

**State of Rhode Island and Providence Plantations Contract Offer
RIVIP GENERATED BIDDER CERTIFICATION COVER FORM**

SECTION 1 - VENDOR INFORMATION

Bid/RFP Number: 7458273A1
Bid/RFP Title: RI CONTRACT 2013-DF-029, HURRICANE SANDY REPAIRS TO POPPOSQUASH ROAD -
ADDENDUM 1 (2 PGS)
Opening Date & Time: 11/15/2012 11:15 AM
RIVIP Vendor ID #: 853
Vendor Name: J. H. Lynch & Sons, Inc.
Address: 50 Lynch Place
Cumberland , RI 02864-5334
USA
Telephone: 401-333-4300
Fax: 401-333-2659
E-Mail: sales@jhlynch.com
Contact Person: Stephen P. Lynch, Jr.
Title: President
R.I. Foreign Corp #:

*****REVISED NOTICE TO VENDORS*****

Effective January 1, 2012 all public works projects related bids or proposals exceeding SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars are required to include a "public copy". All agency contract solicitations, requests for proposals, invitations for bids, etc. shall state that any bid or proposal that exceeds SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars must include a copy to be available for public inspection upon the opening of the bids. Any bid or proposal that exceeds SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars which does not include a copy for public inspection shall be deemed to be non-responsive. Additionally, proposals submitted for a Master Price Agreement, when the total amount potentially may exceed SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars and the solicitation expressly requires any or all vendors to submit a public copy, must include a copy to be available for public inspection. For further information, please see RI Gen Laws §37-2-18(j) and State of RI Procurement Regulations at <http://purchasing.ri.gov/rulesandregulations/rulesandregulations.aspx>. Please see Question #11 below for further instructions regarding RIDOT Highway and Bridge construction projects.

NOTE: AWARD OF CONTRACTS AND PURCHASE ORDERS SHALL BE SUBJECT, AT THE DISCRETION OF THE PURCHASING AGENT, TO THE OFFEROR COMPLETING AN ON-LINE RIVIP REGISTRATION at www.purchasing.ri.gov. It is THE RESPONSIBILITY OF THE VENDOR to make on-line corrections/updates using the Vendor maintenance program on the RI Division of Purchases Web Site.

SECTION 2 - REQUIREMENTS

ALL OFFERS ARE SUBJECT TO THE REQUIREMENTS, PROVISIONS AND PROCEDURES CONTAINED IN THIS THREE-PAGE CERTIFICATION FORM. Offerors are expected to READ, SIGN and COMPLY with all requirements. Failure to do so may be grounds for disqualification of the offer contained herein.

Section 2.1 - RULES FOR SUBMITTING OFFERS

2.1A. This CERTIFICATION FORM MUST BE ATTACHED IN ITS ENTIRETY TO THE FRONT OF THE OFFER and shall be considered an integral part of each offer made by a vendor to enter into a contract with the State of Rhode Island, Division of Purchases. As such, submittal of the entire Bidder Certification Cover Form, signed by a duly authorized representative of the offeror attesting that he/she (1) has read and agrees to comply with the requirements set forth herein and (2) to the accuracy of the information provided and the offer extended, is a mandatory part of any contract award.

To assure that offers are considered on time, each offer must be submitted with the specific Bid/RFP/LOI number (provided above), date and time of opening marked in the upper left hand corner of envelope. Each bid/offer must be submitted in separate sealed envelopes.

A complete, signed (in ink) offer package, must be delivered to the Division of Purchases (via any mail or messenger service) by the time and date specified for the opening of responses in a sealed envelope.

Bids must be submitted on the RI bid solicitation forms provided, indicating brand and part numbers of items offered, as appropriate. Bidders must submit detailed cuts and specs on items offered as equivalent to brands requested WITH THE OFFER. Bidders must be able to submit samples if requested. Mail To: Division of Purchases, One Capitol Hill, Second Floor, Providence, RI 02908-5855.

Documents misdirected to other State locations or which are not present in the Division of Purchases at the time of opening for whatever cause will be deemed to be late and will not be considered. For the purposes of this requirement, the official time and date shall be that of the time clock in the Division of Purchases. Postmarks shall not be considered proof of timely submission.

2.1B. RIVIP SOLICITATIONS. To assure maximum access opportunities for users, public bid/RFP solicitations shall be posted on the RIVIP for a minimum of seven days and no amendments shall be made within the last five days before the date an offer is due. Except when access to the Web Site has been severely curtailed and it is determined by the State Purchasing Agent that special circumstances preclude extending a solicitation due date, requests to mail or fax hard copies of solicitations will not be honored. When the result of an Internet solicitation is unsuccessful, the State of Rhode Island will cancel the original solicitation and resolicit the original offer directly from vendors.

2.2. PRICING. Offers are irrevocable for sixty (60) days from the opening date (or such other extended period set forth in the solicitation) and may not be withdrawn, except with the express permission of the State Purchasing Agent. All pricing will be considered to be firm and fixed unless otherwise indicated. The State of Rhode Island is exempt from Federal excise taxes and State Sales and Use Taxes. Such taxes shall not be included in the bid price. PRICES QUOTED ARE FOB DESTINATION.

2.3. DELIVERY and PRODUCT QUALITY. All offers must define delivery dates for all items; if no delivery date is specified, it is assumed that immediate delivery from stock will be made. The contractor will be responsible for delivery of materials in first class condition. Rejected materials will be at vendor's expense.

2.4. PREVAILING WAGE, OSHA and APPRENTICESHIP.

2.4.1 Prevailing Wage and OSHA Safety Training Requirements. The provisions of the State labor laws and OSHA Safety Training, including but not limited to Rhode Island General Laws 37-13-1 et seq. and 28-20-1 et seq., shall apply for all public works contracts. Prevailing wage rates are posted in the information section of the RIVIP. The RI Department of Labor and Training should be contacted for regulatory requirements.

2.4.2 (a) Apprenticeship. Rhode Island General Laws §37-13-3.1 requires all general contractors and subcontractors who perform work on any public works contract awarded by the state valued at one million dollars (\$1,000,000) or more shall employ apprentices required for the performance of the awarded contract. The number of apprentices shall comply with the apprentice to journeyman ratio for each trade approved by the apprenticeship council of the Department of Labor and Training.

2.4.2(b) In addition to executing this certification, the general contractor shall be responsible for requiring that all subcontractors on the awarded project certify their compliance with R.I. Gen. Laws §37-13-3.1 prior to allowing the subcontractor to commence work on the awarded project. The general contractor shall be responsible for submitting the subcontractors' compliance certification to the Division of Purchases after the contracts are finalized between the contractor and subcontractor.

2.5. PUBLIC RECORDS. Offerors are advised that all materials submitted to the State for consideration in response to this solicitation will be considered without exception to be Public Records pursuant to Title 38 Chapter 2 of the Rhode Island General Laws, and will be released for inspection immediately upon request once an award has been made. Offerors are encouraged to attend public bid/RFP openings to obtain information; however, bid/RFP response summaries may be reviewed after award(s) have been made by using the RIVIP at any time or appearing in person at the Division of Purchases Mondays through Fridays between 8:30 a.m. and 3:30 p.m. Telephone requests for results will not be honored. Written requests for results will only be honored if the information is not available on the RIVIP.

SECTION 3 - AWARD DETERMINATION

Award will be made to the responsive and responsible offeror quoting the lowest net price in accordance with specifications, for any individual item(s), for major groupings of items, or for all items listed, at the State's sole option.

3.1. BID SURETY. Where bid surety is required, bidder must furnish a bid bond or certified check for 5% of the bid total with the bid, or for such other amount as may be specified. Bids submitted without a required bid surety will not be considered.

3.2. SPECIFICATIONS. Unless specified "no substitute," product offerings equivalent in quality and performance will be considered (at the sole option of the State) on the condition that the offer is accompanied by detailed product specifications. Offers which fail to include alternate specifications may be deemed nonresponsive.

SECTION 4 - CONTRACT PROVISIONS

4.1. VENDOR AUTHORIZATION TO PROCEED.

4.1A. When a purchase order, change order, contract/agreement or contract/agreement amendment is issued by the RI Division of Purchases, no claim for payment for services rendered or goods delivered contrary to or in excess of the contract terms and scope shall be considered valid unless the vendor has obtained a written change order or contract amendment issued by the Division of Purchases PRIOR TO delivery.

4.1B. Any offer, whether in response to a solicitation for proposals or bids, or made without a solicitation, which is accepted in the form of an order OR Pricing Agreement made in writing by the Purchasing Agent, or a state official with purchasing authority delegated by the Purchasing Agent, shall be considered a binding contract.

4.2. REGULATIONS, GENERAL TERMS AND CONDITIONS GOVERNING STATE CONTRACTS. This solicitation and any contract or purchase order arising from it are issued in accordance with the specific requirements described herein, and the State's Purchasing Laws and Regulations and other applicable State Laws. The Regulations, General Terms and Conditions are incorporated into all state contracts. These regulations and basic information on How To Do Business with the State of Rhode Island are posted on the Rhode Island Vendor Information Program Website (www.purchasing.ri.gov).

4.2A. ARRA SUPPLEMENTAL TERMS AND CONDITIONS. Contracts and sub-awards funded in whole or in part by the American Recovery and Reinvestment Act of 2009. Pub.L.No. 111-5 and any amendments thereto, such contracts and sub-awards, shall be subject to the Supplemental Terms and Conditions For Contracts and Sub-awards Funded in Whole or in Part by the American Recovery and Reinvestment Act of 2009. Pub.L.No. 111-5 and any amendments thereto located on the Division of Purchases website at www.purchasing.ri.gov.

4.3. EQUAL EMPLOYMENT OPPORTUNITY. Compliance certificate and agreement procedures will apply to all awards for supplies or services valued at \$10,000 and more. Minority Business Enterprise policies and procedures, including subcontracting opportunities as described in Title 37 Chapter 14.1, of the Rhode Island General Laws, also apply.

Revised: 12/20/2011

4.4. PERFORMANCE BONDS. Where indicated, successful bidder must furnish a 100% performance bond and labor and payment bond for contracts subject to Title 37 Chapters 12 and 13 of the Rhode Island General Laws. All bonds must be furnished by a surety company authorized to conduct business in the State of Rhode Island. Performance bonds must be submitted within 21 calendar days of the issuance of a tentative notice of award.

4.5. DEFAULT and NON-COMPLIANCE. Default and/or non-compliance with the RIVIP requirements and any other aspects of the award may result in withholding of payment(s), contract termination, debarment, suspension, or any other remedy necessary that is in the best interest of the state.

4.6. COMPLIANCE. Vendor must comply with all applicable federal, state and local laws, regulations and ordinances.

4.7. SPRINKLER IMPAIRMENT AND HOT WORK. The Contractor agrees to comply with the practices of the State's insurance carrier for sprinkler impairment and hot work. Prior to performing any work, the Contractor shall obtain the necessary information for compliance from the Risk Management Office at the Department of Administration or the agency for which work will be performed.

SECTION 5 – CERTIFICATIONS AND DISCLOSURES
ALL CONTRACT AWARDS ARE SUBJECT TO THE FOLLOWING DISCLOSURES & CERTIFICATIONS
Offerors must respond to every disclosure statement.

A person authorized to enter into contracts must sign the offer and attest to the accuracy of all statements.

Indicate Yes (Y) or No (N):

- N 1. Has your firm (or any principal) been subject to any of the following findings by the Federal Government, the State of Rhode Island or any other jurisdiction? Suspension, Debarment, Indictment, Criminal Conviction. CIRCLE APPROPRIATE ITEM(S).
- N 2. Has your firm (or any principal) been fined more than \$5000 for a single violation by the Rhode Island Department of Environmental Management for violation of Rhode Island Wetlands law?
- Y 3. I/we certify that I/we will immediately disclose, in writing, to the Chief Purchasing Officer any potential conflict of interest, which may occur during the course of the engagement authorized pursuant to this contract.
- Y 4. I/we acknowledge that, in accordance with Chapter 37-2-54(c) of the Rhode Island General Laws "no purchase or contract shall be binding on the state or any agency thereof unless approved by the Department [of Administration] or made under general regulations which the Chief Purchasing Officer may prescribe", including change orders and other types of contracts and under State Purchasing Regulation 8.2.1.1.2, "any alleged oral agreement or arrangements made by a bidder or contractor with any agency or an employee of the Office of Purchases may be disregarded and shall not be binding on the state".
- Y 5. I/we certify that the above vendor information is correct and complete.
- Y 6. I/we certify that I/we or my/our firm possesses all licenses required by Federal and State laws and regulations as they pertain to the requirements of the solicitation and offer made herein and shall maintain such required license(s) during the entire course of the contract resulting from the offer contained herein and should my/our license lapse or be suspended, I/we shall immediately inform the Rhode Island State Purchasing Agent in writing of such circumstance.
- Y 7. I/we certify that I/we will maintain required insurance during the entire course of the contract resulting from the offer contained herein and should my/our insurance lapse or be suspended, I/we shall immediately inform the Rhode Island State Purchasing Agent in writing of such circumstance.
- Y 8. I/we certify that I/we understand that falsification of any information herein or failure to notify the Rhode Island State Purchasing Agent as certified herein may be grounds for suspension, debarment and/or prosecution for fraud.
- Y 9. I/we acknowledge that the provisions and procedures set forth in this three-page form apply to any contract arising from this offer.
- Y 10. I/we acknowledge that I/we understand the State's Purchasing Laws (37-2 of the General Laws of Rhode Island) and Purchasing Regulations and General Terms and Conditions available at the Rhode Island Division of Purchases Website (www.purchasing.ri.gov) apply as the governing conditions for any contract or purchase order I/we may receive from the State of Rhode Island, including the offer contained herein.
- Y 11. **NEW REVISED REQUIREMENT-IMPORTANT!!!** I/we hereby acknowledge that I/we understand that effective January 1, 2012 all public works related project bids or proposals exceeding SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars, inclusive of all proposed alternates, must include a "public copy" as required by RI Gen Laws § 37-2-18(j) and the State Procurement Regulations. It is further understood that any bid or proposal in excess of SEVEN HUNDRED FIFTY THOUSAND (\$750,000) dollars which does not include a copy for public inspection shall be deemed to be non-responsive.

