



# Request for Quote

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

CREATION DATE : 17-SEP-13  
BID NUMBER: 7511372  
TITLE: PARKING LOT REPAIR, RE-SEALING, AND RE-STRIPING, CAPITOL HILL COMPLEX  
  
BLANKET START : 01-OCT-13  
BLANKET END : 30-JUN-14  
BID CLOSING DATE AND TIME:09-OCT-2013 01:30:00

BUYER: Cadoret, David  
PHONE #: N/A

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DOA CONTROLLER  
ONE CAPITOL HILL, 4TH FLOOR  
SMITH ST  
PROVIDENCE, RI 02908  
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DOA CENTRAL SERVICES  
ONE CAPITOL HILL, 2ND FLOOR  
SMITH ST  
PROVIDENCE, RI 02908  
US

Requisition Number: 1336249

Note to Bidders: Questions concerning this solicitation may be e-mailed to the Division of Purchases at [bidinfo@purchasing.ri.gov](mailto:bidinfo@purchasing.ri.gov) no later than September 27, 2013 at 5PM (est). Please reference the RFQ number (7511372) on all correspondence. Questions should be submitted in a Microsoft word attachment. Answers to questions received, if any, will be posted on the internet as an addendum to this solicitation ([www.purchasing.ri.gov](http://www.purchasing.ri.gov)). It is the responsibility of all interested parties to download this information.

Line	Description	Quantity	Unit	Unit Price	Total
1	CAPITOL HILL COMPLEX PARKING LOT REPAIR, SEALCOAT & RESTRIPE AS PER ATTACHED SPECIFICATIONS	1.00	TOTAL		

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



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Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
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**BID 7511372-SCOPE OF WORK**  
**Capitol Hill Campus**  
**Providence, Rhode Island**  
**Parking Lot Repair, Re-sealing, and Re-striping**

**Background and Purpose:**

The intent of this RFQ is to solicit bids from qualified contractors for the repair, re-sealing and restriping of exterior parking lots throughout the State of Rhode Island's Capitol Hill campus. The affected areas include the upper and lower Powers Building lots, the Cannon building lot, the State House upper legislative lot, and a number of vehicular access ways throughout the complex. For a detailed description and locations of affected areas, please see the attached photographs available on this bid listing in disc format.

The approximate square footages of the affected areas are as follows:

Powers Building Upper Lot:	+/- 30,000 s.f.
Powers Building Lower Lot:	+/- 80,350 s.f.
Canon Building Lot:	+/- 53,150 s.f.
State House Upper Legislative Lot:	+/- 17,775 s.f.
<u>Additional Vehicular access ways:</u>	<u>+/- 35,500 s.f.</u>
Total:	+/- 216,775 s.f.

In addition to the general repair of cracks and defects throughout the areas identified above, all areas of work shall be re-sealed and re-stripped in an identical manner to their current configuration. The only exception to this shall be the minor re-configuration of striping adjacent to the Cannon Building; this area shall be reconfigured to provide a van-accessible parking spot. It is assumed that modification to existing striping pattern is all that will be required in order to achieve this, and one regular parking spot may be lost as a result of these modifications.

**General:**

This work shall consist of an application of hot applied, single component polymer modified asphalt rubber, supplied in solid form used to seal cracks or joints in asphalt concrete or Portland cement concrete pavements. Cracks or joints that will be sealed shall be a minimum of ¼" wide at time of work, and have a maximum width of 1". The work involves furnishing and placing all materials on existing pavement surfaces in accordance with this specification.



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**Materials:**

Materials shall be a premixed, single component mixture of asphalt cement, aromatic extender oils, polymers, and granulated rubber in a closely controlled manufacturing process. Materials will conform to the following specifications when heated in accordance to ASTM D5078 to the manufacturer's maximum safe heating temperatures.

**Test Specifications:**

Cone Penetration (ASTM D5329) 20-40  
Resilience (ASTM D5329) 30% Minimum  
Softening Point (ASTM D113) 210°F (99°C) Minimum  
Ductility, 77F (25C) (ASTM DI 13) 30 cm Minimum  
Flexibility (ASTM D3111\*Modified) Pass at 30°F (-1°C)  
Flow 140°F (60°C) (ASTM D5329) 3 mm Maximum  
Brookfield Viscosity, 400°F (204°C) (ASTM D2669) 100 Poise Maximum  
Asphalt Compatibility (ASTM D5329) Pass  
Bitumen Content (ASTM D4) 60% Minimum  
Tensile Adhesion (ASTM D5329) 400% Minimum  
Maximum Heating Temperature 400°F (204°C)  
Minimum Heating Temperature 380°F (193°C)  
\*Specimen bent 90° over a 1-inch mandrel within 10 seconds

**Submittals:**

Prior to application, the Contractor shall submit manufacturer's cut sheets and certification of compliance to the Owner for all materials to be used in the work.

