Maintenance Headquarters. The training session topics will be coordinated through RIDOT Motor Pool section and may include but are not limited to engine maintenance and operation, proper lift maintenance and operation, proper power washer maintenance and operation, complete vehicle operation, engine tune-up and maintenance, multiplex systems, and use of purchased software. The training session shall accommodate at least 12 RIDOT employees at each session. Training shall be provided approximately 3 weeks after delivery of the first unit.

There shall be a one day (1) seminar, to instruct RIDOT personnel on the operation, servicing and repair of the hydraulic system, at each delivery location. 1/2 of the day shall be for operator training and the other 1/2 for mechanics. This seminar is separate

from the training required on above covering the truck package excluding the hydraulics. A web broadcast shall be an allowed method of conducting this seminar.

A follow up session is required for operators after the trucks have been used one Bridge Cleaning Season. These sessions are to be held Division of Highway & Bridge Maintenance Headquarters. The operator's session is to be approximately 4 to 6 hours. All training sessions shall be scheduled on a date mutually agreed upon by RIDOT and the hydraulics supplier. All training sessions shall be performed by competent technician thoroughly trained in the use, service, and operation of the unit.

Comply_____

SOFTWARE, MANUALS, LAPTOP:

Vendor shall provide current editions of all relevant cab and chassis manuals. This must include but not be limited to overhaul and tune-up manuals, diagnostic, wiring, troubleshooting, and parts manuals for engine, transmission, differential and all components. These shall be supplied in both hardcopy and electronic formats.

One (1) Panasonic "Toughbook" lap-top/tablet computer, Windows 7 compatible shall be provided with the capability to interface with the vehicle.

Chassis manufacturer's diagnostic software shall be loaded in computer and licensed to the Rhode Island Department of Transportation. Electronic media shall include annual subscription renewals for five (5) year. Electronic media shall be capable of being moved to new computer or reloaded in the event of hard drive crash without additional charges. An example of engine software required would be Cummins Insite Lite, Navistar Service Maxx Fleet Pro, or approved equal.

Two operator's manual detailing the recommended operating procedure shall be delivered with each unit. These shall be supplied in both hardcopy and electronic formats.

Sets shall consist of the following: shop manual, parts manual including exploded views of major components with their part numbers, wiring diagram, operator's manual, and a summary of warranties offered in excess of the standard one year.

The manuals shall fully and clearly cover all components of the unit, including the pump, valves, controls, tanks, etc. Manuals shall also include comprehensive trouble shooting and diagnosis information for all functions.

Shop manual shall explain, in detail, procedures for overhauling all major components. Failure to provide manuals may result in 5 percent of total bid being withheld. The content of the set will be evaluated for approval at the prototype approval meeting.

Complete shop drawings for the hydraulic oil supply, control valve box, and control box in the cab, and a complete system schematic shall be submitted to the RIDOT Division of Highway & Bridge Maintenance Administrator for review and approval prior to construction of any of the units. Manuals shall also cover all allied equipment and components installed on chassis provided by body installer.

Any deviations from this system must be noted on the bid and approved by the RIDOT Division of Highway & Bridge Maintenance Administration. A complete system description and product literature for major components shall accompany the bid.

Comply_____

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

CONCLUDING STATEMENTS

Notwithstanding the above, the State reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all proposals, and to award in its best interest.

Proposals found to be technically or substantially non-responsive at any point in the evaluation process will be rejected and not considered further.

The State may, at its sole option, elect to require presentation(s) by offerors clearly in consideration for award.

End of Specification