RIDOT Highway and Bridge Public Works related projects utilizing Quest Lite program only – Effective immediately, submission to the Division of Purchases of a duplicate original of a vendor's Quest Lite compatible electronic copy on a readable compact disk shall satisfy the statutory "public copy" requirements. Quest Lite software is defined in the Division of Purchases "State Procurement Regulations" §12.102.05 (Preparation of Proposal).

For further information, please see R.I Gen. Laws § 37-2-18(j) and specific instructions at www.purchasing.ri.gov.

IF YOU HAVE ANSWERED "YES" TO QUESTIONS #1-2 OR IF YOU ARE UNABLE TO CERTIFY YES TO ITEMS #3-11 OF THE FOREGOING, PROVIDE DETAILS/EXPLANATION IN AN ATTACHED STATEMENT. INCOMPLETE CERTIFICATION FORMS SHALL BE GROUNDS FOR DISQUALIFICATION OF OFFER.

Signature below commits vendor to the attached offer and certifies (1) that the offer has taken into account all solicitation amendments, (2) that the above statements and information are accurate and that vendor understands and has complied with the requirements set forth herein. 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's Signature (Person authorized to enter into contracts; signature must be in ink.)

Date November 15, 2012

Stephen P. Lynch, Jr., President

Print Name and Title of company official signing offer
Revised: 12/20/2011



Interchange Corporate Center
450 Plymouth Road, Suite 400
Plymouth Meeting, PA. 19462-1644
Ph. (610) 832-8240

BID BOND

Bond Number: N/A

KNOW ALL MEN BY THESE PRESENTS, that we J.H. Lynch & Sons, Inc., 50 Lynch Place,
Cumberland, Rhode Island 02864 as principal (the "Principal"),
and LIBERTY MUTUAL INSURANCE COMPANY, a Massachusetts stock insurance company, as surety (the
"Surety"), are held and firmly bound unto State of Rhode Island and Providence Plantations, DOT,

Two Capitol Hill, Providence, RI 02903 as obligee (the "Obligee"), in
the penal sum of FIVE PERCENT OF THE AMOUNT OF THE ACCOMPANYING BID

_____ Dollars (\$ 5% of Bid),
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our
heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for: RI Contract No. 2013-DF-029
Hurricane Sandy Repairs to Poppasquash Road, Bristol

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal within the period specified therein, or, if no
period be specified, within sixty (60) days after opening, and the Principal shall enter into a contract with the
Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding
or contract documents, or in the event of the failure of the Principal to enter into such contract and give such
bond or bonds, if the Principal shall pay to the Obligee the difference in money not to exceed the penal sum
hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith
contract with another party to perform the work covered by said bid, then this obligation shall be null and void;
otherwise to remain in full force and effect. In no event shall the liability hereunder exceed the penal sum hereof.

PROVIDED AND SUBJECT TO THE CONDITION PRECEDENT, that any claim by Obligee under this bond must
be submitted in writing by registered mail, to the attention of the Surety Law Department at the address above,
within 120 days of the date of this bond. Any suit under this bond must be instituted before the expiration of one
(1) year from the date of this bond. If the provisions of this paragraph are void or prohibited by law, the minimum
period of limitation available to sureties as a defense in the jurisdiction of the suit shall apply.

DATED as of this 15th day of November, 2012

WITNESS / ATTEST:

Kelley Valentic

J.H. Lynch & Sons, Inc.
(Principal)
By: [Signature] (Seal)
Name: Stephen P. Lynch, Jr.
Title: President

LIBERTY MUTUAL INSURANCE COMPANY
(Surety)

By: [Signature] (Seal)
Joan A. Verardo, Attorney-in-Fact

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **DONALD L. GOODRICH, ROGER E. WATSON, PHYLLIS A. NIGRIS, MICHAEL E. BROMAGE, JOAN A. VERARDO, ALL OF THE CITY OF CRANSTON, STATE OF RHODE ISLAND**

....., each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **ONE HUNDRED MILLION AND 00/100**..... DOLLARS (\$ **100,000,000.00**.....) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 8th day of August, 2006.

LIBERTY MUTUAL INSURANCE COMPANY

By Garnet W. Elliott
Garnet W. Elliott, Assistant Secretary



COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 8th day of August, 2006, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2009
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 15th day of November, 2012.



By David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



Solicitation Information

BID # 7458273

**TITLE: 2013-DF-029 HURRICANE SANDY REPAIRS TO
POPPASQUASH ROAD, BRISTOL**

Submission Deadline: THURSDAY 11/15/12 @ 11:15 a.m.

Bidders are advised that, due to the emergency nature of the repairs identified in this solicitation, a general scope of work and description only is provided. The available documents are contained herein, and are the only available specifications that will be provided for this procurement.

A total lump sum bid proposal is required, and will be the basis for award, however where there are multiple sites identified, a lump sum breakdown is required.

BID PROPOSALS MUST BE DELIVERED TO THE DIVISION OF PURCHASES , ONE CAPITOL HILL, PROVIDENCE, RI AT THE DATE AND TIME NOTED ABOVE, AND MUST INCLUDE THE FOLLOWING:

- BID PROPOSAL FORM WITH TOTAL LUMP SUM PRICE
- BID SURETY
- LUMP SUM BREAKDOWN OF SITE, IF MULTIPLE SITES ARE IDENTIFIED
- THREE-PAGE BIDDER CERTIFICATION COVER FORM
- FEDERAL FORMS, COMPLETED (LOBBYING FORM, DISCLOSURE FORM, ANTI-COLLUSION FORM)
- LATE BIDS SHALL NOT BE ACCEPTED. PROPOSALS MISDIRECTED TO OTHER STATE LOCATIONS OR WHICH ARE OTHERWISE NOT SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO THE TIME OF THE OPENING FOR ANY CAUSE WILL BE DETERMINED TO BE LATE AND SHALL NOT BE CONSIDERED. THE 'OFFICIAL' TIME CLOCK IS IN THE RECEPTION AREA OF THE DIVISION OF PURCHASES.
- **PUBLIC COPY REQUIREMENT- DUE TO THE ANTICIPATED BID VALUE IN EXCESS OF \$750,000 , BIDDERS ARE REQUIRED TO SUBMIT A "PUBLIC COPY" OF BIDS IN ACCORDANCE WITH R.I. GEN. LAWS 37-2-18(j). THIS PUBLIC COPY MAY BE SUBMITTED ON EITHER A READABLE CD OR HARD (PAPER) COPY FOR THIS EMERGENCY PROCUREMENT.**

**SURETY REQUIRED: YES
BOND REQUIRED: YES**

MANDATORY PRE-BID: 11/13/12 – 10:00 A.M.

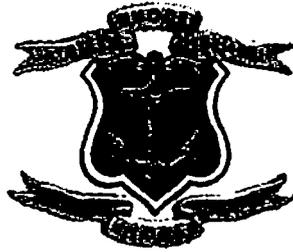
LOCATION: RIDOT, 2 CAPITOL HILL, ROOM 117, PROVIDENCE, RI

**Lisa Hill
Chief Buyer**

Vendors must register on-line at the State Purchasing Website at www.purchasing.ri.gov

Note to Vendors: Offers received without the completed RIVP Generated Bidder Certification Form may result in disqualification.

RHODE ISLAND DIVISION OF PURCHASES
HURRICANE SANDY BID PROPOSAL FORM



PROJECT NO. 2013-DF-029

BID A TOTAL PRICE TO FURNISH ALL LABOR, MATERIALS AND EQUIPMENT, AND INCIDENTALS WITH TRAFFIC CONTROL IN CONFORMANCE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) REQUIREMENTS TO PERFORM REPAIRS AS DESCRIBED IN THE BID DOCUMENTS.

The breakdown for each Hurricane ID is as follows:

HRS-005 \$ 770,000.00

HRS-006 \$ 680,000.00

\$ 1,450,000.00
NUMERICAL

\$ One million four hundred fifty thousand dollars and zero cents
WRITTEN WORDS

*NOTE: WORDS AND NUMBERS MUST MATCH. PROPOSALS OFFERING DIFFERENT AMOUNTS WILL BE REJECTED.

BID PROPOSAL MUST BE ACCOMPANIED BY THE ATTACHED BIDDER CERTIFICATION FORM.

SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH AN INSURANCE CERTIFICATE IDENTIFYING THE STATE OF RHODE ISLAND DEPARTMENT OF TRANSPORTATION AS THE ADDITIONAL INSURED.

RHODE ISLAND DIVISION OF PURCHASES
HURRICANE SANDY BID PROPOSAL FORM

LIMITS OF LIABILITY ARE AS IDENTIFIED IN ITEM 31 STATE OF RHODE ISLAND
CONDITIONS OF PURCHASE WHICH CAN BE VIEWED AT THE FOLLOWING
WEBSITE:

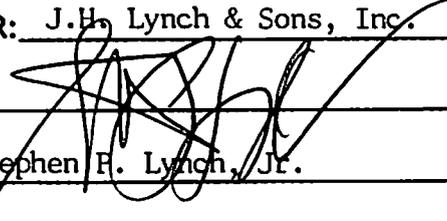
<http://www.purchasing.ri.gov/RIVIP/publicdocuments/ATTA.pdf>

IF THE CONTRACTOR VALUE EXCEEDS \$50,000 THE SUCCESSFUL BIDDER WILL BE
REQUIRED TO FURNISH A PERFORMANCE AND PAYMENT BOND FOR 100% OF THE
CONTRACT VALUE WITHIN THREE (3) DAYS OF REQUEST. FAILURE TO FURNISH
SAID BOND WILL RESULT IN DISQUALIFICATION.

ALL WORK PERFORMED IN CONJUNCTION WITH THIS PROJECT SHALL BE
COMPLETED IN ACCORDANCE WITH THE RHODE ISLAND DEPARTMENT OF
TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION, 2004 EDITION, COMPILATIONS OF APPROVED
SPECIFICATIONS, REQUIRED CONTRACT PROVISIONS FOR FEDERAL AID
CONSTRUCTION CONTRACTS, GENERAL PROVISIONS, RHODE ISLAND STANDARD
DETAILS, RHODE ISLAND BRIDGE STANDARD DETAILS, FEDERAL WAGE RATES,
CONTRACT SPECIFIC GENERAL PROVISIONS, JOB-SPECIFIC SPECIFICATIONS,
DISTRIBUTION OF QUANTITIES, APPENDICES (IF APPLICABLE).

DATE: November 15, 2012

CONTRACTOR: J.H. Lynch & Sons, Inc.

SIGNATURE: 

NAME: Stephen F. Lynch, Jr.

TITLE: President

DISCLOSURE OF LOBBYING ACTIVITIES CONTINUATION SHEET

Reporting Entity: _____ Page _____ of _____

CONFLICTS DISCLOSURE POLICY

To ensure that the Rhode Island Department of Transportation (RIDOT) maintains the continued confidence and trust of the people of Rhode Island in carrying out its mission, prospective vendors must disclose any family (or other personal) relationships, associations or connections that the vendor, its affiliates, or employees, may currently have with any RIDOT employee. A Conflicts Disclosure Statement shall be submitted to RIDOT from the following:

- ❖ Owners;
- ❖ Directors;
- ❖ Principals;
- ❖ Officers, board members, or individuals with corporate authority;
- ❖ If the vendor is a partnership, the applicant's partners;
- ❖ If the vendor is a limited liability company, its members and managers;
- ❖ Employees with decision-making authority, including executive directors, managers or individuals in a similar position with corporate authority; and
- ❖ Shareholders with a controlling interest.

CONFLICTS DISCLOSURE STATEMENTRE: 2013-DF-029 Hurricane Saney Repairs to Popposquash Road, BristolI, Stephen P. Lynch, Jr. hereby certify as follows:I am employed as a President of J.H. Lynch & Sons, Inc.
[TITLE] [COMPANY]

and to the best of my knowledge:

PLEASE CHECK THE APPROPRIATE BOX:

- I have no family or personal relations currently employed either on a full-time or part-time basis at the Rhode Island Department of Transportation.
- I do have family or personal relations currently employed at the Rhode Island Department of Transportation. Please list their name(s), title(s), and RIDOT Division(s) (if known):

NAME	TITLE	RIDOT DIVISION

*If necessary, please add any additional names as attachments hereto.***FOR ILLUSTRATIVE PURPOSES, FAMILY RELATIONS SHALL INCLUDE, WHETHER BY BLOOD, ADOPTION OR MARRIAGE, ANY OF THE FOLLOWING RELATIONSHIPS:**

Father, Mother, Son, Daughter, Brother, Sister, Grandfather, Grandmother, Grandson, Granddaughter, Father-In-Law, Mother-In-Law, Brother-In-Law, Sister-In-Law, Son-In-Law, Daughter-In-Law, Stepfather, Stepmother, Stepson, Stepdaughter, Stepbrother, Stepsister, Half-Brother Or Half-Sister, Niece, Nephew, And Cousin

- ❖ *If you are unsure whether a relationship, association, or connection you have may need to be disclosed, please consult with RIDOT's Legal Office at (401) 222-6510.*

SIGNATURE

11/15/12
DATE

By signing this form you: (1) certify that the information contained in this form is complete and accurate to the best of your knowledge; and (2) acknowledge your continuing obligation to complete and submit a new Disclosure form when there is any change in your family or personal relations during the course of this Contract.

This document is used for internal RIDOT purposes only in order to address and avoid any potential conflicts at the inception of the contract process and to avoid any impropriety or the appearance of impropriety during the contract process. Any disclosures made hereto will not prejudice prospective vendors from selection.

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION
AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

In accordance with the code of Federal Regulations, Part 49 CFR Section 29.510, the prospective primary participant Stephen P. Lynch, Jr. (name of Authorized Agent), President (Title), being duly sworn (or under penalty of perjury under the laws of the United States), certifies to the best of his/her knowledge and belief, that its principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification;
- d. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall list exceptions below.

Exceptions will not necessarily result in denial of award, but, will be considered in determining contractor responsibility. For any exception noted, indicate below to whom it applies, the initiating agency, and the dates of the action. Providing false information may result in criminal prosecution or administrative sanctions. If an exception is noted the contractor must contact the Department to discuss the exception prior to award of the contract.

Signature of Authorized Agent

November 15, 2012

Date

RI Contract No. 2013-DF-029
Hurricane Sandy Repairs to
POPPASQUASH ROAD IN BRISTOL
(HRS-005 and HRS-006 attached)

The Contractor shall not use private property to store equipment or materials without written approval of the property owner. All work must be completed from the State Right-of-Way. No areas shall be disturbed outside the limits of work.

RIDOT will pay for police when they are used. The contractor is required to include flaggers in their bid.

