



## INVITATION TO BID

**SOLICITATION TITLE:** DOT EXTERIOR BLOCK WALL REPAIRS AND OFFICE COATINGS – D.O.T. MIDSTATE MAINTENANCE FACILITY

**SOLICITATION NUMBER:** 7549040

**BID PROPOSAL SUBMISSION DEADLINE:** October 23, 2014 at 10:30 AM

### PREBID CONFERENCE

NONMANDATORY

MANDATORY → Bidder must attend the mandatory prebid conference. The bidder’s representative must register with the Division of Purchases at the mandatory prebid conference and identify the bidder he or she represents.

**Location:** D.O.T. MIDSTATE MAINTENANCE FACILITY, 2400 NEW LONDON TURNPIKE, EAST GREENWICH, RI

**Date:** Wednesday, October 08, 2014

**Time:** 9:00 AM

**QUESTIONS** about this solicitation must be emailed and received by the Division of Purchases at [LISA.HILL@PURCHASING.RI.GOV](mailto:LISA.HILL@PURCHASING.RI.GOV) no later than Thursday, October 16, 2014, 5:00 PM, in a Microsoft Word attachment with the corresponding solicitation number. Questions, if any, and responses will be posted on the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov) as an addendum to this solicitation

**BID BOND REQUIRED:**  NO  
 YES

**PAYMENT AND PERFORMANCE BOND REQUIRED:**  NO  
 YES

**SPECIFICATIONS AND PLANS:**  NO  
 YES → See Electronic Solicitation Bidding Information.  
Click on the online active “D” link in the “info” column.

**Continued onto next page**



## INVITATION TO BID

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**SOLICITATION NUMBER:** 7549040  
**BID PROPOSAL SUBMISSION DEADLINE:** October 23, 2014 at 10:30 AM

**RIVIP REGISTRATION:** Bidders must be registered vendors through the online Division of Purchases Rhode Island Vendor Information Program at [www.purchasing.ri.gov](http://www.purchasing.ri.gov). To register or update information, click on “Vendor Center,” then “Vendor Information” from the dropdown menu on the left.

**BIDDER CERTIFICATION COVER FORM:** Bidders must download (obtainable at [www.purchasing.ri.gov](http://www.purchasing.ri.gov)), complete, and submit a Bidder Certification Cover Form with each bid proposal.

The State of Rhode Island through its, Department of Administration, Division of Purchases, is soliciting bid proposals to perform the work described in the plans and specifications dated August 1, 2014 For the Project in accordance with this solicitation.

Bidders are invited to submit bid proposals to the Division of Purchases by the bid proposal submission deadline.

This solicitation contains, and is subject to the terms and conditions of, the Invitation to Bid, Instructions to Bidders, Bid Preparation Checklist (with applicable forms), Agreement, General Conditions, any Supplemental Conditions, Specifications and Plans, Bidder Certification Cover Form, and Bid Form. The solicitation is available at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

The award of the contract pursuant to this solicitation will be made to the responsive and responsible bidder with the lowest bid price. *The Division of Purchases reserves the right to waive any technicalities in the bid proposals, accept or reject any bid proposal, award a contract in the best interest of the State, or revoke any solicitation.*

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## INVITATION TO BID

### Electronic Solicitation Bidding Information

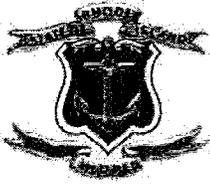
#### **Downloading and Accessing Additional Electronic Solicitation Files**

Accessing electronic files on the purchasing website will require Adobe viewer. All bid solicitations that include a "D" in the "Info" column will require WinZip 8.1 software. The WinZip file may contain one or more files. These files may require additional software such as Microsoft Office.

Specifications that have a file for download are marked with a "D" in the "Info" field of the bid search results page located on the Purchasing website. The "D" will indicate an active link to the WinZip file until the bid reaches its opening date. Clicking on the active "D" link will allow you to open or save the WinZip file associated with the bid. Opening the WinZip file will offer you the option of saving to your local computer.

Once saved, you can open the WinZip file and view the files. The individual files can be saved to your computer in a location such as "Desktop" or "My Documents".

**Buyer Name: LISA HILL, Title: CHIEF BUYER**



# Request for Quote

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

CREATION DATE : 29-SEP-14  
BID NUMBER: 7549040  
TITLE: DOT MIDSTATE MAINTENANCE FACILITY BLOCK  
WALL REPAIRS AND COATINGS  
  
BID CLOSING DATE AND TIME: 23-OCT-2014 10:30:00

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

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DOT ACCOUNTS PAYABLE  
TWO CAPITOL HILL, RM 230  
SMITH ST  
PROVIDENCE, RI 02903  
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DOT MAINTENANCE BUSINESS OFFICE  
360 LINCOLN AVE  
WARWICK, RI 02888  
US

Requisition Number: 1387824

Note to Bidders: A MANDATORY PRE-BID CONFERENCE WILL BE HELD AT THE MIDSTATE FACILITY LOCATED AT 2400 NEW LONDON  
TURNPIKE, EAST GREENWICH AS FOLLOWS:  
DATE: WEDNESDAY, OCTOBER 8, 2014  
TIME: 9:00 A.M.

ALL QUESTIONS RELATIVE TO THIS SOLICITATION SHALL BE DIRECTED TO LISA HILL AT [LISA.HILL@PURCHASING.RI.GOV](mailto:LISA.HILL@PURCHASING.RI.GOV)

Line	Description	Quantity	Unit	Unit Price	Total
1	TOTAL COST TO PERFORM ALL BLOCK WALL AND COLUMN REPAIRS AND OFFICE FLOOR COATING REPAIR AND PROTECTION AT THE MIDSTATE FACILITY PER SPECIFICATIONS. PRICE IS TO INCLUDE FURNISHING ALL LABOR, MATERIALS EQUIPMENT, TOOLS, TRANSPORTATION AND INCIDENTAL SUPPLIES REQUIRED TO COMPLETE THE WORK.	1.00	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

**Contract Terms and Conditions**

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**Terms and Conditions**

**BID STANDARD TERMS AND CONDITIONS**

**TERMS AND CONDITIONS FOR THIS BID**

**SURETY REQUIREMENTS**

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

**WAGE REQUIREMENTS**

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.ri.gov](http://www.purchasing.ri.gov). SELECT "BIDDING INFORMATION", THEN "GENERAL INFORMATION", AND THEN SELECT "PREVAILING WAGE TABLES". 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-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

**INSURANCE REQUIREMENTS**

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.

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

(AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT,  
WHICHEVER IS GREATER. \* VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION &  
INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.



State of Rhode Island Department of Administration  
Division of Purchases

REVISED  
November 20, 2013

**NOTICE TO VENDORS**

Each bid proposal for a *public works project* must include a "public copy" to be available for public inspection upon the opening of bids. **Bid proposals that do not include a copy for public inspection will be deemed nonresponsive.**

The public copy must be submitted in .pdf (portable document file) format on a *read-only* CD-R media disc. The disc must include *all of the documents* submitted in response to the solicitation concatenated or merged into one file. The file must be named in the following manner:

BidNumber\_DateofBid\_VendorName\_VendorID.pdf

The Bidder Certification Cover Form contains all of the information for the file name. The date of bid must appear as mm-dd-yyyy. The vendor name must appear as one word, with no spaces or punctuation. Underscores must separate the fields.

**Example:** 7543210\_11-08-2013\_OceanStateCompanyInc\_9867.pdf

The public copy disc must be separately enclosed in a protective cover clearly marked "Public Copy" and include the following information (all available from the Bidder Certification Cover Form): (1) title of solicitation; (2) name of bidder and RIVIP vendor ID number; (3) bid number; and (4) date of bid.

The public copy may redact any trade secrets or commercial or financial information which is of a privileged or confidential nature pursuant to the "Access to Public Records Act," R. I. Gen. Laws §§ 38-2-1 *et seq.*

For further information on how to comply with this statutory requirement, see R. I. Gen. Laws §§ 37-2-18(b) and (j). Also see Procurement Regulation 5.11 accessible at [www.purchasing.ri.gov](http://www.purchasing.ri.gov)



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Labor and Training

Center General Complex

1511 Pontiac Avenue  
Cranston, RI 02920-4407

TTY: Via RI Relay 711

Lincoln D. Chafee  
Governor  
Charles J. Fogarty  
Director

**STATE CONTRACT ADDENDUM**

**RHODE ISLAND DEPARTMENT OF LABOR AND TRAINING**

**PREVAILING WAGE REQUIREMENTS  
(37-13-1 ET SEQ.)**

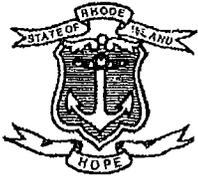
The prevailing wage requirements are generally set forth in RIGL 37-13-1 et seq. These requirements refer to the prevailing rate of pay for regular, holiday, and overtime wages to be paid to each craftsmen, mechanic, teamster, laborer, or other type of worker performing work on public works projects when state or municipal funds exceed one thousand dollars (\$1,000).