**Equipment:**

The melter applicator unit shall be a self-contained double boiler device with transmittal of heat through heat transfer oil. It must be equipped with an on board automatic heat controlling device to permit the attainment of a predetermined temperature, and then maintain that temperature as long as required. The unit shall also have a means to vigorously and continuously agitate the sealant to meet the requirements of Appendix XLI of ATSM D6690. The sealant shall be applied to the pavement under pressure supplied



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by a gear pump with a hose and wand and direct connecting applicator tip. The pump shall have sufficient pressure to apply designated sealant at a rate of at least three (3) gallons (11.4 L) per minute. Melter applicators shall be approved for use by the sealant manufacturer.

**Application:**

The sealant shall be applied in the crack or joint reservoir uniformly from bottom to top and shall be filled without formation of entrapped air or voids. The crack or joint shall be slightly overfilled then leveled with a 3" sealing disk or v-shaped squeegee to create a neat band aid extending +/- 1" on each side of the crack or joint for surface strength and waterproofing. The band aid shall not be more than 1/8" in thickness above the pavement surface.

**Cleaning and Preparing Cracks or Joints:**

Prior to application of polymer modified asphalt rubber, all cracks or joints shall be cleaned out of any debris and dust. As directed by the Owner, final cleaning of the cracks or joints shall be vacuumed or blown out with air blowers or compressed air. On cracks that have spacing which creates more than 1/8" movement it is recommended that cracks be routed.

**Routing:**

Routing, when required, is incidental work and is included in the project cost. Routing the cracks should be used to create a sealant reservoir. Cutting should remove at least 1/8" (3 mm) from each side and produce vertical, intact surfaces with no loosely bonded aggregate. Joints and cracks should be routed to 3/4" (19mm) W x 3/4" (19mm) D configuration for a typical application.



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**Cleaning and Vacuuming:**

Final cleaning shall thoroughly clean cracks and joints to a minimum of 1". The vacuum unit shall use high pressure 90 psi (620 kPa) minimum, dry, oil free compressed air to remove any remaining dust, directly attached to a vacuum unit to collect the dust and residue. Both sides of the crack or joint shall be cleaned. Surfaces will be inspected to assure adequate cleanliness and dryness.

**Opening to Traffic:**

Material shall not be exposed to traffic until fully cured. If sealed area must be open to traffic a blotter material may be applied to surface of polymer modified asphalt rubber.

**Blotter:**

On two lane roads or where traffic may be likely to come in contact with the hot sealant before it cures, a blotter or specialized bond breaking material may be required to prevent asphalt bleeding and/or pickup of sealant by vehicular traffic. Blotter material should be compatible with crack sealant and any surface treatment being used.

**Pavement Temperatures:**

Polymer modified asphalt rubber shall be applied when pavement temperature exceeds 40°F (4°C). Lower temperatures may result in reduced adhesion due to the presence of moisture or ice. If pavement temperature is lower than 40°F (4°C), it may be warmed using a heat lance that puts no direct flame on the pavement. If installing at lower pavement temperatures than 40°F (4°C), extreme care should be used to insure that cracks or joints are dry and free from ice and other contaminants. Product temperatures should be maintained at the maximum heating temperature recommended by the manufacturer. If installing at night, ensure that dew does not form on the pavement surface. Applied product should be checked by qualified personnel to ensure that adhesion is adequate.



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**Payment:**

Payment for this work shall be included in the lump sum price for this work and will be full compensation for furnishing and placing all materials specified and used, with no allowance for waste, and shall include labor, equipment, tools, and incidentals to complete the work as prescribed and as directed by the Owner.

No payment will be made for materials rejected due to improper placement, improper proportions of materials, or material found to be defective or outside of specifications.

**Placement and Construction of Asphalt Emulsion Sealcoat:**

**Description:**

The work covered by this specification consists of furnishing all labor, equipment, and materials necessary to perform all operations required for the application of an asphalt emulsion seal coat surface

**Materials:**

The asphalt emulsion material, mineral aggregate and mineral filler shall be as specified. Rubberized sand slurry pavement sealer shall be applied in a minimum of two coats at an application rate of a minimum of .30 gallons of slurry per square yard with a minimum slurry mixture ratio of 4.5 pounds of sand per gallon of sealer. All entrances to the parking areas shall receive a third coat of sealer extending into the parking area a minimum of twenty feet from the adjacent roadway surface.

**Equipment:**

332.3.1 General: When requested by the Owner, descriptive information on the slurry seal mixing and applications equipment to be used will be submitted for approval no less than 7 days before the work starts.

Self-contained Slurry Machine: The mixing machine will be a continuous flow type. It will be capable of accurately delivering a predetermined proportion of pre-wetted aggregate, mineral filler, water and asphalt emulsion to the mixing chamber and discharging the thoroughly blended mixture on a continuous basis. The mixing machine will be equipped with a mineral filler feeder. The feeder will



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have an accurate metering device or method to introduce a predetermined proportion into the mixer. The filler will be introduced into the mixing chamber at the same time and location as the aggregate. The mixing machine will be equipped with a water pressure system and fog-type spray bar, adequate for complete water fogging of the surface to be sealed.