All RIDOT Standard Specifications, latest Compilations and Material Testing requirements apply to this contract.

All work associated with HRS-005 and HRS-006 must be completed by January 31, 2013.

Payment of Lump Sum items will be based on the percentage of work completed. The State will hold 10% of the Lump Sum item until Final Acceptance. A 3% retainage will not be held.

All Construction Layout and Survey will be incidental to this Contract.

All pavement layer thickness shall as required in the project scope. All areas where pavement is removed must be restored within 3 days or the end of the work week.

All pavement markings will be paint.

Performance Bonds and Insurance are required for all work over \$50,000.

The contractor shall certify with their bid that they have sufficient resources to complete the work without having an effect on any existing emergency repair contracts or other RIDOT contracts.

Latest Federal Wage rates shall apply.

Subcontractor agreements must be submitted and accepted by the Department.

RIDOT Hurricane Sandy Guidelines are also attached for your information.

HURRICANE SANDY DAMAGE GUIDELINES

Hurricane Sandy Damage Proposal Protocol

1. Talk with Engineering to obtain photos or take your own for repair location.
2. Verify scope with engineering and your supervisor.
3. Meet with a minimum of two contractors together at the site to discuss the scope of restoration. Obtain proposal from the two contractors, within 24 hours, and forward to the main office. Proposal for work should be lump sum based on the estimated scope from discussions with you and engineering, and supervisor. The contractor's proposal must include schedule for start and completion for work as well as a bond (for restoration/repair work over \$50,000 only).
4. Contract Administration office will provide a letter of approval to start work and Construction Management Office will authorize RE to start work
5. Construction Management Office to give copies of proposal and projected completion date to Engineering Office to update spreadsheet.
6. Engineering will set up paperwork for FHWA funding
7. Resident Engineer/Inspector to document activity using daily activity reports and photos.
8. Supervisor must be notified of completed work, perform final inspection with Office of Quality Compliance and Review to accept work and authorize payment.

General Guidelines

1. All work and materials must comply with RI Standards and Specifications.
2. Stay within the original scope of work unless otherwise approved by Construction Management Office.
3. Erosion controls are required, where appropriate
4. All traffic controls must be installed per the MUTCD

Construction Guidelines

1. Repairs are to be kept to a minimum, but restored to original line and grade
2. Materials section must be contacted accordingly for appropriate test as required
3. Paved shoulder repairs/roadways should be leveled, backfilled with appropriate material, compacted, paved and striped
4. All paved shoulder/roadway restoration, cut and match line, should be located on the roadway edge line. If the washout is beyond the edge line the cut and match line should be the center of the travel lane. If greater

than ½ of the travel lane... cut and match at the centerline of the roadway.
DO NOT LOCATE JOINTS IN THE WHEELPATH

Roadway repairs should include, but not be limited to the following. Saw cut pavement, remove pavement, backfill with gravel borrow subbase and restore flexible pavement in-kind.

5. Landscape shoulders must be restored and stabilized with appropriate materials such as jute mesh, fabric or just plantable soil and seed
6. If the roadway/bridge is closed, this will be considered a priority and the contractor should base his proposal on working a minimum of 12 hours per day and work will take place six days per week, Monday thru Saturday.
7. If the roadway/bridge is open to traffic, the contractor proposal should be based on a minimum 8 hours per day and work will take place six days per week, Monday thru Saturday
8. We do not anticipate any overnight work at this time
9. Holiday work is required except on Thanksgiving Day, Christmas Day and New Year's Day

FLOOD DAMAGE INVENTORY

**TOWN OF BRISTOL
NOVEMBER 9, 2012**

POPPASQUASH ROAD

HRS-005

Ocean waves and flooding has damaged seawalls and their respective footings along Poppasquash Road.

The repair and/or reconstruction of the seawalls and their footings shall follow the attached plans and will include:

- Place turbidity curtains and silt fence erosion control as required or directed by the Engineer
- Full depth sawcut existing pavement to limits of repair work
- Remove and dispose pavement to limits of repair work
- Remove and dispose debris from shoulders
- Stockpile and retain stones from damaged wall portions for re-use in wall repairs
- Stockpile and retain existing large angular rocks remaining from the eroded embankments for use as rip rap
- Excavation
- Dewatering/water protection
- Pervious Fill
- Heavy Woven Geotextile Fabric
- Mortar for Masonry Joints
- Reconstruct/repair stone seawalls as needed using existing stones and supplemented by new stones resembling the existing stones and approved by the Engineer
- Wall repair and/or reconstruction in accordance with Section 939, Stone Walls in Historic, Scenic or Rural Areas
- Rebuild embankments along seawalls
- Armor the roadway embankment with placed rip rap comprised of existing stockpiled stones and supplemented as needed with new rip rap, RI Standard R8
- Bedding for rip rap
- Filter fabric for rip rap bedding, RI Standard FS-3
- See HRS-006 for items included in repair of adjacent retaining walls
- See HRS-006 for items included in repair of roadway above box culvert

The limits of work are identified on the plans and total approximately 3,800 LF of Seawall.



Failed Portion of Wall "A" – West of Culvert 1 (Bridge #293)



Failed Portion of Wall "A" – West of Culvert 1 (Bridge #293)



Typical Condition of Wall "C"



Damage to Top of Wall "A" – East of Culvert 1 (Bridge #293)



Typical Condition of Wall "D"



Project Name: Hurricane Sandy Repair to Poppasquash Road
 RI Design Contract No(s): _____
 RI Construction Contract No(s): 2013-DF-029
 Submission: ADV Date: 11/9/2012

PROJECT INFORMATION

Brief Project Description: The total length of emergency repair along Poppasquash Road in Bristol County, Town of Bristol, is approximately 0.9 miles. This project involves full depth pavement removal and resurfacing of roadway and will include but is not limited to replacing existing culverts, repairing and reconstructing seawalls, adding geotextile fabrics in back of seawalls, removing and disposing concrete curb, removing and disposing sidewalks, sawcutting bituminous pavement, installing new pavement, installing new concrete curbing, installing new cement concrete sidewalks, installing new guardrails, installing new drainage structures, furnishing and installing pavement markings, adjusting existing drainage structures, cleaning existing drainage structures and pipes, adjusting existing gate valves and manholes, cleaning and sweeping pavement, maintenance and protection of traffic, loaming and seeding, and all other incidentals necessary to complete the project.

General Work Limits: The limit of work on Poppasquash Road extends from Hope Street to West Harbor Road

WORK ZONE LOCATIONS			
ROADWAY NAME or INTERSECTION	FROM	TO	APPROX. LENGTH
Poppasquash Road	Hope Street	West Harbor Road	0.9 Miles

General Project Schedule*: This Project Will be advertised in November 2012 and be completed within three months.

*The information in this section is not intended to and shall not supersede the approved schedule and milestone/completion dates for the project.

TRAFFIC-RELATED WORK RESTRICTIONS

General Restrictions: The Contractor will work a minimum of 12 hours per day for 6 days a week from Monday to Saturday with an exception to the following Holiday Restrictions.

Holiday Restrictions: With an exception to proposed detour, following holiday restriction shall apply No lane and/or shoulder closures allowed after 1:00 pm on the Friday preceding a holiday weekend. **NEW**
YEAR'S DAY AND CHRISTMAS DAY
No lane and/or shoulder closures allowed after 1:00 pm on the day before the holiday
No lane and/or shoulder closures allowed on the holiday
THANKSGIVING DAY
No lane and/or shoulder closures allowed after 1:00 pm on the Wednesday preceding Thanksgiving Day
No lane and/or shoulder closures allowed on Thanksgiving Day, Friday, Saturday and Sunday

TEMPORARY TRAFFIC CONTROL PLANS

These RIDOT- and/or Designer-Developed TTC Plans will be used during the work on this project

RIDOT TYPICAL TTC PLANS		Included in:	
	TMP	Plan Set	
<input type="checkbox"/> Mobile Operation	[]	[]	
<input type="checkbox"/> Work Beyond the Shoulder	[]	[]	
<input checked="" type="checkbox"/> Shoulder Closure - Two Lane Road	X	[]	
<input type="checkbox"/> Shoulder Closure - Limited Access	[]	[]	
<input type="checkbox"/> 1-Side Lane Shift - Two Lane Road	[]	[]	
<input type="checkbox"/> 2-Side Lane Shift - Two Lane Road	[]	[]	
<input type="checkbox"/> Lane Shift - Limited Access	[]	[]	
<input checked="" type="checkbox"/> Lane Closure - Two Lane Road	X	[]	
<input type="checkbox"/> Lane Closure - Four Lane Road	[]	[]	
<input type="checkbox"/> Lane Closure - Limited Access	[]	[]	
<input type="checkbox"/> Double Lane Closure - Limited Access	[]	[]	

DESIGNER-DEVELOPED TTC PLANS		Included in:	
	TMP	Plan Set	
Work Beyond Shoulder	X	[]	
Detour Plan	X	[]	
	[]	[]	
	[]	[]	
	[]	[]	
	[]	[]	
	[]	[]	
	[]	[]	
	[]	[]	
	[]	[]	

PUBLIC INFORMATION PLAN

These strategies will be used to provide information concerning the project to road users and the community

SELECTED STRATEGIES

- RIDOT travel advisories news releases
- RIDOT travel advisories web site
- RIDOT 511 traveler information system

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

- RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
- RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
- RIDOT TMP Imp. Mngr. to send RIDOT notification form to RIDOT TMC min. 48 hrs. in advance of restrictions.

TRANSPORTATION OPERATIONS PLAN

These strategies will be used to provide improved transportation operations/safety within project work zones

SELECTED STRATEGIES

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's TMP Implementation Manager (If Identified below) is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accommodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The RIDOT TMP Implementation Manager or his/her responsible designee should (1) inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the ATSSA *Quality Guidelines for Temporary Traffic Control Devices and Features*, and where applicable, the other transportation management strategies identified above and (2) document all work zone-related feedback and complaints that are received from the public.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Deputy Chief Engineer, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

Other Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work

DEPUTY CHIEF ENGINEER		
Signature: _____ <div style="text-align: center; font-size: small;">Frank Corrao III, P.E.</div>		
Date: _____		
Revision #	Initials	Date

STATE TRAFFIC ENGINEER		
Signature: _____ <div style="text-align: center; font-size: small;">Robert Rocchio, P.E.</div>		
Date: _____		
Revision #	Initials	Date

CHIEF ENGINEER		
Signature: _____ <div style="text-align: center; font-size: small;">Kazem Farhoumand, P.E.</div>		
Date: _____		
Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

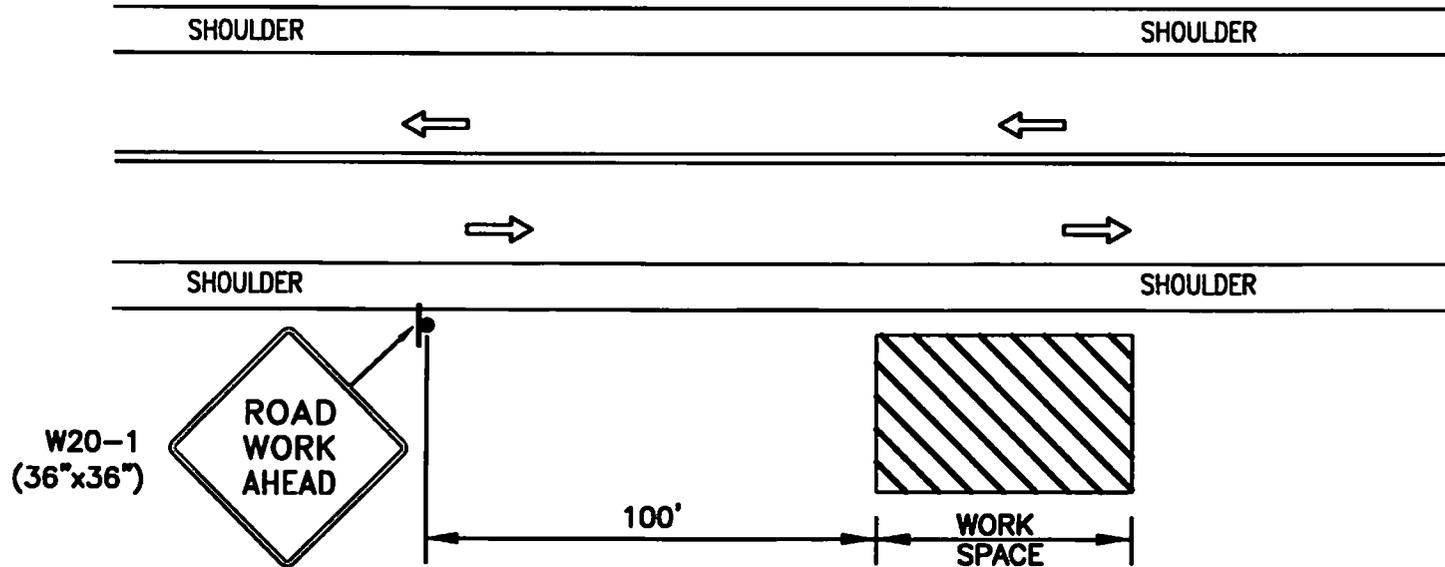
Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT	
Name: _____	
Title: _____	
Unit: _____	
Office Phone: _____	
Mobile Phone: _____	
E-Mail: _____	

CONTRACTOR (if contract work)	
Name: _____	
Title: _____	
Company/Unit: _____	
Office Phone: _____	
Mobile Phone: _____	
E-Mail: _____	

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. TEMPORARY CONSTRUCTION SIGNS SHALL BE PLACED SO THEY DO NOT ENCROACH ON OPEN LANES OF TRAFFIC.
4. CONSTRUCTION VEHICLES SHALL NOT ENCROACH UPON OPEN LANES OF TRAFFIC EXCEPT WHEN ENTERING AND EXITING THE WORK ZONE.
5. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.