All Prevailing Wage Contractors and Subcontractors are required to:

1. Submit to the Awarding Authority a list of the contractor's subcontractors for any part or all of the prevailing wage work in accordance with RIGL § 37-13-4;
2. Pay all prevailing wage employees at least once per week and in accordance with RIGL §37-13-7 (see Appendix B attached);
3. Post the prevailing wage rate scale and the Department of Labor and Training's prevailing wage poster in a prominent and easily accessible place on the work site in accordance with RIGL §37-13-11; posters may be downloaded at [www.dlt.ri.gov/pw/Posters.htm](http://www.dlt.ri.gov/pw/Posters.htm) or obtained from the Department of Labor and Training, Center General Complex, 1511 Pontiac Avenue, Cranston, Rhode Island;
4. Access the Department of Labor and Training website, at [www.dlt.ri.gov](http://www.dlt.ri.gov) on or before July 1st of each year, until such time as the contract is completed, to ascertain the current prevailing wage rates and the amount of payment or contributions for each covered prevailing wage employee and make any necessary adjustments to the covered employee's prevailing wage rates effective July 1st of each year in compliance with RIGL §37-13-8;
5. Attach a copy of this CONTRACT ADDENDUM and its attachments as a binding obligation to any and all contracts between the contractor and any

*An Equal Opportunity Employer/Program./Auxiliary aids and services are available upon request to individuals with disabilities.*

TTY via RI Relay 711



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Labor and Training

Center General Complex  
1511 Pontiac Avenue  
Cranston, RI 02920-4407

Telephone; (401) 462-8000  
TTY; Via RI Relay 711

Lincoln D. Chafee  
Governor  
Charles J. Fogarty  
Director

subcontractors and their assignees for prevailing wage work performed pursuant to this contract;

6. Provide for the payment of overtime for prevailing wage employees who work in excess of eight (8) hours in any one day or forty (40) hours in any one week as provided by RIGL §37-13-10;
7. Maintain accurate prevailing wage employee payroll records on a Rhode Island Certified Weekly Payroll form available for download at [www.dlt.ri.gov/pw.forms/htm](http://www.dlt.ri.gov/pw.forms/htm), as required by RIGL §37-13-13, and make those records available to the Department of Labor and Training upon request;
8. Furnish the fully executed RI Certified Weekly Payroll Form to the awarding authority on a monthly basis for all work completed in the preceding month.
9. For general or primary contracts one million dollars (\$1,000,000) or more, shall maintain on the work site a fully executed RI Certified Prevailing Wage Daily Log listing the contractor's employees employed each day on the public works site; the RI Certified Prevailing Wage Daily Log shall be available for inspection on the public works site at all times; this rule shall not apply to road, highway, or bridge public works projects. Where applicable, furnish both the Rhode Island Certified Prevailing Wage Daily Log together with the Rhode Island Weekly Certified Payroll to the awarding authority.
10. Assure that all covered prevailing wage employees on construction projects with a total project cost of one hundred thousand dollars (\$100,000) or more has a OSHA ten (10) hour construction safety certification in compliance with RIGL § 37-23-1;
11. Employ apprentices for the performance of the awarded contract when the contract is valued at one million dollars (\$1,000,000) or more, and comply with the apprentice to journeyman ratio for each trade approved by the apprenticeship council of the Department of Labor and Training in compliance with RIGL §37-13-3.1;
12. Assure that all prevailing wage employees who perform work which requires a Rhode Island trade license possess the appropriate Rhode Island trade license in compliance with Rhode Island law; and

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TTY via Rf Relay 711



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Governor  
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Director

13. Comply with all applicable provisions of RIGL §37-13-1, et. seq;

Any questions or concerns regarding this CONTRACT ADDENDUM should be addressed to the contractor or subcontractor's attorney. Additional Prevailing Wage information may be obtained from the Department of Labor and Training at [www.dlt.ri.gov/pw](http://www.dlt.ri.gov/pw).

**CERTIFICATION**

I hereby certify that I have reviewed this CONTRACT ADDENDUM and understand my obligations as stated above.

By: \_\_\_\_\_

Title: \_\_\_\_\_

Subscribed and sworn before me this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public  
My commission expires: \_\_\_\_\_

*An Equal Opportunity Employer/Program, /Auxiliary aids and services are available upon request to individuals with disabilities.*

*TTY via RI Relay 711*



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Labor and Training

Center General Complex

1511 Pontiac Avenue

Cranston, RI 02920-4407

Telephone: (401) 462-8000

APPENDIX A

**TITLE 37**

**Public Property and Works**

**CHAPTER 37-13**

**Labor and Payment of Debts by Contractors**

**SECTION 37-13-5**

**§37-13-5 Payment for trucking or materials furnished - Withholding of sums due.** -A contractor or subcontractor on public works authorized by a proper authority shall pay any obligation or charge for trucking and material which have been furnished for the use of the contractor or subcontractor, in connection with the public works being performed by him or her, within ninety (90) days after the obligation or charge is incurred or the trucking service has been performed or the material has been delivered to the site of the work, whichever is later. When it is brought to the notice of the proper authority in a city or town, or the proper authority in the state having supervision of the contract, that the obligation or charge has not been paid by the contractor or subcontractor, the proper authority may deduct and hold for a period not exceeding sixty (60) days, from sums of money due to the contractor or subcontractor, the equivalent amount of such sums certified by a trucker or materialman creditor as due him or her, as provided in this section, and which the proper authority determines is reasonable for trucking performed or materials furnished for the public works.

APPENDIX B

**TITLE 37**

**Public Property and Works**

**CHAPTER 37-13**

**Labor and Payment of Debts by Contractors**

**SECTION 37-13-7**

**§ 37-13-7 Specification in contract of amount and frequency of payment of wages.**

-(a) Every call for bids for every contract in excess of one thousand dollars (\$1,000), to which the state of Rhode Island or any political subdivision thereof or any public agency or quasi-public agency is a party, for construction, alteration, and/or repair, including painting and decorating, of public buildings or public works of the state of Rhode Island or any political subdivision thereof, or any public agency or quasi-public agency and which requires or involves the employment of employees, shall contain a provision stating the minimum wages to be paid various types of employees which shall be based upon the wages that will be determined by the director of labor and training to be prevailing for the corresponding types of employees employed on projects of a character similar to the contract work in the city, town, village, or other appropriate political subdivision of the state of Rhode Island in which the work is to be performed. Every contract shall contain a stipulation that the contractor or his or her subcontractor shall pay all the employees employed directly upon the site of the work, unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account, the full amounts accrued at time of payment computed at wage rates not less than those stated in the call for bids, regardless of any contractual relationships which may be alleged to exist between the contractor or subcontractor and the employees, and that the scale of wages to be paid shall be posted by the contractor in a prominent and easily accessible place at the site of the work; and the further stipulation that there may be withheld from the contractor so much of the accrued payments as may be considered necessary to pay to the employees employed by the contractor, or any subcontractor on the work, the difference between the rates of wages required by the contract to be paid the employees on the work and the rates of wages received by the employees and not refunded to the contractor, subcontractors, or their agents.

(b) The terms "wages", "scale of wages", "wage rates", "minimum wages", and "prevailing wages" shall include:

- (1) The basic hourly rate of pay; and
- (2) The amount of:

(A) The rate of contribution made by a contractor or subcontractor to a trustee or to a third person pursuant to a fund, plan, or program; and

(B) The rate of costs to the contractor or subcontractor which may be reasonably anticipated in providing benefits to employees pursuant to an enforceable commitment to carry out a financially responsible plan or program which was communicated in writing to the employees affected, for medical or hospital care, pensions on retirement or death, compensation for injuries or illness resulting from occupational activity, or insurance to provide any of the foregoing, for unemployment benefits, life insurance, disability and sickness insurance, or accident insurance, for vacation and holiday pay, for defraying costs of apprenticeship or other similar programs, or for other bona fide fringe benefits, but only where the contractor or subcontractor is not required by other federal, state, or local law to provide any of the benefits; provided, that the obligation of a contractor or subcontractor to make payment in accordance with the prevailing wage determinations of the director of labor and training insofar as this chapter of this title and other acts incorporating this chapter of this title by reference are concerned may be discharged by the making of payments in cash, by the making of contributions of a type referred to in subsection (b)(2), or by the assumption of an enforceable commitment to bear the costs of a plan or program of a type referred to in this subdivision, or any combination thereof, where the aggregate of any payments, contributions, and costs is not less than the rate of pay described in subsection (b)(1) plus the amount referred to in subsection (b)(2).

(c) The term "employees", as used in this section, shall include employees of contractors or subcontractors performing jobs on various types of public works including mechanics, apprentices, teamsters, chauffeurs, and laborers engaged in the transportation of gravel or fill to the site of public works, the removal and/or delivery of gravel or fill or ready-mix concrete, sand, bituminous stone, or asphalt flowable fill from the site of public works, or the transportation or removal of gravel or fill from one location to another on the site of public works, and the employment of the employees shall be subject to the provisions of subsections (a) and (b).

(d) The terms "public agency" and "quasi-public agency" shall include, but not be limited to, the Rhode Island industrial recreational building authority, the Rhode Island economic development corporation, the Rhode Island airport corporation, the Rhode Island industrial facilities corporation, the Rhode Island refunding bond authority, the Rhode Island housing and mortgage finance corporation, the Rhode Island resource recovery corporation, the Rhode Island public transit authority, the Rhode Island student loan authority, the water resources board corporate, the Rhode Island health and education building corporation, the Rhode Island higher education assistance authority, the Rhode Island turnpike and bridge authority, the Narragansett Bay water quality management district commission, Rhode Island telecommunications authority, the convention center authority, the board of governors for higher education, the board of regents for elementary and secondary education, the capital center commission, the housing resources commission, the Quonset Point-Davisville management corporation, the Rhode Island children's crusade for higher education, the Rhode Island depositors economic protection corporation, the Rhode Island lottery commission, the Rhode Island

partnership for science and technology, the Rhode Island public building authority, and the Rhode Island underground storage tank board.



