

Request for Quote

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

CREATION DATE : 22-FEB-16
BID NUMBER: 7550325
TITLE: CONE PLACEMENT AND RETRIEVAL VEHICLES - DOT

BID CLOSING DATE AND TIME: 22-MAR-2016 11:00:00

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

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

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DOT ACCOUNTS PAYABLE
TWO CAPITOL HILL, RM 230
SMITH ST
PROVIDENCE, RI 02903
US

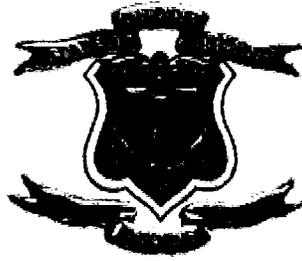
Requisition Number: 1443712

Line	Description	Quantity	Unit	Unit Price	Total
1	NEW, NEWEST MODEL CONE PLACEMENT TRUCKS WITH VMS PER ATTACHED SPECIFICATIONS YEAR _____ MAKE _____ MODEL _____ ANTICIPATED DELIVERY _____	2.00	Each		
2	OPTIONAL SOFTWARE - MESSAGE DOWNLOAD	2.00	Each		
3	OPTIONAL SOFTWARE - TIME CLOCK OPERATIONS	2.00	Each		
4	OPTIONAL SOFTWARE - COMPUTER BASE STATION OPERATION	2.00	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



STATE OF RHODE ISLAND
DIVISION OF PURCHASES

SOLICITATION #7550325
CONE PLACEMENT AND RETRIEVAL VEHICLES
BIDDER INSTRUCTIONS

1. Bidders are advised to acknowledge the make, model and of all equipment.
2. Bidders are required to describe, in writing on a separate page, any exceptions to any of the bid specifications contained in this solicitation.
3. Bidders are to submit their specifications for the proposed goods IN DUPLICATE.
4. Questions concerning this solicitation must be addressed to lisa.hill@purchasing.ri.gov no later than March 15, 2016 at 4:00 p.m. Telephone questions are not acceptable.

Cone Truck w/VMS

Requested GVWR: 25500. Calc. GVWR: 25999
Calc. Start / Grade Ability: 32.81% / 2.91% @ 55 MPH
Calc. Geared Speed: 75.3 MPH
Wheelbase: 187.00, CA: 119.00, Axle to Frame: 75.00
{Cummins ISB 260} EPA 2010, 260 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 260 Peak HP (Max)

DIMENSION:
ENGINE, DIESEL:
@ 1600

TRANSMISSION, AUTOMATIC: {Allison 2100_RDS_P} 5th Generation Controls; Close Ratio, 6-Speed, with Double Overdrive, with PTO Provision, Less Retarder, with 26,000-lb GVW & GCW Max

CLUTCH: Omit Item (Clutch & Control)

AXLE, FRONT NON-DRIVING: I-Beam Type, 10,000-lb Capacity
AXLE, REAR, SINGLE: {Meritor MS-19-14X-3DFL} Single Reduction, Hypoid Gearing, 19,000-lb Capacity, R190 Wheel Ends Gear Ratio: 6.83

CAB: Conventional 6-Man Crew Cab

TIRE, FRONT: (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
TIRE, REAR: (4) 11R22.5 G622 RSD (GOODYEAR) 497 rev/mile, load range G, 14 ply

SUSPENSION, RR, SPRING, SINGLE: Vari-Rate; 20,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

PAINT: Cab schematic 100GA
Location 1: 9219, White (Std)

Description

Base Chassis, Model 4300 SBA 4X2 with 187.00 Wheelbase, 119.00 CA, and 75.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm); 427.0" (10846mm) Maximum OAL

LICENSE PLATE HOLDER Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper

BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)

AXLE, FRONT NON-DRIVING I-Beam Type, 10,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 10,000-lb Capacity; With Shock Absorbers