TYPICAL TRAFFIC CONTROL PLAN FOR

WORK BEYOND THE SHOULDER

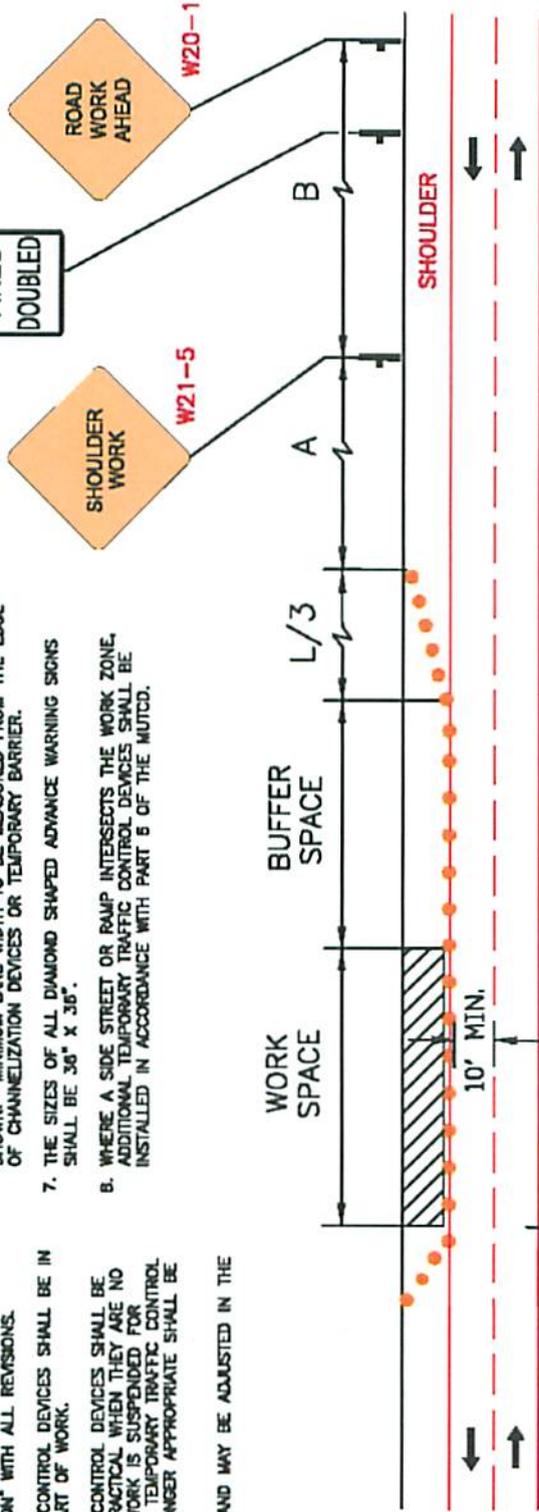
NOT TO SCALE

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

5. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
6. MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.
7. THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36" X 36".
8. WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART 8 OF THE MUTCD.

WORK ZONE
TRAFFIC FINES DOUBLED
R.I. Std. 27.1.1
(SEE STD. FOR SIZES AND INSTALL LOCATION)



TAPER AND BUFFER LENGTHS

Speed Limit	Taper Length* (L) Feet	Buffer Spacing** (B) Feet
25 MPH	125	55
30 MPH	180	85
35 MPH	245	120
40 MPH	320	170
45 MPH	540	220
50 MPH	600	280

* Required
** Suggested

MINIMUM ADVANCE WARNING SIGN SPACING

Posted Speed Limit & Location	Distance Between Signs (FEET)		
	A	B	C
30 MPH OR LESS In URBAN OR RURAL AREA	100	100	100
35 MPH OR HIGHER In URBAN AREA	350	350	350
35 MPH OR HIGHER In RURAL AREA	500	500	500



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
TEMPORARY
TRAFFIC CONTROL PLAN

TYPICAL SHOULDER CLOSURE ON TWO-LANE ROADWAY

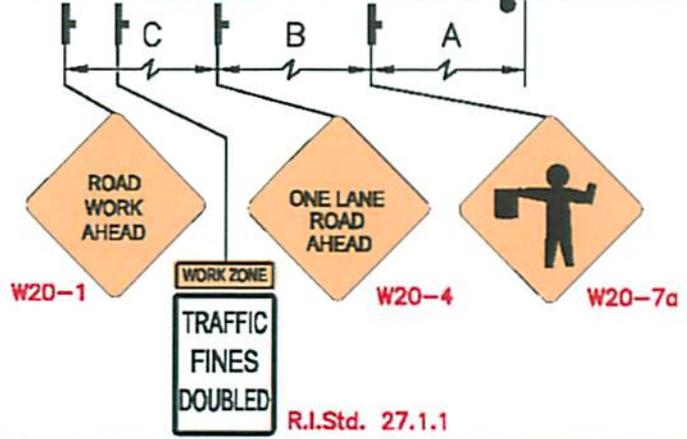
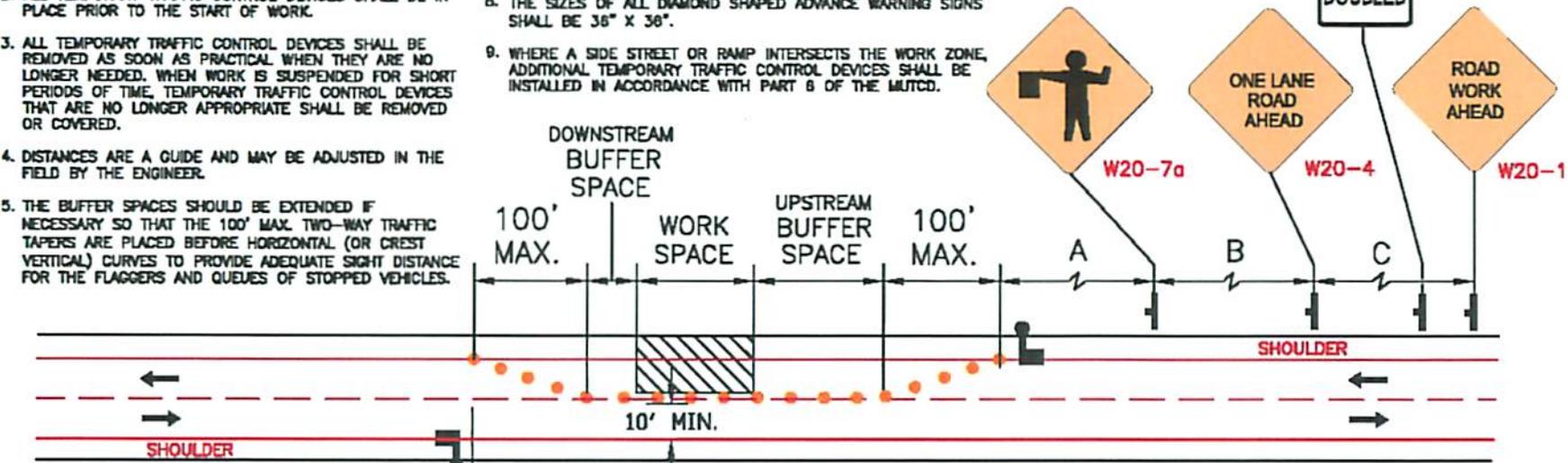
NOT TO SCALE

DATE: 12-23-08

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
5. THE BUFFER SPACES SHOULD BE EXTENDED IF NECESSARY SO THAT THE 100' MAX. TWO-WAY TRAFFIC TAPERS ARE PLACED BEFORE HORIZONTAL (OR CREST VERTICAL) CURVES TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND QUEUES OF STOPPED VEHICLES.
6. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN THE 100' MAX. TWO-WAY TRAFFIC TAPERS IS 25 FEET. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
7. MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.
8. THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36" X 36".
9. WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART B OF THE MUTCD.

WORK ZONE
TRAFFIC FINES DOUBLED
 R.I.Std. 27.1.1
 (SEE STD. FOR SIZES AND INSTALL. LOCATION)



MINIMUM ADVANCE WARNING SIGN SPACING

Posted Speed Limit & Location	Distance Between Signs (Feet)		
	A	B	C
30 MPH OR LESS In URBAN OR RURAL AREA	100	100	100
35 MPH OR GREATER In URBAN AREA	350	350	350
35 MPH OR GREATER In RURAL AREA	500	500	500

BUFFER LENGTHS

Speed Limit	Upstream Buffer Space* (Feet)
25 MPH	55
30 MPH	85
35 MPH	120
40 MPH	170
45 MPH	220
50 MPH	280

* Suggested

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

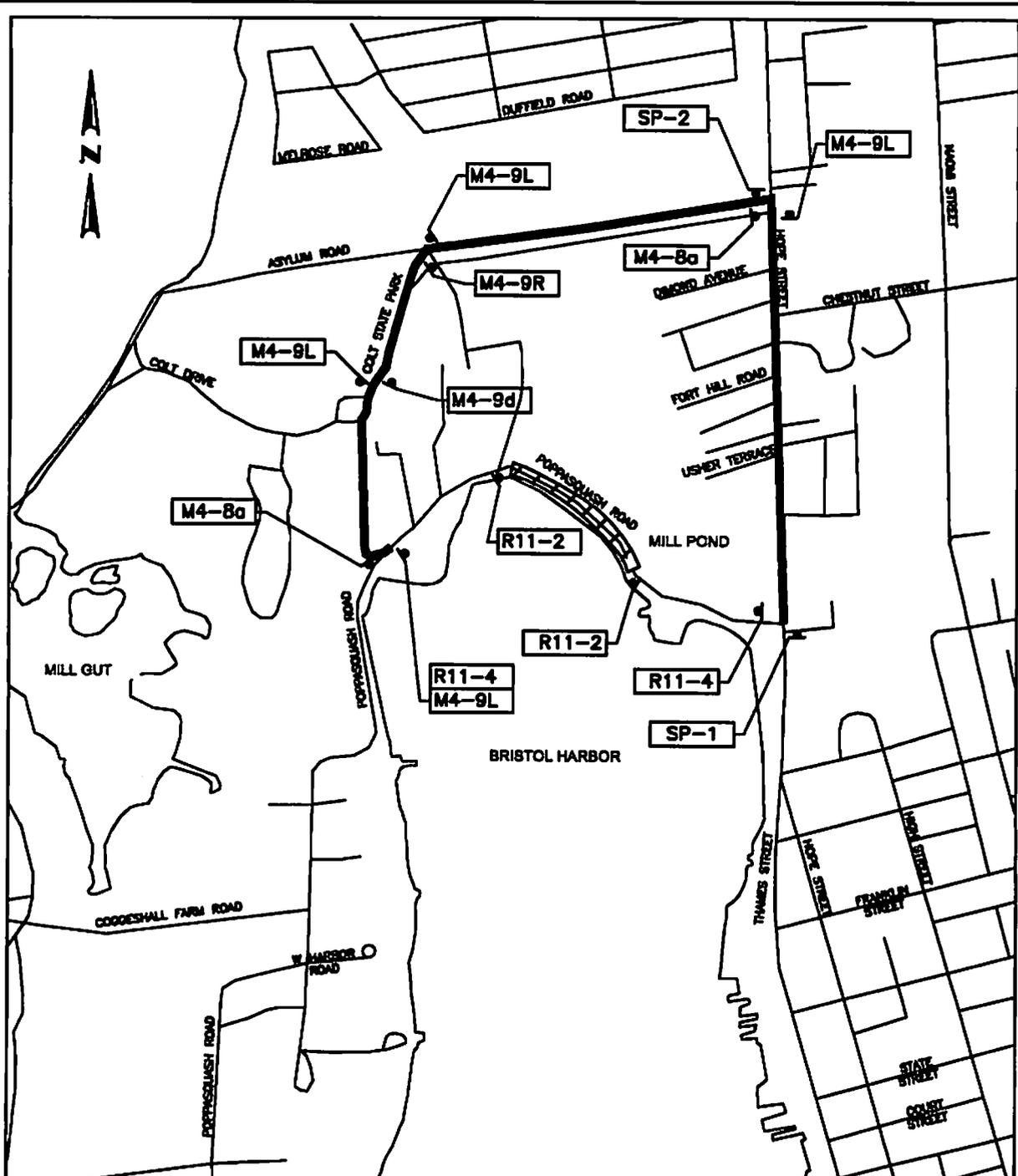
TEMPORARY
 TRAFFIC CONTROL PLAN



**TYPICAL LANE CLOSURE
 ON
 TWO-LANE ROADWAY**

NOT TO SCALE

DATE: 12-23-08



LEGEND

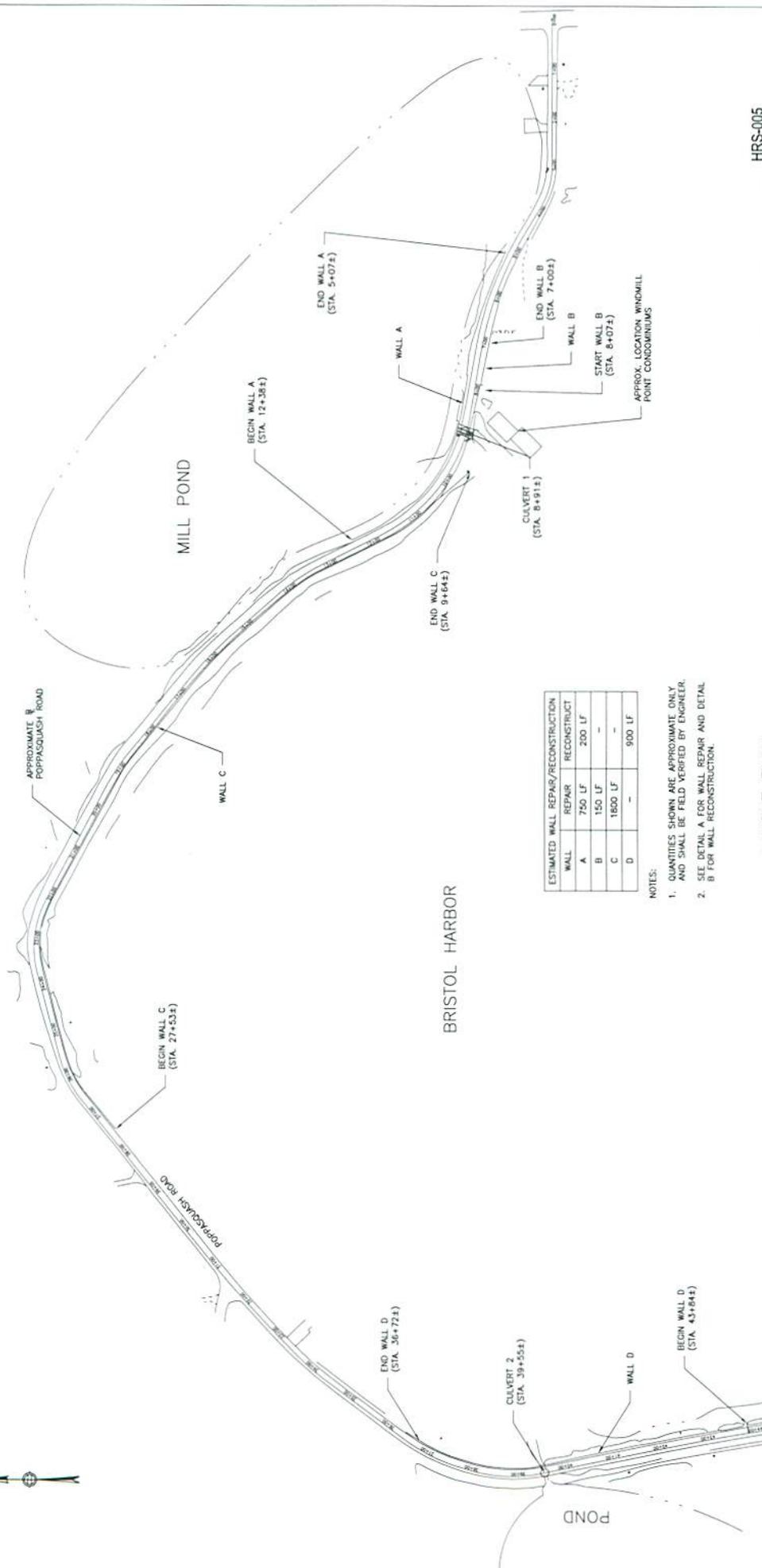
- ↑ SIGN
 - ↑ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS-A/B)
 - DIRECTION OF TRAVEL
 - DETOUR PATH
 - == CLOSED ROADWAY
- | | | | | |
|---|---|---|-----------------------------------|------------------------------------|
|
Poppasquash Rd (30"x12")
DETOUR (30"x24")
M4-9d |
Poppasquash Rd (30"x12")
DETOUR (30"x24")
M4-9R |
Poppasquash Rd (30"x12")
DETOUR (30"x24")
M4-9L |
END DETOUR (24"x18")
M4-8a |
ROAD CLOSED (48"x30")
R11-2 |
|
ROAD CLOSED THIS DATE
R11-4 |
POPPASQUASH RD CLOSED USE ASYLUM RD
DETOUR
SP-1 |
POPPASQUASH RD CLOSED USE ASYLUM RD
DETOUR
SP-2 | | |