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration  
DIVISION OF PURCHASES  
One Capitol Hill  
Providence, RI 02908-5855

Tel: (401) 574-8100  
Fax: (401) 574-8387  
Website: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

**DIVISION OF PURCHASES  
INSTRUCTIONS TO BIDDERS  
PUBLIC WORKS CONSTRUCTION (PWC)**

**Compliance with Instructions to Bidders**

These Instructions to Bidders contain terms and conditions that will govern the preparation and submission of a bid proposal and any contract awarded pursuant to this solicitation.

Bidders must comply with each and every requirement of these Instructions to Bidders. Any failure to comply with any requirement may result in the determination of a nonresponsive bid proposal and/or the rejection of the bid proposal.

**Priority of Terms and Conditions**

The terms and conditions in these Instructions to Bidders *supersede* any and all inconsistent or conflicting terms and conditions in any other provision of any other document in this solicitation or in the bid proposal and govern this solicitation, the bid proposal, and any contract awarded pursuant to this solicitation.

**Offer to Contract**

Bid proposals constitute an offer to contract with the State of Rhode Island through the Department of Administration Division of Purchases on the terms and conditions contained in the solicitation, the laws of the State of Rhode Island, including all procurement statutes and regulations (available at [www.purchasing.ri.gov](http://www.purchasing.ri.gov)), and applicable federal and local law, all of which are incorporated into this solicitation and any contract awarded pursuant to this solicitation by this reference.

## **Comprehensive Review and Inspection**

The bidder is responsible for carefully reviewing all of the requirements of this solicitation, inspecting the project location, including checking and/or verifying measurements, site conditions, any limitations, and other details, prior to preparing and submitting its bid proposal. Failure to submit a complete bid proposal may result in rejection of the bid proposal. Claims for additional costs or time resulting from the bidder's failure to inspect and/or verify will not be considered.

## **Addenda**

Responses to questions from bidders, interpretations of plans and specifications, changes prior to the bid proposal submission deadline, approvals of any substitutions, and supplemental instructions and terms will be posted as addenda on the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov), and all addenda become incorporated into this solicitation upon posting. Bidders are responsible for checking the website to determine the issuance of any addenda. No addenda will be posted within the 5-day period preceding the bid proposal submission deadline except for an addendum withdrawing the solicitation or extending the bid proposal submission deadline.

## **Prebid Conference**

At the discretion of the State Purchasing Agent, a prebid conference - mandatory or nonmandatory - may be held. Bidders must attend a mandatory prebid conference and are encouraged to attend a nonmandatory prebid conference. The bidder's representative must register with the Division of Purchases at a mandatory prebid conference and identify the bidder he or she represents.

## **Costs**

The bidder is responsible for all costs and expenses to develop and submit a bid proposal in response to this solicitation.

## **Preparation of Bid Proposal**

Bid proposals must be made on the Bid Form included in the solicitation and in accordance with the instructions in this solicitation. All applicable blanks must be completed in a legible manner, printed electronically, typed, or handwritten in ink, and amounts must be expressed in both words and figures. In the event of any contradictory terms, handwritten terms prevail over printed or typed terms, and words prevail over figures. Signatures must be in ink. No additional provisions, conditions, or limitations may be made by the bidder, and any erasures and/or corrections must be initialed in ink by the person signing on behalf of the bidder.

This solicitation contains a Bid Preparation Checklist to assist the bidder in preparing a bid proposal for submission.

## **Submission of Bid Proposal**

Each bid proposal (a complete package, with the signed Bidder Certification Cover Form, signed Bid Form, Bid Surety, IRS Form W-9, signed General Contractor Apprenticeship Certification, if applicable, and public copy CD-R media disk) must be submitted in a *separate sealed envelope* with the bidder's name and address and the specific "Solicitation Number," "Solicitation Title," and the "Bid Proposal Submission Deadline" marked in the upper left-hand corner of the envelope.

*The bid proposal must be delivered (via mail, messenger service, or personal delivery) to the Division of Purchases and date-stamped receipted by the date and time specified for the bid proposal submission deadline.* Bidders should mail bid proposals sufficiently in advance of the bid proposal submission deadline to ensure timely delivery to the Division of Purchases or, when delivering a bid proposal in person or by messenger, should allow additional time for parking and clearance through security checkpoints. Bid proposals must be addressed to:

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

Bid proposals that are not received by the Division of Purchases by the bid proposal submission deadline for whatever reason will be deemed late and will not be considered. The submission time will be determined by the time clock in the Division of Purchases. Postmarks will not be considered proof of timely submission.

At the bid proposal submission deadline, bid proposals will be opened and read aloud in public.

## **Bid Price**

The bidder must submit a Base Bid Price on the Bid Form to perform all of the work specified in the solicitation, including the cost of the bonds and any allowances and addenda. The costs of alternates shall not be included in the calculation of the Base Bid Price. The bidder shall separately provide the cost for each alternate listed in the Bid Form. The cost for each alternate must be designated as an addition to, or subtraction from, the Base Bid Price. Alternates will be selected, if any, by the Division of Purchases in the order of priority listed in the Bid Form.

## **Bidder Certification Cover Form**

The bidder must download, complete, sign, and submit the Bidder Certification Cover Form for this solicitation as the first document with each bid proposal. The Bidder Certification Cover Form is downloadable with the solicitation from the Division of Purchases website by logging in as a RIVIP vendor and clicking on the applicable "Bid Number."

## **Public Copy**

Bid proposals submitted in response to this solicitation are public records pursuant to the Rhode Island "Access to Public Records Act," R. I. Gen. Laws §§ 38-2-1 et seq. Each bid proposal must include a "public copy" to be available for public inspection upon the opening of bids. Bidders may redact in the public copy any trade secrets or commercial or financial information which is of a privileged or confidential nature pursuant to the Access to Public Records Act.

The public copy must be submitted in .pdf (portable document file) format on a **read-only** CD-R media disk. The disk must include **all of the documents** submitted in response to the solicitation concatenated or merged into one file.

The public copy disk must be separately enclosed in a protective cover clearly marked "Public Copy" and include the following information: (1) Solicitation Title; (2) name of bidder and RIVIP vendor ID number; (3) Solicitation Number; and (4) bid proposal submission deadline.

The .pdf file must be named in the following manner:

SolicitationNumber\_Bid Proposal Submission Deadline\_BidderName\_VendorID.pdf

The bid proposal submission deadline must appear as mm-dd-yyyy. The bidder name must appear as one word, with no spaces or punctuation. Underscores must separate the fields.

**Example:** 7543210\_11-08-2013\_OceanStateCompanyInc\_9867.pdf

The public copy of each bid proposal will be posted on the Division of Purchases website.

*For Rhode Island Department of Transportation highway and bridge projects, in addition to the Quest Lite compatible electronic copy and one hard copy, the bidder must also include a duplicate original of the Quest Lite compatible electronic copy on a **read-only** CD-R media disk as the "public copy."*

## **Contractors Registration**

The bidder must have and maintain a valid certificate of registration issued by the Contractors' Registration Board throughout the term of the contract awarded pursuant to this solicitation and ensure that its subcontractors, unless exempt from registration, also obtain and maintain valid certificates of registration.

### **Subcontractors**

The bidder must demonstrate that it is able to perform a substantial portion of the work using its own workforce. Any bidder that does not maintain a permanent workforce and/or proposes to perform a disproportionate amount of the work through one or more subcontractors will be considered unqualified. The successful bidder must establish to the satisfaction of the State Purchasing Agent the reliability and responsibility of any subcontractors proposed to perform any work pursuant to this solicitation.

### **Taxes**

The State of Rhode Island is exempt from federal excise taxes and state and municipal sales and use taxes. The bidder shall not include such taxes in any prices in the bid proposal.

### **Bid Surety**

Bidders must furnish, with their bid proposals, either a bid bond from a surety licensed to conduct business in the State of Rhode Island or a certified check payable to the State of Rhode Island in the amount of five (5%) percent of the bid proposal. (*Bidders for Rhode Island Department of Transportation highway and bridge projects must furnish, with their bid proposals, a bid bond from a surety licensed to conduct business in the State of Rhode Island. Certified checks are not permitted for these projects.*) An attorney-in-fact who executes a bond on behalf of the surety must provide a certified current copy of the power of attorney. A successful bidder who fails to submit the additional documentation required by the tentative letter of award and/or fails to commence and pursue the work in accordance with the contract awarded pursuant to this solicitation may forfeit, at the discretion of the State Purchasing Agent, the full amount of the bid surety as liquidated damages. The State will retain the bid surety of all bidders until the earliest of: (i) the issuance of the Purchase Order; (ii) the 61<sup>st</sup> day following the bid proposal submission deadline; or (iii) the rejection of all bid proposals.

### **Divestiture of Investments in Iran Requirement**

No bidder 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 bidder submitting a bid proposal or entering into a renewal of a contract is required to certify that the bidder does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws § 37-2.5-3.

### **Domestic Steel**

Any steel products required by the plans and specifications in this solicitation must be formed, extruded, forged, cast, fabricated, or otherwise processed from steel made in the United States.

### **Withdrawal**

A bidder may withdraw its bid proposal at any time prior to the bid proposal submission deadline. Bid proposals are irrevocable for a period of 60 days following the bid proposal submission deadline.