The mixing machine will be mounted on a truck or other vehicle capable of producing evenly controlled low rates of speed throughout the operation to ensure the slurry is spread evenly and all cracks are filled.

Slurry Spreading Equipment: Attached to the mixer machine shall be a mechanical type squeegee spreader equipped with flexible material in contact with the surface to prevent loss of slurry from the distributor. It shall be maintained to prevent loss of slurry on varying grades and crown by adjustments to assure uniform spread. There shall be a steering device and a flexible strike-off. The spreader box shall have an adjustable width. The box shall be kept clean. Build-up of asphalt and aggregate on the box shall not be permitted. The use of burlap drags or other drags shall be approved by the Owner.

Rollers: Rollers shall be approved by the Owner.

Cleaning Equipment: Power brooms, pick-up brooms, air compressors, water flushing equipment, and hand brooms shall be suitable for cleaning the surface and cracks of the old surface.

Auxiliary Equipment: Hand squeegees, shovels, and other equipment shall be provided as necessary to perform the work.

**Preparation of the Surface:**

Immediately before applying the slurry, the area to be surfaced shall be cleaned of dirt, loose material, and other objectionable material. The surface shall be cleaned with a self-propelled pick-up sweeper. When necessary, cleaning shall be supplemented by hand brooms. Water flushing will not be permitted in areas where cracks are present in the pavement surface. The slurry shall not be applied until an inspection of the surface has been made by the Owner and he has determined that it is suitable.



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**Tack Coat:**

Where required, a tack coat shall be applied using the same type and grade of asphalt emulsion as specified for the slurry seal.

**Protection of Surrounding Surfaces:**

Contractor shall ensure that all surrounding surfaces are protected and no excess slurry material shall be allowed to contaminate any surrounding curbs, sidewalks, guardrails, buildings or other surfaces. Contractor shall be completely responsible for cleaning, repair or replacement of any surfaces or materials that are contaminated as a result of this work.

**Weather Limitations:**

The slurry seal shall not be applied unless the pavement temperature is at least 40°F. and rising. The mixture shall not be applied during unsuitable weather.

**Protection of Uncured Surface:**

Adequate methods such as barricades, flagmen, pilot cars, etc., shall be used to protect the uncured slurry surface from all types of traffic.

**Mixing and Application:**

The mixing time shall not exceed four minutes unless approved material manufacturer's specifications require additional mixing. Excessive mixing will not be allowed. The resulting mixture shall have the desired consistency, when placed on the surface. If breaking, hardening, segregation, balling or lumping occurs during the mixing process, the batch will be discarded. A sufficient amount of slurry shall be carried in all parts of the spreader at all times so that a complete coverage is obtained. No streaks caused by oversized aggregate shall be left in the finished surface. Build-up on longitudinal and transverse joints will be kept to a minimum. Approved squeegees shall be used to spread slurry in areas non-accessible to the slurry mixer.



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**Measurement:**

Quantities and materials for this work will be paid for under the lump sum price provided by the vendor for this work.

**Treatment of Cracks Larger than 1" Wide:**

**Description:**

Portions of the existing parking lots contain cracks of a width and depth larger than can be adequately filled via the repair process described above. Many of these cracks and deficiencies occur in areas adjacent to manhole covers or storm drains and vary in width from 1" up to 8". Locations in need of remediation shall be determined in the field by the awarded contractor. For the purposes of bidding the work, the contractor is to assume that approximately 2,500 linear feet of asphalt will need remediation as outlined below.

**Repair:**

Contractor shall remove existing asphalt surfacing and leveling course, regardless of thickness. Replacement asphalt surfacing and leveling course thickness shall closely match that of existing. Contractor shall neatly and cleanly saw cut existing asphalt surfacing to be removed prior to removal. Saw cuts shall be a minimum of two inches 2" deep and shall be straight and parallel. Saw cuts shall be made not less than 1'-0" on either side of the affected areas. Contractor shall apply tack coat to all contact surfaces including curbing, gutters, manholes, and all other adjacent structures with a thin, uniform coating prior to placing asphalt. Butt joints on previously placed cooled pavement shall be tack coated prior to installation of new paving. Paving replacement will be performed by utilizing a mechanical spreader and will be compacted by a mechanical roller weighing not less than ten (10) tons, except that where the area of the asphalt replacement patch is less than one hundred (100) square feet, a mechanical spreader need not be employed. Small areas inaccessible to roller shall be tamped to produce a compression and surface texture equivalent to that produced by the specified rolling. Hand tampers shall have a maximum tamping face of fifty (50) square inches and a minimum weight of twenty-five (25) pounds.

REQUEST FOR QUOTE #7511372

**INSURANCE**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

**RIVIP**

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

**VENDOR SPEC**

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

**WAGE**

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR

REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET AT [www.purchasing.state.ri.us](http://www.purchasing.state.ri.us) . SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER R120030001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE. YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIAL BASIS, ie., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

### **AWARD**

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

### **DELIVERY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

### **FISCAL YR**

AWARDS EXTENDING BEYOND JUNE 30<sup>TH</sup> ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.