DETOUR PLAN
FOR CLOSURE OF POPPASQUASH ROAD
BRISTOL, RI
 NOT TO SCALE

NOTE:
 FINAL LOCATION OF SIGNS SHALL BE
 DETERMINED IN THE FIELD BY THE ENGINEER.

REV. NO.	DATE	BY	REVISIONS
1	R.L.		

DATE	PROJECT NO.	YEAR	REV.	SHEETS
2012		2012	4	6



WALL	REPAIR	RECONSTRUCT
A	750 LF	200 LF
B	150 LF	-
C	1800 LF	-
D	-	900 LF

NOTES:

1. QUANTITIES SHOWN ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED BY ENGINEER.
2. SEE DETAIL A FOR WALL REPAIR AND DETAIL B FOR WALL RECONSTRUCTION.

LAYOUT PLAN

SCALE: 1" = 200'-0"



HRS-005

REV. NO.	DATE	BY	REVISIONS

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 HURRICANE SANDY REPAIRS TO
 POPPASQUASH ROAD
 BRISTOL
 RHODE ISLAND
LAYOUT PLAN

CHECKED BY: _____ DATE: _____ SCALE: NO. SCALE



NO.	DATE	BY	REVISIONS
1	10/13/15		

NO.	DATE	BY	REVISIONS
1	10/13/15		

NO.	DATE	BY	REVISIONS
1	10/13/15		

NO.	DATE	BY	REVISIONS
1	10/13/15		

NO.	DATE	BY	REVISIONS
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STANDARD PLAN SYMBOLS & LEGEND

RHODE ISLAND
HURRICANE SANDY REPAIRS TO
POPPASUASH ROAD

DEPARTMENT OF TRANSPORTATION
RHODE ISLAND

HRS-005



DEPARTMENT OF TRANSPORTATION
RHODE ISLAND

SCALE NO. SCALE

CHECKED BY DATE

1. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH THE 2010 EDITION OF AND SUPPLEMENTS TO THE RHODE ISLAND BRIDGE CONSTRUCTION (BRIDGE STANDARDS ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (ASHRTO) BRIDGE CONSTRUCTION SPECIFICATIONS, THIRD EDITION, 2010, INCLUDING THE LATEST INTERIM REVISIONS.

2. THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (ASHRTO) BRIDGE CONSTRUCTION SPECIFICATIONS, THIRD EDITION, 2010, INCLUDING THE LATEST INTERIM REVISIONS.

3. THE 2010 EDITION OF AND SUPPLEMENTS TO THE RHODE ISLAND BRIDGE CONSTRUCTION (BRIDGE STANDARDS ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (ASHRTO) BRIDGE CONSTRUCTION SPECIFICATIONS, THIRD EDITION, 2010, INCLUDING THE LATEST INTERIM REVISIONS.

4. THE 2011 REVISION OF AND SUPPLEMENTS TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL DATED 2007.

5. THE RHODE ISLAND BRIDGE DESIGN MANUAL, 2007 EDITION INCLUDING ALL REVISIONS TO DATE REVISIONS TO DATE.

6. THE ASHOTO BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION, 2012, INCLUDING ALL INTERIM REVISIONS TO DATE.

7. THE DESIGN VELOCITY LOAD SHALL BE THE LR-90 DESIGNATION ADJUSTED FOR DYNAMIC LOAD ALLOWANCE AND MULTIPLE PRESENCE FACTOR.

8. MATERIALS AND MULTIPLE PRESENCE FACTOR.

9. STRUCTURAL STEEL

10. REINFORCED STEEL

11. MASHTO DESIGNATION M 31, GRADE 50

12. CLASSIFIED 36,000 PSI

13. PRECAST BOX CULVERTS, CONCRETE HEADWALLS

14. CONCRETE SHALL BE HIGH PERFORMANCE CLASS HP AS DESCRIBED IN THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS OF THE MATERIAL NOTES

15. ALL CLASSES OF CONCRETE ARE TO BE MOORED THROUGH THE ADDITION OF CALCIUM NITRIDE. BASED CORROSION INHIBITOR IN ACCORDANCE WITH SECTION 605 OF THE RI STANDARD SPECIFICATIONS

16. THE CONTRACTOR MAY, AT THE APPROVAL OF THE ENGINEER, PROVIDE THE USE OF SELF-CONSOLIDATING CONCRETE FOR ANY CLASS OF CONCRETE ON THE PROJECT; SECTION 606 SELF-CONSOLIDATING CONCRETE FOR ANY CLASS OF CONCRETE OR CONCRETE MIX DESIGN FOR

17. SELF-CONSOLIDATING APPLICATIONS.

18. ALL PORTLAND CEMENT CONCRETE SHALL BE AIR-ENTRAINED

19. REINFORCING STEEL SHALL BE EPOXY COATED. ALL WIRE TIES AND MISCELLANEOUS HARDWARE USED FOR PLACEMENT OF EPOXY COATED REINFORCING SHALL ALSO BE EPOXY COATED. EPOXY COATING FOR CONCRETE CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH (ROOTINGS, ABUTMENT AND WALL FACES, BACKWALLS)

20. CONCRETE DIRECTLY EXPOSED TO SALT WATER

21. DECK SLABS (WITH WEARING SURFACE) TOP 2" (47.5) BOTTOM 1" (25)

GENERAL NOTES

DESIGN DATA

CONSTRUCTION NOTES

SUGGESTED SEQUENCE OF CULVERT CONSTRUCTION

SEAWALL NOTES

PRECAST CONCRETE BOX CULVERT NOTES

CONCRETE NOTES

REINFORCING CURTAINS SHALL BE USED AT RIP RAP REPAIR LOCATIONS.

1. THE CONTRACTOR SHOULD BE AWARE THAT CONSTRUCTION MAY BE AFFECTED BY THE CYCLES OF THE OCEAN TIDES WHICH ARE INCLUDED AS PART OF THE SITE CONDITIONS.

2. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATION OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERGROUND IN ACCORDANCE WITH THE DIG SAFE PROGRAM LAW. THE CONTRACTOR SHOULD BE AWARE THAT NOT ALL UTILITY COMPANIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL UTILITY COMPANIES HAVE BEEN NOTIFIED AND ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE, COORDINATE AND SCHEDULE HIS WORK AND ALL SECTIONS HEREOF WITH THE ENGINEER, OTHER CONTRACTORS, UTILITY OWNERS, AND APPLICABLE LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE HURRICANE SANDY REPAIRS TO POPPASUASH ROAD.

3. CONTRACTOR SHALL PREPARE A TEMPORARY DIVERSION/WATER CONTROL PLAN AND SUBMIT TO ENGINEER FOR APPROVAL.

4. TURNBURY CURTAINS SHALL BE USED AT RIP RAP REPAIR LOCATIONS.

5. THE CONTRACTOR SHOULD BE AWARE THAT CONSTRUCTION MAY BE AFFECTED BY THE CYCLES OF THE OCEAN TIDES WHICH ARE INCLUDED AS PART OF THE SITE CONDITIONS.

6. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATION OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERGROUND IN ACCORDANCE WITH THE DIG SAFE PROGRAM LAW. THE CONTRACTOR SHOULD BE AWARE THAT NOT ALL UTILITY COMPANIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL UTILITY COMPANIES HAVE BEEN NOTIFIED AND ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE, COORDINATE AND SCHEDULE HIS WORK AND ALL SECTIONS HEREOF WITH THE ENGINEER, OTHER CONTRACTORS, UTILITY OWNERS, AND APPLICABLE LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE HURRICANE SANDY REPAIRS TO POPPASUASH ROAD.

7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE, COORDINATE AND SCHEDULE HIS WORK AND ALL SECTIONS HEREOF WITH THE ENGINEER, OTHER CONTRACTORS, UTILITY OWNERS, AND APPLICABLE LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE HURRICANE SANDY REPAIRS TO POPPASUASH ROAD.

8. UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXPOSED CONCRETE SURFACES VISIBLE IN ELEVATION ONE FOOT BELOW FINAL GROUND LINE SHALL RECEIVE A CONCRETE SURFACE RUBBERED FINISH IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS.

9. ALL EXPOSED EDGES AND REINFORCING CORNERS NOT OTHERWISE DETAILED ON THE PLANS SHALL HAVE A MINIMUM 1/2" CHAMFER.

10. BOTH FEDERAL AND STATE LAW (GENERAL LAW 38-12) REQUIRE NOTIFICATION OF APPROXIMATE UTILITY COMPANIES BEFORE DIGGING, TRENCHING, BLASTING, DEMOLISHING, BORING, BACK FILLING, GRADING, OR OTHER EARTH MOVING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES INCLUDING THROUGH THE DIG SAFE PROGRAM THAT ALL UTILITIES, BOTH UNDERGROUND AND OVERGROUND, HAVE BEEN MARKED BEFORE COMMENCEMENT OF SUCH WORK. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILURE TO CONTACT THE APPLICABLE UTILITY COMPANIES, SHALL BE REPAIRED OR REPLACED AS DEEMED NECESSARY BY THE STATE AND/OR THE IMPACTED UTILITY COMPANY AT NO ADDITIONAL COST TO THE STATE.

11. THE ASHOTO BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION, 2012, INCLUDING ALL INTERIM REVISIONS TO DATE.

12. THE RHODE ISLAND BRIDGE DESIGN MANUAL, 2007 EDITION INCLUDING ALL REVISIONS TO DATE.

13. THE OTHER ANY TABLE DESIGN SPECIFICATIONS ARE REFERENCED IN SECTION 6 OF THE RHODE ISLAND BRIDGE DESIGN MANUAL DATED 2007.

14. IN CASE OF CONFLICT, THE RHODE ISLAND BRIDGE DESIGN MANUAL SHALL GOVERN.

15. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (BRIDGE STANDARDS ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (ASHRTO) BRIDGE CONSTRUCTION SPECIFICATIONS, THIRD EDITION, 2010, INCLUDING THE LATEST INTERIM REVISIONS).

16. THE 2010 EDITION OF AND SUPPLEMENTS TO THE RHODE ISLAND BRIDGE CONSTRUCTION (BRIDGE STANDARDS ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (ASHRTO) BRIDGE CONSTRUCTION SPECIFICATIONS, THIRD EDITION, 2010, INCLUDING THE LATEST INTERIM REVISIONS).

17. THE 2011 REVISION OF AND SUPPLEMENTS TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL DATED 2007.

18. THE RHODE ISLAND BRIDGE DESIGN MANUAL, 2007 EDITION INCLUDING ALL REVISIONS TO DATE.

19. THE ASHOTO BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION, 2012, INCLUDING ALL INTERIM REVISIONS TO DATE.

20. NO ADDITIONAL PAYMENT WILL BE MADE FOR MATERIAL, EQUIPMENT, LABOR OR INCIDENTALS NECESSARY TO PERFORM OPERATIONS DURING COLD OR INCLEMENT WEATHER. ANY ADDITIONAL COSTS ASSOCIATED WITH COLD OR INCLEMENT WEATHER WORK WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE ITEMS FOR WHICH THE COSTS INCURRED.

21. CONTRACTOR SHALL PREPARE A TEMPORARY DIVERSION/WATER CONTROL PLAN AND SUBMIT TO ENGINEER FOR APPROVAL.

22. TURNBURY CURTAINS SHALL BE USED AT RIP RAP REPAIR LOCATIONS.

23. THE CONTRACTOR SHOULD BE AWARE THAT CONSTRUCTION MAY BE AFFECTED BY THE CYCLES OF THE OCEAN TIDES WHICH ARE INCLUDED AS PART OF THE SITE CONDITIONS.

24. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATION OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERGROUND IN ACCORDANCE WITH THE DIG SAFE PROGRAM LAW. THE CONTRACTOR SHOULD BE AWARE THAT NOT ALL UTILITY COMPANIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL UTILITY COMPANIES HAVE BEEN NOTIFIED AND ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE, COORDINATE AND SCHEDULE HIS WORK AND ALL SECTIONS HEREOF WITH THE ENGINEER, OTHER CONTRACTORS, UTILITY OWNERS, AND APPLICABLE LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE HURRICANE SANDY REPAIRS TO POPPASUASH ROAD.

25. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE, COORDINATE AND SCHEDULE HIS WORK AND ALL SECTIONS HEREOF WITH THE ENGINEER, OTHER CONTRACTORS, UTILITY OWNERS, AND APPLICABLE LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE HURRICANE SANDY REPAIRS TO POPPASUASH ROAD.

26. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL MAIN REINFORCING BARS SHALL HAVE THE FOLLOWING MINIMUM COVER:

27. CONCRETE CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH (ROOTINGS, ABUTMENT AND WALL FACES, BACKWALLS)

28. CONCRETE DIRECTLY EXPOSED TO SALT WATER

29. DECK SLABS (WITH WEARING SURFACE) TOP 2" (47.5) BOTTOM 1" (25)

ROADWAY FLOOD DAMAGED INVENTORY

TOWN OF BRISTOL
NOVEMEBR 9, 2012

POPPASQUASH ROAD

HRS-006

Ocean Waves have eroded existing seawalls and undermined the roadway and culverts. Flooding has scoured embankments and pavements.

The roadway repairs shall follow the attached typical sections and General Plans and will include:

- Survey existing roadway centerline horizontal and vertical position at a minimum of 50 foot intervals.
- Install erosion controls including but not limited to hay bales, silt fence, floating turbidity curtain etc.
- Full depth sawcut of existing pavements to limits of repair work.
- Remove pavement to its full depth and retain existing subbase
- Remove sidewalks and curbing
- Trim and fine grade subbase material
- Curb setting
- Adjust utility castings and structures
- Replace drainage structures
- Install bicycle safe grates
- Install new sidewalk
- Install new pavements
- Install riprap RI standard R-8
- Install filter fabric for Rip Rap bedding, RI Standard FS-3
- Pavement Markings
- Loam and seed shoulders
- Remove all erosion controls
- Traffic Control
 - Roadway closed in accordance with MUTCD 2009
 - Sign the road closed detour as indicated on the Plans
- See HRS-005 for items included in repair of adjacent retaining walls

The replacement of the culvert (Culvert 2) shall follow the attached plan and will include, but is not limited to:

- Survey existing culvert
- Preparation of design calculations and shop drawings for culvert
- Preparation of Temporary Diversion/Water Control Plan
- Installing turbidity curtains as needed and/or directed by the Engineer
- Temporary diversion of channel flow
- Dewatering/water protection and floating turbidity curtain
- Excavation
- Removal and disposal of existing culvert
- Bedding (crushed stone) for proposed culvert

- Rip-rap (RI Standard R-5) channel protection with RI Standard FS-2 bedding and geotextile fabric at inlet and outlet of culvert
- Installation of two (2) 4' x 4' precast concrete box culverts
- All joint sealants, grouting and reinforcement necessary for installation of culverts and head walls
- Membrane waterproofing
- Bituminous damp-proofing
- Pervious fill w/ filter fabric
- Form and cast-in-place concrete headwalls/parapets
- Installation of CMU bulkhead on each end of one (1) precast concrete box culvert upon completion
- Installation of RIDOT Historic Section approved finish on headwalls
- Restore channel rip rap and disturbed areas as determined by Engineer
- All other incidentals necessary to complete work within the limits shown on the attached plans

The limits of work are identified in the field and total approximately 0.9 miles.



ROADWAY EROSION



Project Name: Hurricane Sandy Repair to Poppasquash Road

RI Design Contract No(s): _____

RI Construction Contract No(s): 2013-DF-029

Submission: ADV

Date: 11/9/2012

PROJECT INFORMATION

Brief Project Description: The total length of emergency repair along Poppasquash Road in Bristol County, Town of Bristol, is approximately 0.9 miles. This project involves full depth pavement removal and resurfacing of roadway and will include but is not limited to replacing existing culverts, repairing and reconstructing seawalls, adding geotextile fabrics in back of seawalls, removing and disposing concrete curb, removing and disposing sidewalks, sawcutting bituminous pavement, installing new pavement, installing new concrete curbing, installing new cement concrete sidewalks, installing new guardrails, installing new drainage structures, furnishing and installing pavement markings, adjusting existing drainage structures, cleaning existing drainage structures and pipes, adjusting existing gate valves and manholes, cleaning and sweeping pavement, maintenance and protection of traffic, loaming and seeding, and all other incidentals necessary to complete the project.

General Work Limits: The limit of work on Poppasquash Road extends from Hope Street to West Harbor Road

WORK ZONE LOCATIONS

ROADWAY NAME or INTERSECTION	FROM	TO	APPROX. LENGTH
Poppasquash Road	Hope Street	West Harbor Road	0.9 Miles

General Project Schedule*: This Project Will be advertised in November 2012 and be completed within three months.

*The information in this section is not intended to and shall not supersede the approved schedule and milestone/completion dates for the project.

TRAFFIC-RELATED WORK RESTRICTIONS

General Restrictions: The Contractor will work a minimum of 12 hours per day for 6 days a week from Monday to Saturday with an exception to the following Holiday Restrictions.

Holiday Restrictions: With an exception to proposed detour, following holiday restriction shall apply No lane
and/or shoulder closures allowed after 1:00 pm on the Friday preceding a holiday weekend. NEW

YEAR'S DAY AND CHRISTMAS DAY
No lane and/or shoulder closures allowed after 1:00 pm on the day before the holiday
No lane and/or shoulder closures allowed on the holiday

THANKSGIVING DAY
No lane and/or shoulder closures allowed after 1:00 pm on the Wednesday preceding Thanksgiving Day
No lane and/or shoulder closures allowed on Thanksgiving Day, Friday, Saturday and Sunday

TEMPORARY TRAFFIC CONTROL PLANS

These RIDOT- and/or Designer-Developed TTC Plans will be used during the work on this project

RIDOT TYPICAL TTC PLANS		Included In:	
		TMP	Plan Set
<input type="checkbox"/> Mobile Operation		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Work Beyond the Shoulder		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Shoulder Closure - Two Lane Road		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Shoulder Closure - Limited Access		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1-Side Lane Shift - Two Lane Road		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 2-Side Lane Shift - Two Lane Road		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Shift - Limited Access		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Lane Closure - Two Lane Road		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Four Lane Road		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Limited Access		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Double Lane Closure - Limited Access		<input type="checkbox"/>	<input type="checkbox"/>

DESIGNER-DEVELOPED TTC PLANS		Included In:	
		TMP	Plan Set
Work Beyond Shoulder		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Detour Plan		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
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PUBLIC INFORMATION PLAN

These strategies will be used to provide information concerning the project to road users and the community

SELECTED STRATEGIES

- RIDOT travel advisories news releases
- RIDOT travel advisories web site
- RIDOT 511 traveler information system

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

- RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
- RIDOT TMP Imp. Mngr. to send RIDOT notification form to Communications min. 48 hrs. in advance of restrictions.
- RIDOT TMP Imp. Mngr. to send RIDOT notification form to RIDOT TMC min. 48 hrs. in advance of restrictions.

TRANSPORTATION OPERATIONS PLAN

These strategies will be used to provide improved transportation operations/safety within project work zones

SELECTED STRATEGIES

RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's TMP Implementation Manager (If Identified below) is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accommodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The RIDOT TMP Implementation Manager or his/her responsible designee should (1) inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features, and where applicable, the other transportation management strategies identified above and (2) document all work zone-related feedback and complaints that are received from the public.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Deputy Chief Engineer, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Deputy Chief Engineer, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

Other
Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work

DEPUTY CHIEF ENGINEER		
Signature: _____		
Frank Corrao III, P.E.		
Date: _____		
Revision #	Initials	Date

STATE TRAFFIC ENGINEER		
Signature _____		
Robert Rocchio, P.E.		
Date _____		
Revision #	Initials	Date

CHIEF ENGINEER		
Signature: _____		
Kazem Farhoumand, P.E.		
Date: _____		
Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

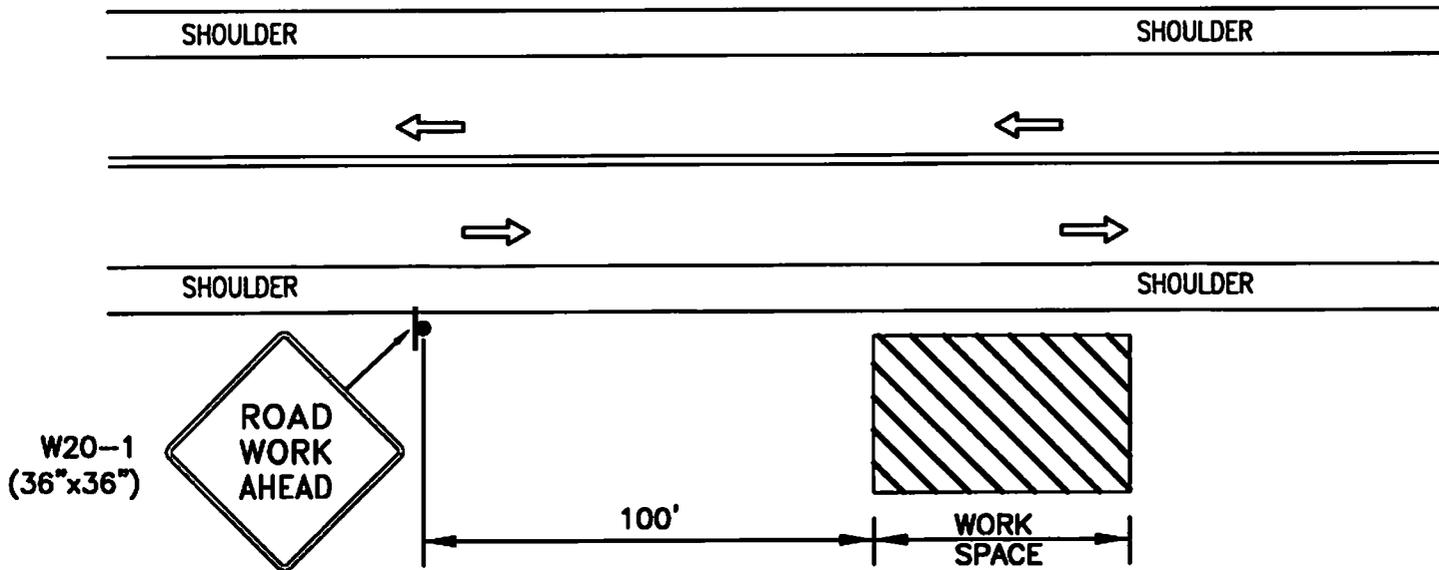
Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT
Name: _____
Title: _____
Unit: _____
Office Phone: _____
Mobile Phone: _____
E-Mail: _____

CONTRACTOR (if contract work)
Name: _____
Title: _____
Company/Unit: _____
Office Phone: _____
Mobile Phone: _____
E-Mail: _____

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. TEMPORARY CONSTRUCTION SIGNS SHALL BE PLACED SO THEY DO NOT ENCROACH ON OPEN LANES OF TRAFFIC.
4. CONSTRUCTION VEHICLES SHALL NOT ENCROACH UPON OPEN LANES OF TRAFFIC EXCEPT WHEN ENTERING AND EXITING THE WORK ZONE.
5. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.



**TYPICAL TRAFFIC CONTROL PLAN FOR
WORK BEYOND THE SHOULDER**

NOT TO SCALE

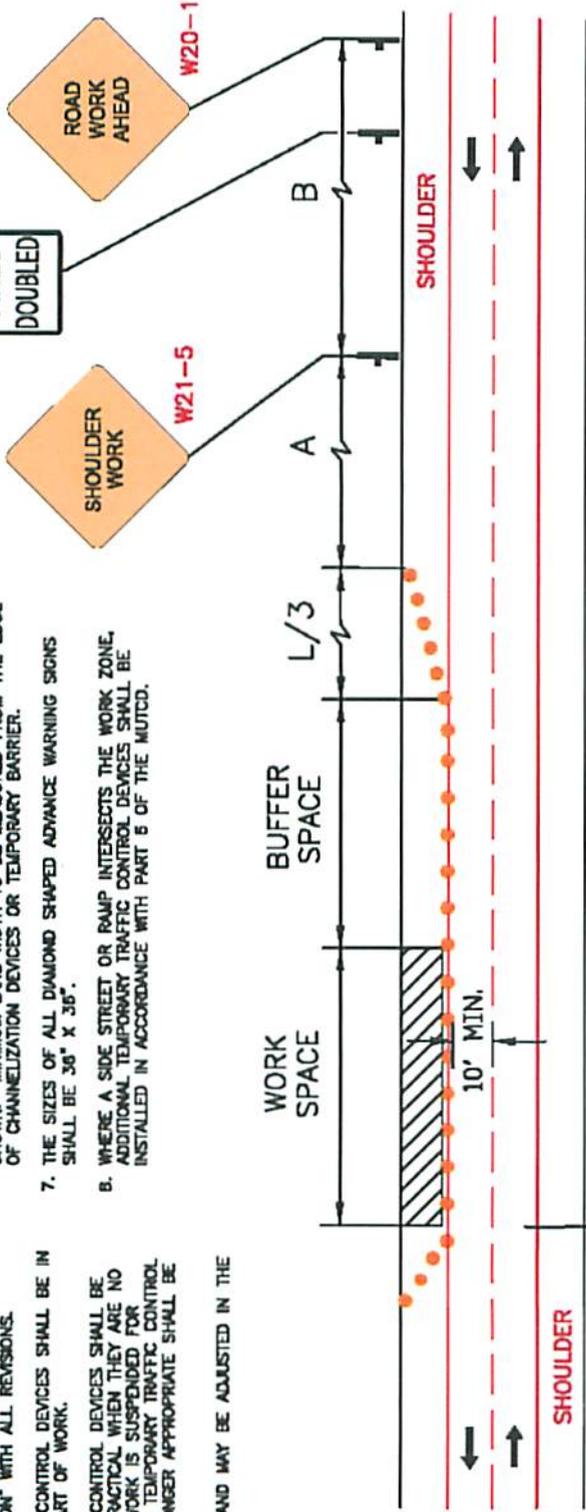
NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

5. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
6. MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.
7. THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36" X 36".
8. WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART 6 OF THE MUTCD.