### **Reservation of Rights**

The Division of Purchases reserves the right, at any time, for any reason, in its sole discretion, to: (i) revoke, suspend, or terminate this solicitation; (ii) accept or reject any and all bid proposals, in whole or in part; (iii) waive any technical defects, irregularities, or omissions in any bid proposals; and/or (iv) terminate any contract awarded pursuant to this solicitation, with or without cause.

### **Award**

The State Purchasing Agent, in his or her sole discretion, will award the contract pursuant to this solicitation to the responsive and responsible bidder who submits the lowest responsive and responsible bid proposal. The State Purchasing Agent may determine, in his or her sole discretion, the low bid proposal on the basis of the amount of the Base Bid Price plus the alternates selected in accordance with the Bid Form. The successful bidder will receive a tentative letter of award from the Division of Purchases with instructions for the bidder to submit further documentation. The successful bidder shall be authorized to commence work only upon the issuance of the Purchase Order by the Division of Purchases and, in addition, an authorization from the user agency. The issuance of the Purchase Order and the continuation of any contract awarded pursuant to this solicitation is contingent upon the availability of funds.

### **Payment and Performance Bonds**

The successful bidder must furnish a 100% payment and performance bond from a surety licensed to conduct business in the State of Rhode Island upon the tentative award of the contract pursuant to this solicitation.

## **Prevailing Wages**

### ***For contracts priced under \$1 Million***

The successful bidder and its subcontractors must pay their workers at the applicable prevailing wage rates (adjusted every July 1) for the various trades on a weekly basis, pay their workers one and one-half times the applicable prevailing wage rates for each hour worked in excess of 8 hours in any one day or 40 hours in any one week, and submit certified weekly payroll forms on a monthly basis to the user agency. Prevailing wage posters and rate schedules, available at the Rhode Island Department of Labor and Training website at [www.dlt.ri.gov](http://www.dlt.ri.gov), must be posted at the project site.

### ***For contracts priced \$1 Million or More***

The successful bidder and its subcontractors must pay their workers at the applicable prevailing wage rates (adjusted every July 1) for the various trades on a weekly basis, pay their workers one and one-half times the applicable prevailing wage rates for each hour worked in excess of 8 hours in any one day or 40 hours in any one week, submit certified weekly payroll forms on a monthly basis to the user agency, and maintain a certified prevailing wage daily log at the project site. Prevailing wage posters and rate schedules, available at the Rhode Island Department of Labor and Training website at [www.dlt.ri.gov](http://www.dlt.ri.gov), must be posted at the project site.

## **Apprenticeship**

if the value of the project pursuant to this solicitation is at least \$1 Million (including all alternates), the successful bidder must employ apprentices on this project (in accordance with the apprentice to journey person ratio for each trade approved by the State Apprenticeship Council. The bidder must complete, sign, and submit the General Contractor Apprenticeship Certification Form, included in the solicitation, with the bid proposal.

The successful bidder will also be required to complete, sign, and submit the General Contractor Apprenticeship Re-Certification and Certification Form following receipt of the tentative letter of award, and, in addition, each subcontractor must complete, sign, and submit to the successful bidder the Subcontractor Apprenticeship Certification Form prior to the commencement of any work on the project pursuant to this solicitation.

Specific information about apprentice occupations and apprenticeship requirements is available on the Rhode Island Department of Labor and Training website at [www.dlt.ri.gov/apprenticeship](http://www.dlt.ri.gov/apprenticeship).

### **Occupational Safety**

The successful bidder must ensure (if the total contract price is at least \$100,000) that all employees at the project site possess a card issued by the United States Department of Labor certifying successful completion of an OSHA ten (10) hour construction safety program.

### **Hazardous Substances**

The successful bidder must submit a chemical identification list to the Rhode Island Department of Labor and Training upon receipt of a Purchase Order from the Division of Purchases prior to performance of the contract awarded pursuant to this solicitation and make available to all employees a list of any hazardous substances that may present a risk of exposure.

### **Substitutions**

Any proposal in response to a request for substitutions in this solicitation must include the detailed information necessary for a comprehensive evaluation, including (without limitation) the name of the material or equipment of the proposed substitution and a complete description of the proposed substitution, with drawings and performance and test data. Products specified in this solicitation establish a standard of quality, performance, dimension, function, and appearance. Proposed substitutions must meet the standard and will not be considered without the prior written approval of the Division of Purchases. All substitution approvals will be posted, as addenda to the solicitation on the Division of Purchases website.

### **Licenses**

The successful bidder and anyone performing any work on the contract awarded pursuant to this solicitation must possess all of the licenses required by any federal, state, or local law to perform such work.

## Insurance

The successful bidder must submit a copy of an endorsement and a certificate of insurance that references the solicitation number and names the State of Rhode Island as "certificate holder" and as "additional insured" upon the issuance of the tentative letter of award, on an annual basis during the term of the contract awarded pursuant to this solicitation, and from time to time upon request. The certificate of insurance must state that 30 days' advance notice of cancellation, nonrenewal, or material change in coverage (referencing the solicitation number) will be sent to: Rhode Island Department of Administration, Division of Purchases, One Capitol Hill, Providence, Rhode Island 02908-5855, fax # 401-574-8387, and provide evidence of the following specific types and amounts of insurance:

<u>Type of Insurance</u>	<u>Amount of Coverage</u>
Comprehensive General Liability	\$1 Million each occurrence (inclusive of both bodily injury and property damage)_  \$1 Million products and completed operations aggregate  \$1 Million general aggregate

*Comprehensive General Liability coverage shall include:*

Independent contractors  
Contractual (including construction "hold harmless" and other types of contracts or agreements in effect for insured operations)  
Completed operations  
Personal injury (with employee exclusion deleted)

### Automobile Liability

Combined Single Limit	\$1 Million each occurrence
Bodily injury, property damage, including nonowned and/or hired vehicles and equipment	

### Workers Compensation

Coverage B	\$100,000
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Environmental Impairment ("pollution control")	\$1 Million or 5% of contract amount, whichever is greater
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Builder's Risk	Contract amount
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All insurance required by this solicitation, whether through a policy or an endorsement, shall include: (i) a waiver of subrogation, waiving any right the insurance company may have to recover against the State of Rhode Island; and (ii) a provision that the bidder's insurance coverage shall be primary in relation to any insurance, self-insurance, or self-retention maintained by the State of Rhode Island, and any insurance, self-insurance, or self-retention maintained by the State of Rhode Island shall be in excess of the bidder's insurance.

*The State Purchasing Agent reserves the right to accept alternate forms and plans of insurance and/or to require additional or more extensive coverage.*

### **Minority Business Enterprises**

The Division of Purchases reserves the right to give additional consideration to bid proposals submitted by minority/women business enterprises certified by the Division of Purchases, Minority Business Office ("MBEs") provided that any such bid proposal is fully responsive to the terms and conditions of this solicitation, and the bid price is determined, in the discretion of the Division of Purchases, to be within a competitive range.

Any bidder who does not intend to perform all of the work with its own forces shall recruit and engage MBEs to perform at least 10% of the dollar value of the contract awarded pursuant to this solicitation. To reach that goal, the bidder may allocate up to 60% of its costs for materials and supplies obtained from MBE dealers or 100% of its costs for materials and supplies obtained from MBE manufacturers.

The successful bidder must submit a plan to meet this requirement for approval by the Division of Purchases, Minority Business Enterprise Compliance Office within the 21-day period following the tentative letter of award, identifying all MBEs, and must also demonstrate its good faith best efforts to meet these MBE goals. Information about this requirement and a directory of MBEs certified in Rhode Island is available at [www.mbe.ri.gov](http://www.mbe.ri.gov) or (401) 574-8670.

### **Equal Opportunity**

The successful bidder must demonstrate a commitment to equal opportunity and submit an affirmative action plan for review by the Rhode Island Department of Administration State Equal Opportunity Office within the 21-day period following the tentative letter of award. Information about this requirement is available at [www.diversity.ri.gov/eo/eoophagehome.htm](http://www.diversity.ri.gov/eo/eoophagehome.htm) or (401) 222-3090.

### **Drug-Free Workplace**

The successful bidder shall comply, and require that its employees comply, with the State of Rhode Island Drug Free Workplace policy and provide a certificate of compliance within the 21-day period following the tentative letter of award.

### **Sprinkler Impairment**

The successful bidder must comply with the requirements of the State of Rhode Island's insurance carrier for sprinkler impairment and hot work, accessible at the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

### **Foreign Corporations**

No foreign corporation or limited liability company may transact business in the State of Rhode Island until it shall have obtained a Certificate of Authority from the Rhode Island Secretary of State, and no foreign limited partnership may transact business in the State of Rhode Island until it shall have obtained a Certificate of Registration from the Rhode Island Secretary of State. The successful bidder, if a corporation or limited liability company, will be required to provide a Good Standing Certificate, and if a limited partnership, will be required to provide a Letter of Legal Existence, issued by the Rhode Island Secretary of State within the 21-day period following the tentative letter of award.