Includes

: SPRING PINS Rubber Bushings, Maintenance-Free

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: BRAKE LINES Color and Size Coded Nylon
: DRAIN VALVE Twist-Type
: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster
: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel
: PARKING BRAKE VALVE For Truck
: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
: SLACK ADJUSTERS, FRONT Automatic
: SLACK ADJUSTERS, REAR Automatic
: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4

Notes

: Front and Rear Dust Shields not Included
: Rear Axle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.
: Rear Axle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.
: Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank

Description

Includes

: DRAIN VALVE Mounted in Wet Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel) With Automatic Traction Control

BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

BRAKE CHAMBERS, REAR AXLE {Bendix Eversure} 30/30 Spring Brake

BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

: Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES,

FRONT, AIR CAM.

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

AIR TANK LOCATION (2): Mounted Inline Under Left Rail, Back of Cab

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR {Sheppard M-100} Power

EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

ENGINE EXHAUST BRAKE for Cummins ISB Engine With Variable Vane Turbo Charger

SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, ON/OFF Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in ON Position

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Description

includes

: BATTERY BOX Steel

: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

: FUSES, ELECTRICAL SAE Blade-Type

: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: JUMP START STUD Located on Positive Terminal of Outermost Battery

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: STARTER SWITCH Electric, Key Operated

: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

: WIRING, CHASSIS Color Coded and Continuously Numbered

HORN, ELECTRIC (2) Disc Style

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM Maintenance-Free (2) 12-Volt 1950CCA Total

RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers

BACK-UP ALARM Electric, 107 dBA

BATTERY BOX Steel, with Plastic Cover, 18" Long By 30" Wide, 2,3 or 4 Battery Capacity, Mounted Left Side, 5" back of Cab

HORN, AIR Black, Single Trumpet, Air Solenoid Operated

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

SWITCH, BODY CIRCUITS, MID; for Bodybuilder, With 6 Switches in Instrument Panel, One Power Module With 6 Channel, 20 Amp Max. Perr Channel and 80 Amp Max Output, Switches Control the Power Module Through Multiplex Wiring, Mounted Battery Box Back of Cab

Description

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

HEADLIGHTS Halogen; Composite Aero Design for Two Light System

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

GRILLE Chrome

FRONT END Tilting, Fiberglass, With Three Piece Construction

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes: PAINT SCHEMATIC ID LETTERS "GA"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

SPECIAL RATING, GVWR Limited to 26,000-lb GVWR

CLUTCH Omit Item (Clutch & Control)

ENGINE, DIESEL {Cummins ISB 260} EPA 2010, 260 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 260 Peak HP (Max)

Includes

: ANTI-FREEZE Red Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for Cummins ISB Engines
: FUEL/WATER SEPARATOR Fuel/Water Separator; Heated; with Water-in-Fuel Sensor. Engine Mounted

FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On

:

: Includes

: FAN Nylon

RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler

Includes

: DEAERATION SYSTEM with Surge Tank
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps
: RADIATOR HOSES Premium, Rubber

AIR CLEANER With Service Protection Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

Description

OIL PAN 15 Quart Capacity, For Cummins ISB Engines

EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Idle Regulations, includes "Certified Clean Idle" Decal on Hood

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for Cummins ISB Engines

FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; ISB Engines

TRANSMISSION, AUTOMATIC {Allison 2100_RDS_P} 5th Generation Controls; Close Ratio, 6-Speed, with Double Overdrive; with PTO Provision, Less Retarder, with 26,000-lb GVW & GCW Max

Includes

: OIL FILTER, TRANSMISSION Mounted on Transmission
: TRANSMISSION OIL PAN Magnet in Oil Pan

TRANSMISSION OIL Synthetic; 20 thru 28 Pints

SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming

AXLE, REAR, SINGLE {Meritor MS-19-14-3DFL} Single Reduction, Hypoid Gearing, 19,000-lb Capacity, 190 Wheel Ends. Gear Ratio: 6.83

Includes

: REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle

Notes

: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

: When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 20,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