WORK ZONE
TRAFFIC FINES DOUBLED

R.I. Std. 27.1.1
(SEE STD. FOR SIZES AND INSTALL LOCATION)



TAPER AND BUFFER LENGTHS

Speed Limit	Taper Length* (ft)	Buffer Space** (ft)
25 MPH	125	55
30 MPH	180	85
35 MPH	245	120
40 MPH	320	170
45 MPH	540	220
50 MPH	600	280

* Required
** Suggested

MINIMUM ADVANCE WARNING SIGN SPACING

Posted Speed Limit & Location	Distance Between Signs (FEET)		
	A	B	C
30 MPH OR LOWER in URBAN OR RURAL AREA	100	100	100
35 MPH OR HIGHER in URBAN AREA	350	350	350
35 MPH OR HIGHER in RURAL AREA	500	500	500



TYPICAL SHOULDER CLOSURE ON TWO-LANE ROADWAY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC CONTROL PLAN

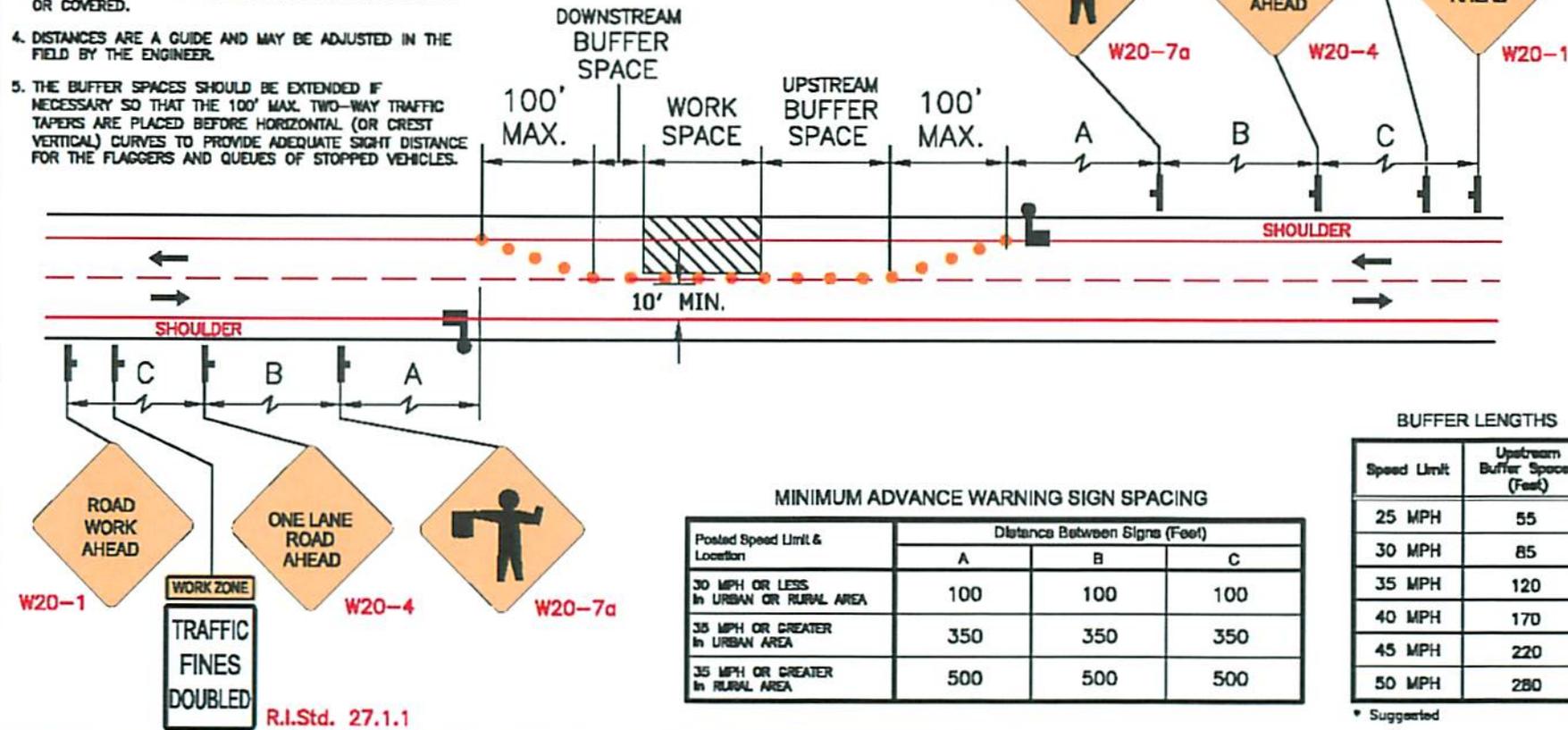
NOT TO SCALE

DATE: 12-23-08

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
5. THE BUFFER SPACES SHOULD BE EXTENDED IF NECESSARY SO THAT THE 100' MAX. TWO-WAY TRAFFIC TAPERS ARE PLACED BEFORE HORIZONTAL (OR CREST VERTICAL) CURVES TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND QUEUES OF STOPPED VEHICLES.
6. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN THE 100' MAX. TWO-WAY TRAFFIC TAPERS IS 25 FEET. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
7. MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.
8. THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36" X 36".
9. WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART 6 OF THE MUTCD.

WORK ZONE
TRAFFIC FINES DOUBLED
 R.I.Std. 27.1.1
 (SEE STD. FOR SIZES AND INSTALL LOCATION)



MINIMUM ADVANCE WARNING SIGN SPACING

Posted Speed Limit & Location	Distance Between Signs (Feet)		
	A	B	C
30 MPH OR LESS In URBAN OR RURAL AREA	100	100	100
35 MPH OR GREATER In URBAN AREA	350	350	350
35 MPH OR GREATER In RURAL AREA	500	500	500

BUFFER LENGTHS

Speed Limit	Upstream Buffer Space* (Feet)
25 MPH	55
30 MPH	85
35 MPH	120
40 MPH	170
45 MPH	220
50 MPH	280

* Suggested

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

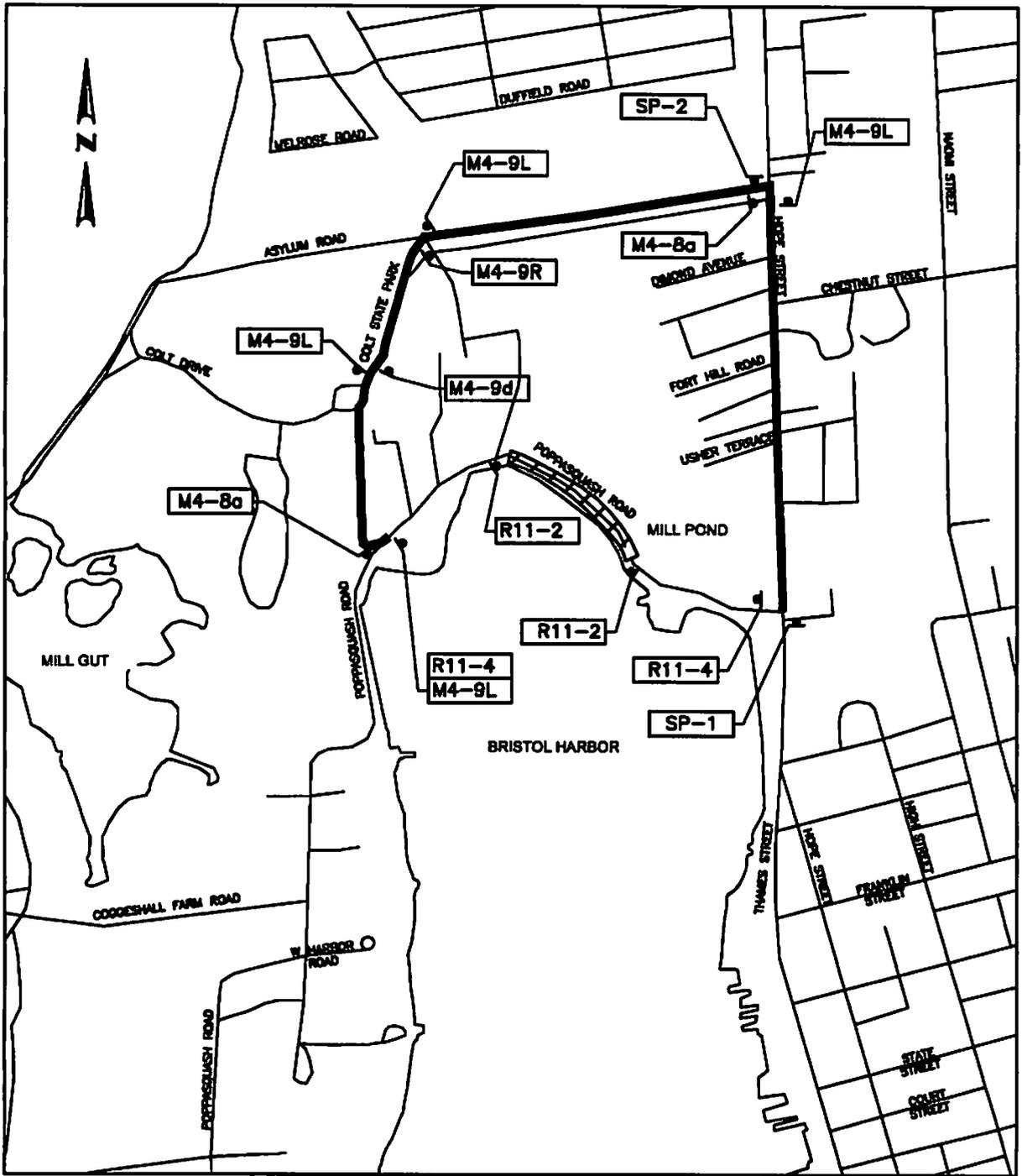
TEMPORARY
 TRAFFIC CONTROL PLAN



**TYPICAL LANE CLOSURE
 ON
 TWO-LANE ROADWAY**

NOT TO SCALE

DATE: 12-23-08



LEGEND

- ▲ SIGN
 - I PORTABLE CHANGEABLE MESSAGE SIGN (PCMS-A/B)
 - DIRECTION OF TRAVEL
 - DETOUR PATH
 - ▨ CLOSED ROADWAY
- | | | | |
|---|---|---|---|
|
Poppasquash Rd (30'x12')
DETOUR (30'x24')
M4-8d |
Poppasquash Rd (30'x12')
DETOUR (30'x24')
M4-9R |
Poppasquash Rd (30'x12')
DETOUR (30'x24')
M4-9L |
END DETOUR (24'x18')
M4-8a |
| | | |
ROAD CLOSED (48'x30')
R11-2 |
| | |
ROAD CLOSED THIS DATE
R11-4 |
POPPASQUASH RD CLOSED USE ASYLUM RD
DETOUR (30'x12')
SP-1 |
| | |
POPPASQUASH RD CLOSED USE ASYLUM RD
DETOUR (30'x12')
SP-2 | |

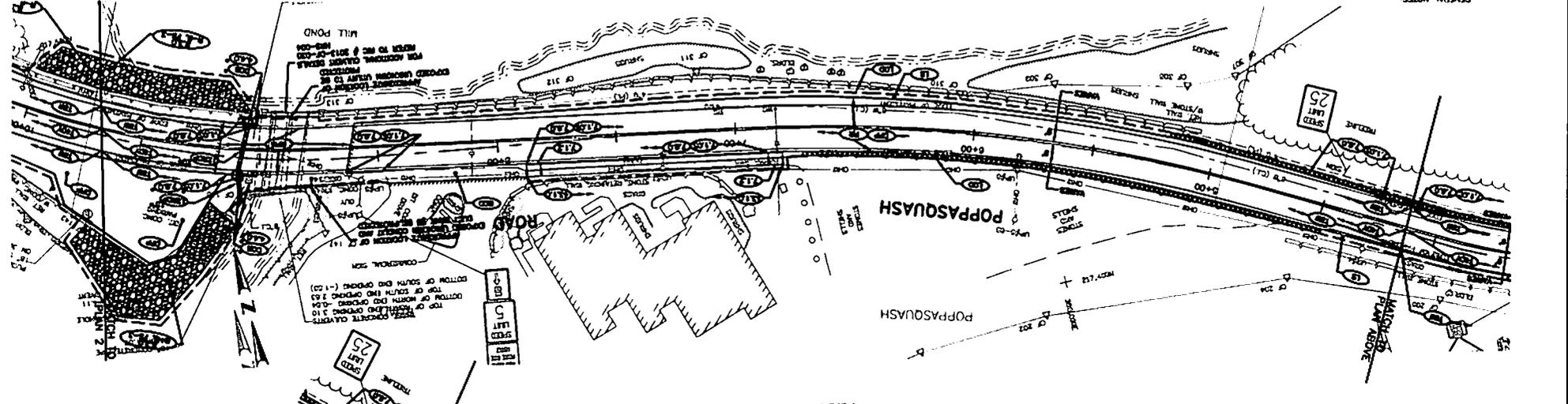
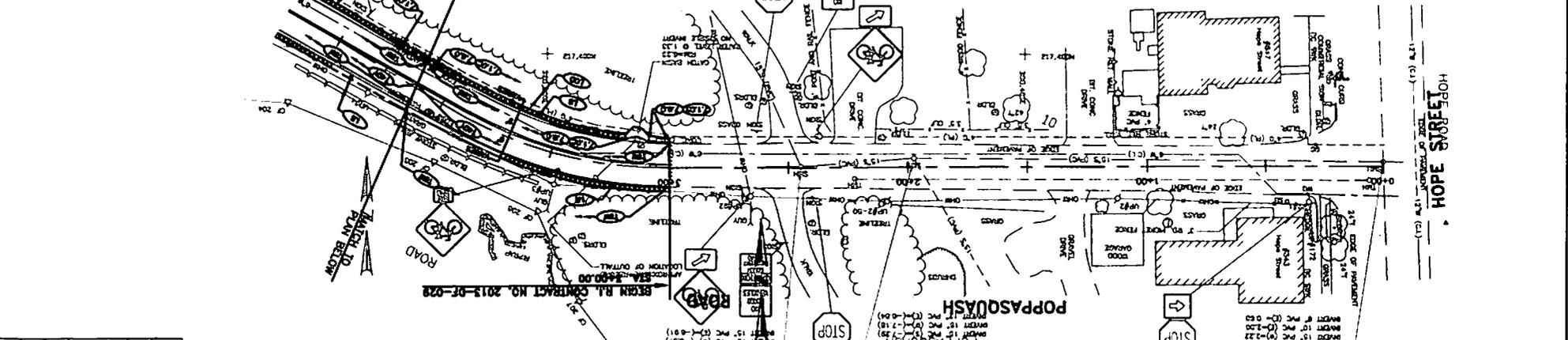
DETOUR PLAN
FOR CLOSURE OF POPPASQUASH ROAD
BRISTOL, RI
 NOT TO SCALE

NOTE:
 FINAL LOCATION OF SIGNS SHALL BE
 DETERMINED IN THE FIELD BY THE ENGINEER.