### **Campaign Finance**

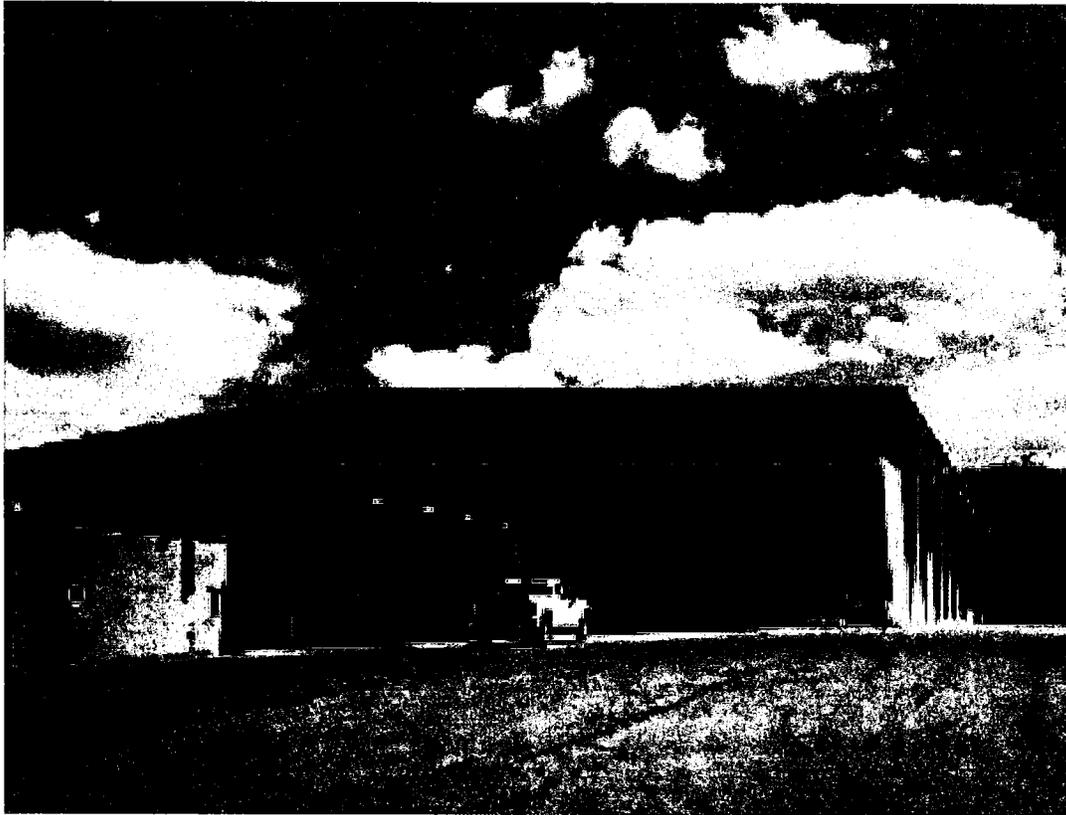
The successful bidder who has contributed, within the 24 months preceding the contract award, an aggregate amount of more than \$250.00 within a calendar year to any Rhode Island general officer, candidate for general office, any member of the general assembly, or any Rhode Island political party, must file a "Vendor Affidavit" with the State of Rhode Island Board of Elections. Information about "Vendor Affidavits" and electronic filing is available at [www.elections.ri.gov](http://www.elections.ri.gov) or Board of Elections, Campaign Finance, (401) 222-2056.

### **Binding Contract**

The form of agreement the successful bidder will be required to execute is included in the solicitation. A binding contract between the State of Rhode Island and the successful bidder will be formed by the issuance of a Purchase Order from the Division of Purchases, *and only by the issuance of a Purchase Order, and only to the extent of available funds.* The binding contract will incorporate and be subject to the terms and conditions of the solicitation, including the Invitation to Bid, the Instructions to Bidders, the General Conditions, any Supplemental Conditions, the Plans and Specifications, the Bid Preparation Checklist, the Bid Form, the Bidder Certification Cover Form, the Agreement, and also the Purchase Order. The successful bidder shall be authorized to commence work only upon the issuance of the Purchase Order and, in addition, an authorization from the user agency.

### **Compliance with Terms of Contract**

Failure of the successful bidder to comply with the terms and conditions of any contract awarded pursuant to this solicitation may result in nonpayment, suspension or termination of the contract, suspension or debarment of the bidder, or any other necessary or appropriate remedy.



# **Mid-State Maintenance Facility**

2400 New London Turnpike  
East Greenwich RI

**Exterior Block Wall and Office Floor Coatings  
Repair and Protection**

August 2014

## **SCOPE OF WORK**

The Rhode Island Department of Transportation Division of Highway & Bridge Maintenance currently owns and operates a Maintenance garage at its Midstate Maintenance Facility located on 2400 New London Avenue in East Greenwich, Rhode Island. The existing Facility measures 62 Feet wide; 180 Feet long and is typically 28 Feet high. The facility includes personnel offices, bathrooms, mechanics area, truck storage bays, and oil storage and generator room. The work on the main building will be focused on preparing, coating and repairing the exterior block walls and steel columns of the Midstate Facility. Also under this contract the office floors will be prepared and coated as per the manufacturer's latest specifications.

The contractor shall furnish all labor, materials, equipment, tools, transportation and all incidental supplies required to complete the work. All work shall be in accordance with the plans, specifications and terms of the contract. There will be a mandatory Pre-bid meeting scheduled at the site on October 8, 2014 at 9:00 a.m. to review the project and answer any questions. Below are Specific details and a Description of the work to be completed as part of the contract:

1. The contractor will be responsible for the work schedule and the coordination of work.
2. The Contractor shall be responsible for any RIDEM, CRMC, OSHA, Department of Health, and all State building permits and inspections which are required.
3. The contractor shall furnish all labor, materials, equipment, tools, transportation and all incidental supplies required to the proper completion of the rehabilitation of this project.
4. The contractor is responsible for sealing off work area from remainder of facility.
5. Keep work area clean and safe for all personnel.

**Method Of Measurement:** This contract will be measured as a Lump Sum item complete in place and accepted by The Rhode Island Department of Transportation Division of Highway & Bridge Maintenance.

**Basis of Payment:** This contract we be paid for at the contract Lump Sum price as listed in the proposal. The price so-stated shall constitute full compensation for all labor, materials, equipment, tools, transportation and incidental supplies to complete the work in accordance with the the terms of the contract.

<u>ITEMS</u>	<u>QUANTITY</u>
<u>Exterior Block Wall Area</u>	<u>22,700 SF</u>
<u>Steel Column Area</u>	<u>6,000 SF</u>
<u>Office Floor Area</u>	<u>2,100 SF</u>

**Quantities to be field verified by Contractor**

# Mid-State Maintenance Facility

2400 New London Turnpike, East Greenwich RI

## CONSTRUCTION METHODS

### Sealant Repair

1. All Dissimilar Materials to be caulked with with bead, up to 3/4" wide including steel columns to CMU block joints, use Sikaflex 2C NS
2. Cracks repairs in block - cracks <1/16" wide to be vee sawcut and caulked with flush tooling, use Sikaflex 2C NS

### Block Protective Coating

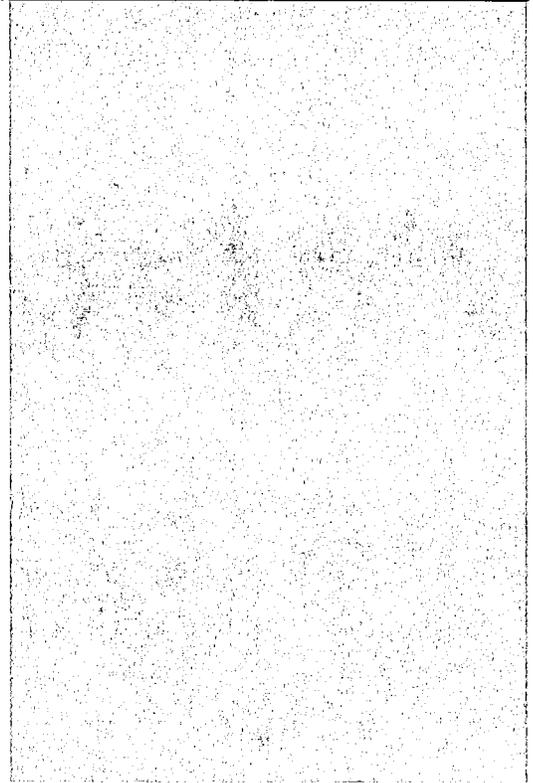
3. Detail cracks and joints and coat exterior block walls with Sikagard 550W. Color to be selected by owner , use Sikagard 550W, 2 coats @ 100sf/gal/coat

### Steel Coating

4. Pigmented Protective Coating on exterior exposed steel color to be selected by owner , use primer and, 2 finish coats

### Epoxy Coating

5. Epoxy Broadcast System on interior office floors as outlined by owner. Remove existing coating(s), Mechanically prep floor and apply Hi-build epoxy. Hi-build epoxy system, use Sikagard 62 Epoxy Broadcast System.



**ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.**

**The Contractor shall contract Timothy Carroll, Facility Manager, before the start of any work regarding the product and preparation work to be performed on the Exterior Steel Columns. All work shall be in conformance with the manufactures specifications.**

# **GUIDE SPECIFICATIONS**

**DIVISION 7 - THERMAL AND MOISTURE PROTECTION**  
**Section 07900 Joint Sealers**  
**Elastomeric and non-Elastomeric Sealant**

**Part 1 – General**

**1.01 Summary**

- A. This specification describes the sealing of joints and cracks with a two-component, non-sag, elastomeric polyurethane sealant.

**1.02 Quality Assurance**

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001:2008 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

**1.03 Delivery, Storage, and Handling**

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

**1.04 Job Conditions**

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 40°F (5°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified coating.