Notes

: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 30 thru 39.99 Pints

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

Notes: N/A with 19.5" Tires

DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

CAB Conventional

Description

Includes

- : ARM REST (2) Molded Plastic; One Each Door
- : CLEARANCE/MARKER LIGHTS (5) Flush Mounted
- : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window
- : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel
- : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
- : GLASS, ALL WINDOWS Tinted
- : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side
- : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side

: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color

GRAB HANDLE, CAB INTERIOR (2) Safety Yellow, Crew Cab

GAUGE CLUSTER English With English Electronic Speedometer

Includes

: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter

: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout

: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

GAUGE, OIL TEMP, ALLISON TRAN

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

GAUGE, DEF FLUID LEVEL

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

GRAB HANDLE (2) Black, Aluminum; for Cab Entry Mounted Left and Right each Side at "B" Pillar

MIRRORS (2) {Lang Mekra} Rectangular, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms

SEAT BELT All Orange; 1 to 3

CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") With Cab Air Suspension

Description

AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

INSTRUMENT PANEL Center Section, Flat Panel

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

HVAC FRESH AIR FILTER

STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

CAB INTERIOR TRIM Deluxe;

Includes

- : "A" PILLAR COVER Molded Plastic
- : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering
- : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket
- : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors
- : FLOOR COVERING Rubber, Black
- : HEADLINER Soft Padded Cloth
- : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
- : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door
- : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

CAB REAR SUSPENSION Air Bag Type

WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

- : PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

- : PAINT IDENTITY, REAR WHEELS White

Description

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

WHEEL SEALS, FRONT Oil-Lubricated Wheel Bearings

WHEEL BEARING, FRONT, LUBE {EmGard 50W} Synthetic Oil

(4) TIRE, REAR 11R22.5 G622 RSD (GOODYEAR) 497 rev/mile, load range G, 14 ply

(2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

Cab schCab schematic 100GA

Location 1: 9219, White (Std)

Chassis schematic N/A

Services Section:

WARRANTY Standard

16' Platform Body with front cut outs on both sides
And including side and rear steel stake racks

3 spare tires and wheels

ADDITIONAL EQUIPMENT:

Install "RIDOT" supplied seal on cab doors

Mud flaps

Fire extinguisher

Reflector kit

First Aid kit

Two (2) "Gripstrut" wheel chocks with slide in brackets

GPS/AVL with telematics to be installed and operational with each vehicle. All required equipment and wiring shall be fully furnished and installed prior to delivery. Mapping, and data services must be able to work in conjunction with the Department's current system (Web Tech Wireless). GPS/AVL data functioning shall include advanced reporting, telematics and real time mapping with a minimum of 10 second update intervals for a one year period.

INSTALL STATE SUPPLIED TWO WAY RADIO

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

Truck Mounted Full Matrix Modular PVMS Display

Truck Mounted Full Matrix PVMS Displays, including Installation of the PVMS.

Construction and Configuration

Mounting	Truck Bed Mount
Material	Aluminum Display Panel Frame
Lift Mechanism	Power actuator to initiate lifting of Display panel
Display Panel Support	The Display Panel shall be lifted to provide clearance for cab roof Mounted light bar visibility
Coating	Tubular steel frame
Display Panel	Black power coat finish or primer with black urethane finish

Type	Full Matrix sign composed of interchangeable display modules
Size	Pixel arrangement of no less than 24 pixels x 48 pixels and no greater than 30 pixels x 56 pixels.
Pixel LED's	Each pixel shall be composed of 1, 2 or 4 LED's in a closely spaced arrangement so to as to appear as a single round image at normal viewing distances.
LED Color	590nm (+/-2mm) amber-colored LED
LED Viewing Angle	24° to 30° cone of vision
Standard Font	5 pixels wide by 7 pixels high
LED Output Level	Automatically adjusts to ambient conditions and also manually adjustable from 0 to 100%