**1.05 Submittals**

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets, and appropriate Material Safety Data Sheets (MSDS)

**1.06 Warranty**

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

## Part 2 - Products

### 2.01 Manufacturers

- A. **Sikaflex-2c**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, OH 43302 is considered to conform to the requirements of this specification.

### 2.02 Materials

- A. Polyurethane sealant:
  - 1. The joint sealant shall be a two-component, non-sag polyurethane-base material. It shall be applicable in horizontal, vertical, and overhead joints. The sealant shall be principally a chemical cure to form an elastomeric substance. The color shall be introduced through a "Color-pak" system or be pretinted from the manufacturer.
- B. Any primers, as required, recommended by the manufacturer of the specified product, approved by the engineer.
- C. Backer rod or bond breaker tape as approved by engineer.

### 2.03 Performance Criteria

- A. Properties of the mixed polyurethane sealant:
  - 1. Initial Cure (Tack-Free Time): 6-10 hours
  - 2. Consistency: non-sag
  - 3. Color: 35 standard colors. Additional architectural colors available through color matching system
- B. Properties of the cured polyurethane sealant:
  - 1. Tensile Properties (ASTM D-412) at 14 days Non-sag
    - a. Tensile Strength at break: minimum 120 psi
    - b. Tensile Elongation: minimum 500%
    - c. Modulus of Elasticity - 100% Elongation 70 psi, min.
  - 2. Shore A Hardness (ASTM D-2240) at 14 days:
    - a. Non-sag: 25 +/-5
  - 3. Tear Strength (ASTM D-624) at 14 days: non-sag 45 lbs./in
  - 4. Adhesion in Peel (TT-S-00227E, ASTM C-794) at 21 days
    - a. Concrete: 25-lb. min. 0% Adhesion Loss
  - 5. Service Range: -40° to 170°F (-40° to 77°C)
  - 6. The sealant shall conform to Federal Specification TT-S-00227E, Type I and II, Class A.
  - 7. The sealant shall conform to ASTM C-920, Type M, NS, Class 25.
  - 8. The sealant shall be capable of ±50% of the average joint width when tested in accordance to the durability bond test of Federal Specification TT-S-00227E and ASTM C-719.
  - 9. The sealant shall be non-staining.
  - 10. Final Cure: 3 days max.

**Note: Tests were performed with material and curing conditions at 71°-75°F and 45-55% relative humidity.**

## Part 3 - Execution

### 3.01 Surface Preparation

- A. The joint and adjacent substrate must be clean, dry, sound and free of surface contaminants. Remove all traces of the old sealant, dust, laitance, grease, oils, curing compounds, form release agents and foreign particles by mechanical means, i.e. – sandblasting, etc., as approved by the engineer. Blow joint free of dust using compressed air line equipped with an oil trap.

### 3.02 Mixing and Application

- A. Mixing of the polyurethane sealant: Pour out entire contents of Component B into pail of Component A. Add entire contents of Color-pak into pail and mix with low-speed drill (400-600 rpm) and approved paddle. Mix for 3-5 minutes to achieve a uniform color and consistency. Avoid entrapment of air during mixing.
- B. Joints:
  - 1. Placement Procedure: Prime all substrates as required based upon the recommendations of the manufacturer of the specified product, when field testing indicates need, and when the joints will be subject to immersion after cure, as approved by the Engineer.
  - 2. Install approved backer rod or bond breaker tape in all joints subject to thermal movement to prevent three-sided bonding and to set the depth of the sealant at a maximum of 1/2 in., measured at the center point of the joint width. Approval of the backer rod or bond breaker tape shall be made by the Engineer.
  - 3. Joints shall be masked to prevent discoloration or application on unwanted areas, as directed by the Engineer. If masking tape is used, it shall not be removed before tooling, yet must be removed before the initial cure of the sealant. Do not apply the masking tape until just prior to the sealant application.
  - 4. Install sealant into prepared joints when the joint is at mid-point of its expansion and contraction cycle.
    - a. Non-sag sealant: Load the sealant into a caulking gun. Place the nozzle of the gun, either hand or air or electric powered, into the bottom of the joint and fill entire joint. Keep the tip of the nozzle in the sealant, continue with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping the sealant to eliminate the entrapment of air. Tool, as required, to properly fill the joint.
  - 5. Adhere to all limitations and cautions for the polyurethane sealant in the manufacturer's printed literature.
- B. Cracks
  - 1. Non-sag sealant: For best performance, sealant should be gunned into crack to a minimum of 1/4" in depth. Place the nozzle of the gun, either hand or air or electric powered, into the bottom of the crack and fill entire crack. Keep the tip of the nozzle in the sealant, continue with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping the sealant to eliminate the entrapment of air. Tool as required to properly fill the crack.
  - 2. Adhere to all limitations and cautions for the polyurethane sealant as stated in the manufacturers printed literature.

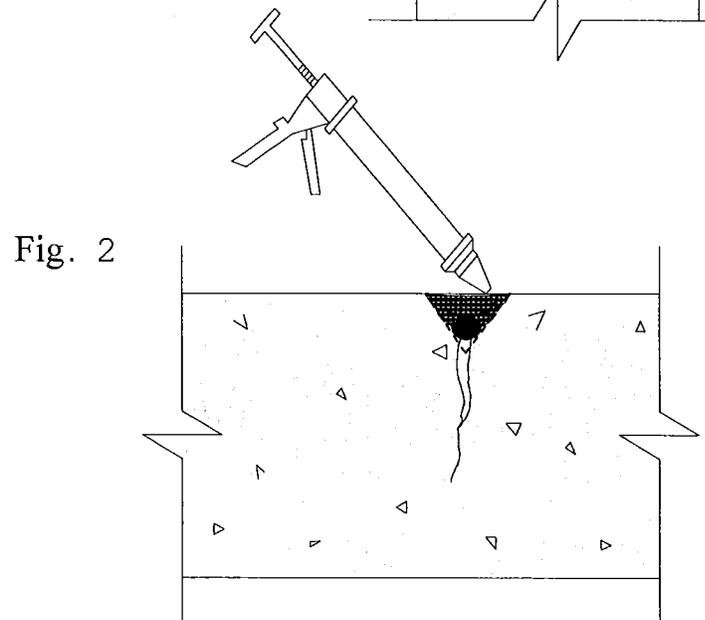
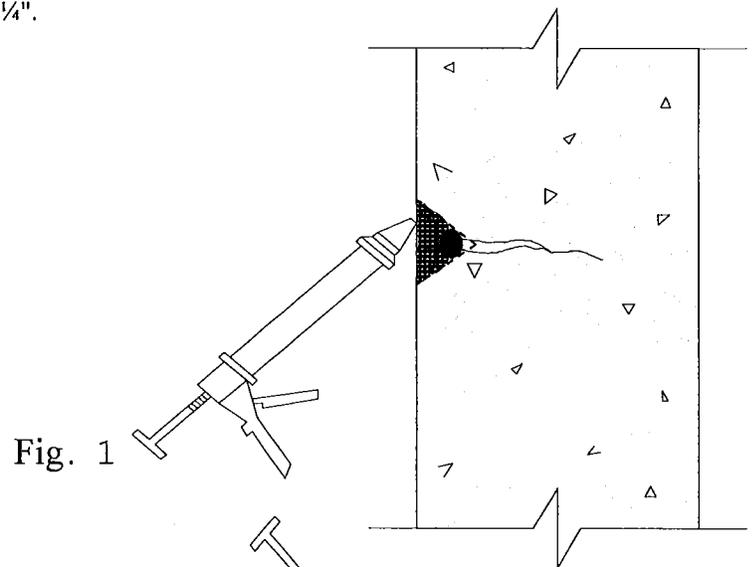
### 3.03 Cleaning

- A. The uncured polyurethane sealant can be cleaned with an approved solvent. The cured polyurethane sealant can only be removed mechanically
- B. Leave work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

# SC-071 Sikaflex®-2c NS Crack Filler

Figure 1 - Sikaflex-2c NS (non-sag)

1. Gun Sikaflex-2c NS into prepared crack, minimum depth ¼".
2. Tool as required to properly fill crack.



# SC-071

## Sikaflex® 2c NS Expansion Joint Filler

Figure 1 - Sikaflex-2c NS (non-sag)

1. Install appropriate backer material to prevent three-sided adhesion and to control sealant depth.
2. Sikaflex-2c NS should be gunned into joint at mid-point of designed expansion and contraction.
3. Tool as required to properly fill joints.

**Note:** Sikaflex-2c NS is designed for all types of joints where maximum sealant depth will not exceed ½".

Fig. 1

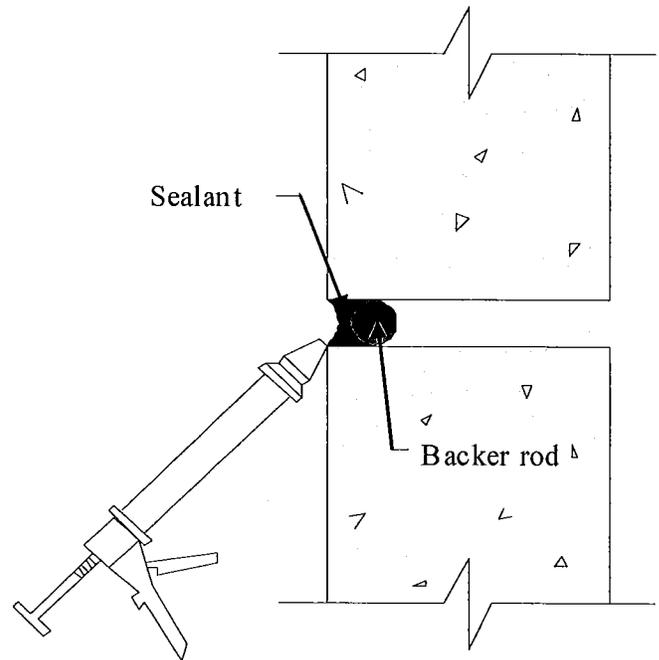
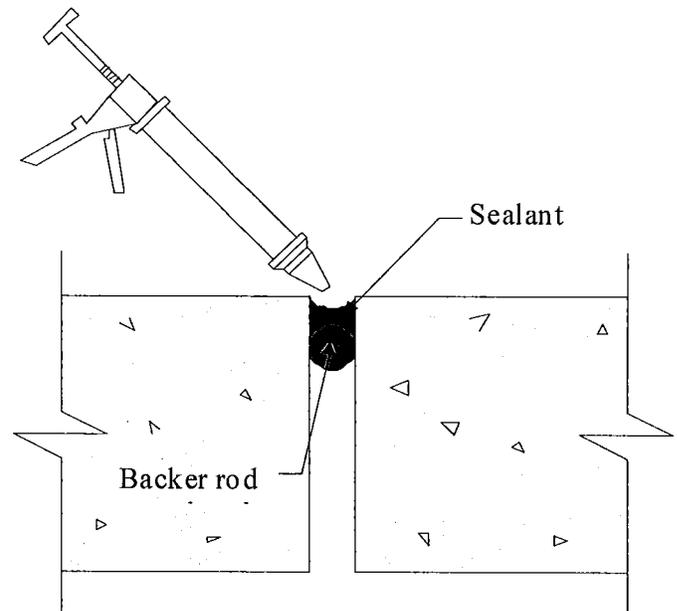


Fig. 2



**DIVISION 9 - FINISHES**  
**Section 09830 Elastomeric Coatings**

**Part 1 - General**

**1.01 Summary**

- A. This specification describes the coating of substrates with an elastomeric, crack bridging, anti-carbonation, protective coating.

**1.02 Quality Assurance**

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001:2008 certified and have in existence a recognized ongoing quality assurance independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

**1.03 Delivery, Storage, and Handling**

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

**1.04 Job Conditions**

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 45°F (7°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified material.

**1.05 Submittals**

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets, and appropriate Material Safety Data Sheets (MSDS).

**1.06 Warranty**

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

## Part 2 - Products

### 2.01 Manufacturer

- A. **Sikagard 550W Elastocolor**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio, 43302 is considered to conform to the requirements of this specification.
- B. **Sikagard Elastic Base Coat (Smooth & Textured)**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio, 43302 is considered to conform to the requirements of this specification.
- C. **Sikagard 552W Primer or SikaLatex R**, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio, 43302 is considered to conform to the requirements of this specification.

### 2.02 Materials

- A. Elastomeric Acrylic Coating:

1.Product shall be 100% Acrylic Emulsion with the following properties:

- a. **Water vapor permeable**
- b. **Can bridge dynamically moving cracks**
- c. **Crack bridging properties maintained at low temperatures**
- d.**The material shall be resistant to dirt pick-up and mildew**

- B. **Elastomeric Acrylic Smooth & Textured Base Coating:**

1.Product shall be 100% Acrylic Emulsion with the following properties:

- a. **Water vapor permeable**
- b. **Can bridge dynamically moving cracks**
- c. **Crack bridging properties maintained at low temperatures**

- C. Adhesion Promoter / Surface Conditioner

1.Product shall be a water-based, acrylic primer with the following properties:

- a. **Solids content 12.5% -20% by volume**
- b. **Recoat time 4 – 24 hours**

## 2.03 Performance Criteria

A. Properties of the elastomeric Sikagard 550W Elastocolor acrylic coating:

1. Pot Life: indefinite
2. Tack Free Time 6 Hours @ 73°F, 50% Relative Humidity. Final Cure < 24 Hours
3. Carbon Dioxide Diffusion:  $\mu\text{CO}_2$  214,000 Carbon Dioxide Diffusion Resistance at 16 mils (400 microns)  
SdCO<sub>2</sub> = 299 ft. (equivalent air thickness) i.e. Approx. 9-in. of standard concrete cover.
4. Water Vapor Diffusion:  $\mu\text{H}_2\text{O}$  2,146 Water Vapor Diffusion Resistance at 16 mils SdH<sub>2</sub>O = 2.6 ft. (0.8m)  
(equivalent air thickness)
5. Moisture Vapor permeability (ASTM E96) 14.5 perms
6. Tensile Properties (ASTM D-412 Modified)  
7 day-Tensile strength 190 psi (1.3 MPa) - Elongation at break 820% - 340% @ 0°F (-18°C)
7. Crack Bridging(at 16 mils = 400 microns DFT)
  - a. Static (at -4°F/-20°C) 30 mils (0.75mm)
  - b. Dynamic>1000 cycles(at -4°F/-20°C) 12 mils (0.30mm)
8. Resistance to wind driven rain (TT-C-555B): No passage of water through coating
9. Weathering (ASTM G-23) 10,000 hours excellent, no chalking or cracking.
10. Solids Content: by weight – 62% by volume – 55%
11. Flame Spread and Smoke Development (ASTM E-84-94)  
Flame Spread 5 Smoke Development 5 Class Rating A

Note: Tests above were performed with the material and curing conditions @ 71°F – 75°F and 45-55% relative humidity.

## Part 3 – Execution

### 3.01 Surface Preparation

- A. Substrate must be clean, sound, and free of surface contaminants. Remove dust, laitance, grease, oils, curing compounds, form release agents and all foreign particles by mechanical means. Substrate shall be in accordance with ICRI Guideline No. 03732 for coatings and fall within CSP1 to CSP3.

### 3.02 Mixing and Application

- A. Mixing: Stir materials to ensure uniformity using a low speed (400-600 rpm) drill and paddle. To minimize color variation, blend two batches of material.(boxing)
- B. Crack detail: Recommended application temperatures 40° - 100°F (4°-38°)  
  
Small defects and cracks (non-structural): Cracks 10 – 20 mils. Apply Surface Filler “Brush Grade” generously over the center of the cracks. Feather material to zero over a two-inch wide area. Allow a minimum 24 hours to cure before overcoating.  
  
Large defects and cracks (non-structural): Cracks >20mils. Rout to 1/4-in wide by 1/4-in. deep. Blow out cut with oil-free compressed air. Fill slot with Surface Filler “Knife Grade” allowing for a small crest to remain. This will compensate for any shrinkage that might occur. **NOTE:** *Sikaflex-1a,-2c, or -15LM, polyurethane sealant may be used in place of Knife Grade Surface Filler.* Allow 24 hours-minimum cure before over coating.
- C. Coating Application: Apply by brush, roller, or spray over entire area moving in one direction. A minimum of two coats are required. Each coat should be applied at a rate not to exceed 100 sq. ft. per gallon. Total dry film thickness shall be a minimum 8 - 10 dry mils per coat. Allow a minimum of 2 hours prior to re-coating.
- D. When applying the coating, never stop the application until the entire surface has been coated. Always stop application at an edge, corner, or joint. Never let a previously coated film dry; always coat into a wet film. Always apply the coating at a 45° angle to an edge, corner, or joint.
- E. If substrate has been previously coated and presents a “chalky” condition, apply 1 coat of Sikagard 552W or SikaLatex R, primer/surface conditioner by brush, roller, or spray at a rate not to exceed 300 sq. ft. per gallon.
- F. Adhere to all limitations and cautions for the elastomeric acrylic coating in the manufacturers printed literature.

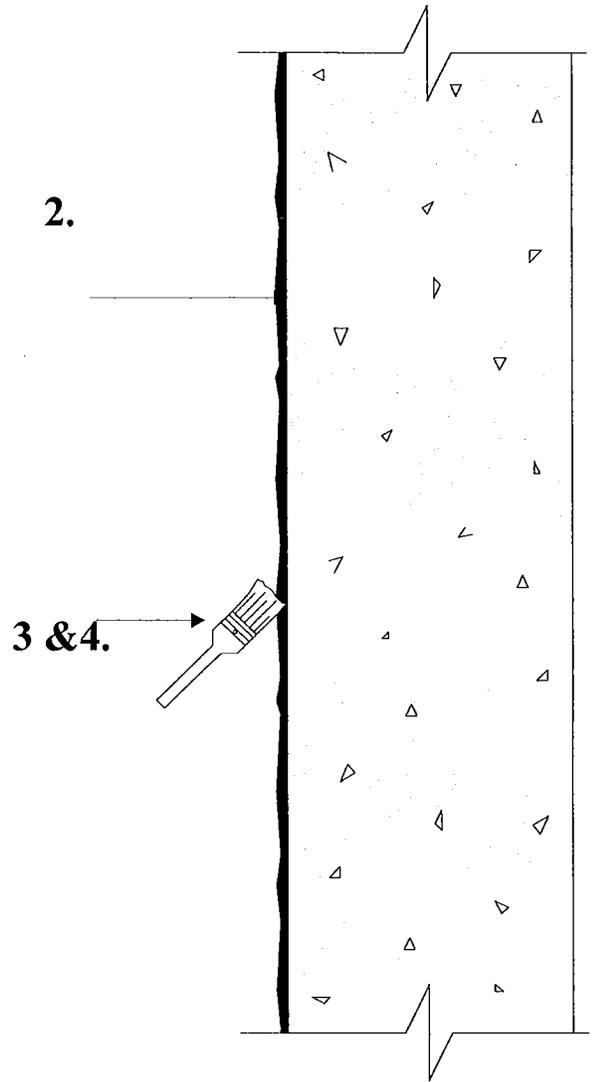
### 3.03 Cleaning

- A. The uncured elastomeric acrylic coating can be cleaned from tools with water. The cured elastomeric acrylic coating can only be removed mechanically.
- B. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

# SC-058

## Sikagard® 550W Elastocolor, Anti-Carbonation Crack-bridging Coating

1. Substrate must be dry, clean and sound.
2. Condition surface with Sikagard 552W or SikaLatex R(as needed)
3. Apply base coating as needed
4. Apply Sikagard 550W Elastocolor by brush, roller or spray over entire area moving in one direction.