Sign Controller

Type	Handheld control unit shall be able to be operated from inside the truck cab
Menu Display	Control panel shall provide sign status and current message display or display or display sequence name.
Actuator Control	Shall provide control of Display Panel lift mechanism
Battery Monitoring	Shall display battery output parameters or provide a low battery warning
Security	Shall be password protected

Sign Display Features

Typical Message	Three (3) Line display with Eight (8) 12" Characters on each Line
Messages	99 user-programmable messages, minimum
Fonts	Shall include multiple sizes and widths or fonts
Graphics	Arrow Board function, at a minimum
Programming	User shall be able to create, edit, save and display messages of single and multiple pages

Network and Remote Control Functions

The truck Mounted Full Matrix Modular PVMS Display shall be able to be controlled remotely over a public cellular data network from a manufacturer supplied central controller or NTCIP compatible VMS control system.

Electrical and Environmental Requirements

Display Panel Power	12 VDC from the vehicle's electrical system
Operating Temperature	-22°F to 164°F, Minimum

Installation Requirement

Installation should be done according to the industry and RIDOT Standards

Maintenance, Repair and Extended Warranty

Prior to award, vendor must furnish a maintenance schedule that includes what will be covered under the scheduled maintenance based on manufactures recommendations.

Prior to award, Vendor must identify and list local repair representative(s) who shall respond within a 72 hour period during normal business hours. Monday through Friday between 7AM and 3PM of a service call during life of the maintenance, and extended warranty. Repair representative will repair the PVMS at its field location or at RIDOT facilities.

All associated maintenance of the PVMS equipment including solar panel system support and battery charging / maintenance is the responsibility of the contractor during the (2) two year maintenance, repair and extended warranty period. The vendor shall assume responsibility for all damaged PVMS equipment deployed, including but not limited to, due to rodent damage and adverse weather that may occur during this two year period.

The maintenance repair and extended warranty will apply to all equipment furnished under this procurement including the PVMS, and CTTV.

Training

All training and manuals shall be performed or supplied by factory trained personnel. Classes shall be for up to 6 people and for minimum of 4 hours, covering operation and troubleshooting. A complete set of Operations and Maintenance Manual shall be provided by the vendor for each PVMS purchased.

OPTIONS (TO BE QUOTED SEPARATELY)

Optional Software to Further Enhance the Truck Mounted PVMS Operations is as Follows

A. Message Download

This option shall allow for the sign operator to create custom message and/or sequences on a remote PC computer. These messages can be downloaded directly into the PVMS computer instantly for use on the message board.

A panel mounted computer download plug shall be provided for those operators with multiple PVMS or operators who prefer to create their own messages and sequences at their office instead of at the sign controller. This option allows the operator to completely program the sign messages, sequences and calendar of display times on an IBM compatible desktop or laptop computer. Once the user creates the display messages and sequences this information can be downloaded in the PVMS instantly by simply plugging in the compatible computer into the download port located on the PVMS control panel.

B. Time Clock Operations

This option allows the PVMS to be controlled by sophisticated software that can be re-programmed for automatic operation for any period from minutes to up to 10 years in advance. In addition sequences can be programmed for display on different days of the week at different hours of the day. All messages and sequences be independently programmable and shall have no limitations on nesting one within the other.

C. Computer Base Station Operation

This option allows the sign operator to have complete remote control of the on-board controller. The operator can monitor and remotely control one or multiple PVMS as if they were being controlled locally. A Standard Base Station includes Dual Core compatible computer that runs on Microsoft Windows 7 Professional 64 bit operating systems. A 12" monochrome monitor, modem, and communication software and shall support TCP/IP Protocols.

Contract Terms and Conditions

Table of Contents

Terms and Conditions.....VII
 BID STANDARD TERMS AND CONDITIONSVII
 TERMS AND CONDITIONS FOR THIS BIDVII
 RIVIP INFO - BID SUBMISSION REQUIREMENTSVII

Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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**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.