**DIVISION 9 - FINISHES**  
**Section 09900 Coatings**

**Part 1 – General**

**1.01 Summary**

- A. This specification describes the overlay of interior horizontal surfaces with an epoxy resin adhesive binder.

**1.02 Quality Assurance**

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

**1.03 Delivery, Storage, and Handling**

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

**1.04 Job Conditions**

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 40°F (5°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified material.

**1.05 Submittals**

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets and appropriate Material Safety Data Sheets (MSDS).

**1.06 Warranty**

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one(1) year, beginning with date of substantial completion of the project.

## Part 2 - Products

### 2.01 Manufacturer

- A. Sikafloor 62, as manufactured by Sika Corporation, 1682 Marion Williamsport Road, Marion, Ohio is considered to conform to the requirements of this specification.

### 2.02 Materials

- A. Epoxy resin adhesive binder:
  - 1. Component A shall be a modified epoxy resin of the epichlorohydrin bisphenol A type containing suitable viscosity control agents. It shall not contain butyl glycidyl ether.
  - 2. Component B shall be primarily a reaction product of a selected amine blend with an epoxy resin of the epichlorohydrin bisphenol A type containing suitable viscosity control agents, pigments, and accelerators.
  - 3. The ratio of Component A: Component B shall be 1:1 by volume.
  - 4. The material shall not contain asbestos.
- B. Aggregate for the epoxy resin broadcast shall be an oven-dried, 20-40 gradation sand, as approved by the Engineer.

### 2.03 Performance Criteria

- A. Properties of the mixed epoxy resin adhesive binder:
  - 1. Pot Life: 35-40 minutes (60 gram mass)
  - 2. Tack-Free Time to Touch (4-7 mil): Approximately 4 hours
  - 3. Initial Viscosity (Brookfield Viscometer, Spindle #3; Speed 100): 2200-3400 cps
  - 4. Color: gray, red, tan
- B. Properties of the mixed neat epoxy resin adhesive binder:
  - 1. Bond Strength (ASTM C-882) Hardened Concrete to Hardened Concrete
    - a. 2 day (dry cure): 2,000 psi (13.79 MPa)
    - b. 14 day (moist cure): 1,500 psi (10.34 MPa)
  - 2. Water Absorption (ASTM D-570) at 7 days: 0.1 % max., 2 hour boil (24 hour immersion)
  - 3. Elongation (ASTM D-638) at 14 days: 5%.
  - 4. Abrasion Coefficient (ASTM D-968) at 14 days: 40 l/mil min.
  - 5. Abrasion (Taber Abrader) at 14 days:
    - a. Weight Loss: 0.7 gm max. (H-22 wheel; 1000 gm weight; 1000 cycles)
  - 6. Adhesion (ASTM D-3359) at 14 days: Adhesion classification 4A min.
  - 7. The epoxy resin adhesive binder shall be approved by the United States Department of Agriculture.
- C. Properties of the epoxy resin broadcast (epoxy resin/aggregate\* = 1/1.7 by volume):
  - 1. Compressive Properties (ASTM D-695) at 28 days
    - a. Compressive Strength: 9,000 psi (62 MPa)
    - b. Modulus of Elasticity: 700,000 psi (4,826 MPa)
  - 2. Tensile Properties (ASTM D-638) at 14 days
    - a. Tensile Strength: 3,000 psi (21 MPa)
    - b. Elongation at Break: 0.4%.

\* Aggregate used shall conform to ASTM C-190.

- 3. Flexural Properties (ASTM D-790) at 14 days

- a. Flexural Strength (Modulus of Rupture): 5,000 psi (34.5 MPa)
  - b. Tangent Modulus of Elasticity in Bending:  $1.0 \times 10^6$  psi
4. Abrasion (Taber Abrader) at 7 days:
    - a. Weight Loss: 1.5 gm max. (H-22 wheel; 1000 gm weight; 1000 cycles)
    - b. Weight Loss: 11.00 gm max. (H-22 wheel; 1000 gm weight; 8000 cycles)

### Part 3 – Execution

#### 3.02 Surface Preparation

- A. Substrate must be clean, sound, and free of surface contaminants. Remove dust, laitance, grease, oils, curing compounds, form release agents and all foreign particles by mechanical means. Substrate shall be in accordance with ICRI Guideline No. 03732 for coatings.

#### 3.02 Mixing & Application

- A. Mixing the epoxy resin adhesive binder:
  1. To minimize color differences, blend two complete Component B's together. Use only one of the blended Component B's to mix with a Component A. After the first Component B has been used, blend the second Component B with a new Component B and repeat the above procedure for the entire application.
  2. Premix each component. Proportion equal parts by volume of Component A and Component B into a clean, dry mixing pail. Mix thoroughly for 3 minutes min. with a jiffy paddle on a low-speed (400-600 rpm) drill. Mix only that quantity of material that can be used within its pot life (25-40 minutes at 73 F).
- B. Placement Procedure: Prime the prepared substrate with the mixed epoxy resin adhesive binder with brushes, rollers, or brooms. Do not over prime or puddle. Coverage should be 300 sq ft/gal min.
- C. Apply the epoxy resin adhesive with a  $\frac{3}{16}$  in. x  $\frac{3}{16}$  in. notched squeegee while the primer is still tacky. Allow the binder to self-level, and then slowly broadcast an oven-dried sand in such a manner that the sand drops vertically into the binder. Broadcast lightly making several passes, allowing the binder to bleed through the sand before the next pass. Cover completely with sand before the binder becomes tack-free. Estimate oven-dried sand quantity required to broadcast to excess at 2 lbs./sq. ft. Remove excess aggregate when the broadcast overlay has reached sufficient cure as to not be damaged.
- D. Top coat the surface with the epoxy resin adhesive using a roller or flat rubber squeegee. Do not apply the top coat too heavy as to lose the slip resistant surface texture. Coverage will typically be 160 sq ft/gal. When applying the top coat, never stop the application until the entire surface has been sealed, if possible. If impossible, always discontinue at an edge, corner, or joint. Never let a previously coated film dry, always top coat into a wet film. Always apply the top coat at a 45° angle to an edge, corner, or joint.
- E. Adhere to all limitations and cautions for the epoxy resin adhesive binder in the manufacturers current printed literature.

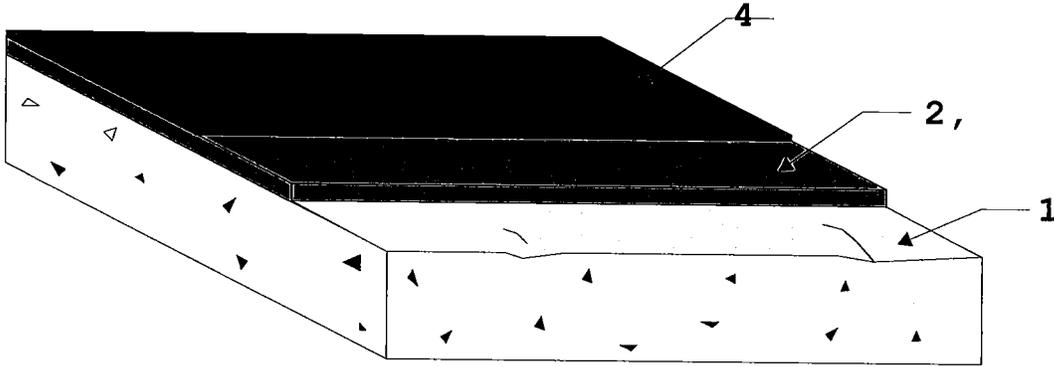
#### 3.03 Cleaning

- A. The uncured epoxy resin adhesive can be cleaned from tools with an approved solvent. The cured epoxy resin adhesive can only be removed mechanically.
- B. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

Note: Tests above were performed with material and curing conditions at 71-75 F and 45-55% relative humidity.

# SC-031

## Sikagard 62 Broadcast Overlay



1. Using a roller prime prepared substrate with neat Sikagard 62, (4-7 mils).
2. Apply binder coat (50 mils) with a  $\frac{3}{16}$ " x  $\frac{3}{16}$ " notched rubber squeegee while primer is still wet. Allow the binder to self-level.
3. Slowly broadcast an oven-dried sand into the binder, making several passes, allow the binder to bleed through the sand before making the next pass, cover completely.
4. After broadcast has reached sufficient cure, remove excess sand. Top coat with neat Sikagard 62 using a roller or flat squeegee.

Concrete Restoration Systems by Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071

END