REV	DATE	BY	DESCRIPTION
1	ALL		

EXISTING	NEW	DESCRIPTION	SYMBOL	REVISIONS	DATE	BY
EDGE OF PAVEMENT	11.0	UNDERDRAIN	14.2	ADJUST CATCH BASIN TO GRADE	08	
SEW	13.0	CONCRETE CONNECTING COLLAR	15.0	ADJUST CATCH BASIN TO MANHOLE	08B	
CLUB	21.0	CONCRETE HEADWALLS FOR PIPE CULVERTS	15.1	ADJUST CLUB STOP TO GRADE	08C	
CURB/RAIL	21.1	STANDARD HEADWALLS FOR MULTIPLE 3'-4" TO 7'-0" PIPE CULVERTS	15.1B	ADJUST CURB STOP TO GRADE	08D	
MANHOLE	23.0 (DIA.)	PRECAST CONCRETE FLARED END SECTION	15.2	ADJUST GRANITE MANHOLE TO GRADE	08E	
UTILITY POLE	23.1 (DIA.)	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE	15.3	ADJUST ELECTRIC MANHOLE TO GRADE	08F	
POLE DUTY	23.1 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE	15.4	ADJUST FRAME AND COVER TO GRADE	08G	
WIRELINE	23.2	BRICK/SOLID BLOCK TYPE "Y" SQUARE CATCH BASIN	15.5	ADJUST FRAME AND GRATE TO GRADE	08H	
SOIL	23.3	BRICK/SOLID BLOCK TYPE "Y" SQUARE CATCH BASIN	15.6	ADJUST GRS GATE BOX TO GRADE	08I	
STORMMAN	23.4	SOLID BLOCK FLUSH SQUARE CATCH BASIN	15.7	ADJUST MANHOLE TO GRADE	08J	
STORMSEWER	23.5	SOLID BLOCK FLUSH SQUARE CATCH BASIN	15.8	ADJUST SANITARY SEWER MANHOLE TO GRADE	08K	
SANITARY SEWER	23.6	BRICK/SOLID BLOCK ROUND CATCH BASIN	15.9	ADJUST WATER GATE BOX TO GRADE	08L	
WATER MAIN	23.7	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET	16.0	ADJUST WATER GATE BOX TO GRADE	08M	
GRS MAIN	23.8	BRICK/SOLID BLOCK TYPE "Y" SQUARE CATCH BASIN	16.1	ADJUST WATER GATE BOX TO GRADE	08N	
TELEPHONE DUCT	23.9	BRICK/SOLID BLOCK TYPE "Y" SQUARE CATCH BASIN	16.2	ADJUST WATER GATE BOX TO GRADE	08O	
ELECTRIC DUCT	24.0 (DIA.)	SOLID BLOCK FLUSH ROUND CATCH BASIN	16.3	ADJUST WATER GATE BOX TO GRADE	08P	
PLUG AND CAP PIPE	24.1	BRICK/SOLID BLOCK 3'-0" OR 6'-0" ROUND CATCH BASIN	16.4	ADJUST WATER GATE BOX TO GRADE	08Q	
ADJUNCTION UTILITY	24.2	SOLID BLOCK SHIELDER TYPE "Y" SQUARE CATCH BASIN	16.5	ADJUST WATER GATE BOX TO GRADE	08R	
FLARED END SECTION	24.3	SOLID BLOCK SHIELDER TYPE "Y" SQUARE CATCH BASIN	16.6	ADJUST WATER GATE BOX TO GRADE	08S	
HEADWALL	24.4	BRICK/SOLID BLOCK DROP INLET	16.7	ADJUST WATER GATE BOX TO GRADE	08T	
WATER OR GRS GATE	24.5 (DIA.)	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"	16.8	ADJUST WATER GATE BOX TO GRADE	08U	
CATCH BASIN	24.6	PRECAST 4'-0" ROUND MANHOLE	16.9	ADJUST WATER GATE BOX TO GRADE	08V	
MANHOLE	24.7	PRECAST 5'-0" ROUND MANHOLE	17.0	ADJUST WATER GATE BOX TO GRADE	08W	
HYDRANT	24.8	PRECAST 6'-0" ROUND MANHOLE	17.1	ADJUST WATER GATE BOX TO GRADE	08X	
INCULCATE OR CENTERLINE	24.9 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN	17.2	ADJUST WATER GATE BOX TO GRADE	08Y	
STATE HIGHWAY LINE	25.0 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN	17.3	ADJUST WATER GATE BOX TO GRADE	08Z	
STATE FREIGHT LINE	25.1	PRECAST CONCRETE DROP INLET	17.4	ADJUST WATER GATE BOX TO GRADE	09A	
PERMANENT EASEMENT LINE	25.2	PRECAST CONCRETE DROP INLET LATERAL OUTLET	17.5	ADJUST WATER GATE BOX TO GRADE	09B	
TEMPORARY EASEMENT LINE	25.3	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET	17.6	ADJUST WATER GATE BOX TO GRADE	09C	
PROPERTY LINE	25.4	CATCH BASIN AND MANHOLE STOP	17.7	ADJUST WATER GATE BOX TO GRADE	09D	
CITY OR TOWN LINE	25.5	CONCRETE COLLARS	17.8	ADJUST WATER GATE BOX TO GRADE	09E	
PAVED WATERWAY	25.6	LIGHT-DUTY SQUARE FRAME AND ROUND COVER	17.9	ADJUST WATER GATE BOX TO GRADE	09F	
CENTERLINE	25.7	HEAVY-DUTY SQUARE FRAME AND ROUND COVER	18.0	ADJUST WATER GATE BOX TO GRADE	09G	
OPEN DITCH	25.8	LIGHT-DUTY ROUND FRAME AND COVER	18.1	ADJUST WATER GATE BOX TO GRADE	09H	
ALL HEIGHT BOUND	25.9	HEAVY-DUTY ROUND FRAME AND COVER	18.2	ADJUST WATER GATE BOX TO GRADE	09I	
STONE BOUND	26.0	SQUARE FRAME AND GRATE	18.3	ADJUST WATER GATE BOX TO GRADE	09J	
RETAINING WALL	26.1	SQUARE FRAME AND GRATE (BICYCLE SAFE)	18.4	ADJUST WATER GATE BOX TO GRADE	09K	
FIELD STONE WALL	26.2	HIGH CAPACITY FRAME AND GRATE	18.5	ADJUST WATER GATE BOX TO GRADE	09L	
BORDERS	26.3	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)	18.6	ADJUST WATER GATE BOX TO GRADE	09M	
FENCE	26.4	ROUND FRAME AND GRATE	18.7	ADJUST WATER GATE BOX TO GRADE	09N	
WOOD OR BRUSH LINE	26.5	PRECAST CONCRETE CLUB (STRAIGHT)	18.8	ADJUST WATER GATE BOX TO GRADE	09O	
TREES	26.6	PRECAST CONCRETE CLUB (CIRCULAR)	18.9	ADJUST WATER GATE BOX TO GRADE	09P	
ROVER OR STREAM	26.7	3'-0" PRECAST CONCRETE TRANSITION CURB	19.0	ADJUST WATER GATE BOX TO GRADE	09Q	
WETLAND AREA	26.8	6'-0" PRECAST CONCRETE TRANSITION CURB	19.1	ADJUST WATER GATE BOX TO GRADE	09R	
BUILDING	26.9	PRECAST 2'-0" RADIUS CORNER	19.2	ADJUST WATER GATE BOX TO GRADE	09S	
FOUNDATION	27.0	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)	19.3	ADJUST WATER GATE BOX TO GRADE	09T	
BUILDING TO BE REMOVED	27.1	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)	19.4	ADJUST WATER GATE BOX TO GRADE	09U	
RAILROAD TRACKS	27.2	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)	19.5	ADJUST WATER GATE BOX TO GRADE	09V	
CUT AND MATCH	27.3	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)	19.6	ADJUST WATER GATE BOX TO GRADE	09W	
RP-RAMP	27.4	PRECAST CONCRETE SLOPED FACE CLUB (STRAIGHT)	19.7	ADJUST WATER GATE BOX TO GRADE	09X	
CUT SLOPE	27.5	PRECAST CONCRETE SLOPED FACE CLUB (CIRCULAR)	19.8	ADJUST WATER GATE BOX TO GRADE	09Y	
FILL SLOPE	27.6	PRECAST CONCRETE SLOPED FACE TRANSITION CURB	19.9	ADJUST WATER GATE BOX TO GRADE	09Z	
ROCK CUT	27.7	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SPLURRED FACE)	20.0	ADJUST WATER GATE BOX TO GRADE	10A	
SPOT GRADE	27.8	CONCRETE CLUB (STRAIGHT)	20.1	ADJUST WATER GATE BOX TO GRADE	10B	
AREA GRATED TO DRAIN	27.9	CONCRETE CLUB (CIRCULAR)	20.2	ADJUST WATER GATE BOX TO GRADE	10C	
BUILT UP IN STD 8 I.D.	28.0	3'-0" GRANITE TRANSITION CURB	20.3	ADJUST WATER GATE BOX TO GRADE	10D	
BUILT UP IN STD 8.5 I.D.	28.1	6'-0" GRANITE TRANSITION CURB	20.4	ADJUST WATER GATE BOX TO GRADE	10E	
EDGE OF WETLAND	28.2	GRANITE WHEELFLOW RAMP TRANSITION CURB	20.5	ADJUST WATER GATE BOX TO GRADE	10F	
WETLAND PERMITTER	28.3	GRANITE 3'-0" RADIUS CORNER	20.6	ADJUST WATER GATE BOX TO GRADE	10G	
AREA SUBJECT TO STORM FLOOD	28.4	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)	20.7	ADJUST WATER GATE BOX TO GRADE	10H	
100-YEAR FLOOD PLAIN	28.5	GRANITE INLET STONE (FOR ROUND CATCH BASIN)	20.8	ADJUST WATER GATE BOX TO GRADE	10I	
LIMIT OF DISTURBANCE	28.6	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)	20.9	ADJUST WATER GATE BOX TO GRADE	10J	
LIMIT OF CLEARING	28.7	GRANITE APRON STONE (FOR ROUND CATCH BASIN)	21.0	ADJUST WATER GATE BOX TO GRADE	10K	
	28.8	GRANITE SLOPED FACE CLUB	21.1	ADJUST WATER GATE BOX TO GRADE	10L	
	28.9	GRANITE SLOPED FACE TRANSITION CURB	21.2	ADJUST WATER GATE BOX TO GRADE	10M	
	29.0	GRANITE SLOPED FACE TRANSITION CURB	21.3	ADJUST WATER GATE BOX TO GRADE	10N	
	29.1	GRANITE SLOPED FACE TRANSITION CURB	21.4	ADJUST WATER GATE BOX TO GRADE	10O	
	29.2	GRANITE SLOPED FACE TRANSITION CURB	21.5	ADJUST WATER GATE BOX TO GRADE	10P	
	29.3	GRANITE SLOPED FACE TRANSITION CURB	21.6	ADJUST WATER GATE BOX TO GRADE	10Q	
	29.4	GRANITE SLOPED FACE TRANSITION CURB	21.7	ADJUST WATER GATE BOX TO GRADE	10R	
	29.5	GRANITE SLOPED FACE TRANSITION CURB	21.8	ADJUST WATER GATE BOX TO GRADE	10S	
	29.6	GRANITE SLOPED FACE TRANSITION CURB	21.9	ADJUST WATER GATE BOX TO GRADE	10T	
	29.7	GRANITE SLOPED FACE TRANSITION CURB	22.0	ADJUST WATER GATE BOX TO GRADE	10U	
	29.8	GRANITE SLOPED FACE TRANSITION CURB	22.1	ADJUST WATER GATE BOX TO GRADE	10V	
	29.9	GRANITE SLOPED FACE TRANSITION CURB	22.2	ADJUST WATER GATE BOX TO GRADE	10W	
	30.0	GRANITE SLOPED FACE TRANSITION CURB	22.3	ADJUST WATER GATE BOX TO GRADE	10X	
	30.1	GRANITE SLOPED FACE TRANSITION CURB	22.4	ADJUST WATER GATE BOX TO GRADE	10Y	
	30.2	GRANITE SLOPED FACE TRANSITION CURB	22.5	ADJUST WATER GATE BOX TO GRADE	10Z	
	30.3	GRANITE SLOPED FACE TRANSITION CURB	22.6	ADJUST WATER GATE BOX TO GRADE	11A	
	30.4	GRANITE SLOPED FACE TRANSITION CURB	22.7	ADJUST WATER GATE BOX TO GRADE	11B	
	30.5	GRANITE SLOPED FACE TRANSITION CURB	22.8	ADJUST WATER GATE BOX TO GRADE	11C	
	30.6	GRANITE SLOPED FACE TRANSITION CURB	22.9	ADJUST WATER GATE BOX TO GRADE	11D	
	30.7	GRANITE SLOPED FACE TRANSITION CURB	23.0	ADJUST WATER GATE BOX TO GRADE	11E	
	30.8	GRANITE SLOPED FACE TRANSITION CURB	23.1	ADJUST WATER GATE BOX TO GRADE	11F	
	30.9	GRANITE SLOPED FACE TRANSITION CURB	23.2	ADJUST WATER GATE BOX TO GRADE	11G	
	31.0	GRANITE SLOPED FACE TRANSITION CURB	23.3	ADJUST WATER GATE BOX TO GRADE	11H	
	31.1	GRANITE SLOPED FACE TRANSITION CURB	23.4	ADJUST WATER GATE BOX TO GRADE	11I	
	31.2	GRANITE SLOPED FACE TRANSITION CURB	23.5	ADJUST WATER GATE BOX TO GRADE	11J	
	31.3	GRANITE SLOPED FACE TRANSITION CURB	23.6	ADJUST WATER GATE BOX TO GRADE	11K	
	31.4	GRANITE SLOPED FACE TRANSITION CURB	23.7	ADJUST WATER GATE BOX TO GRADE	11L	
	31.5	GRANITE SLOPED FACE TRANSITION CURB	23.8	ADJUST WATER GATE BOX TO GRADE	11M	
	31.6	GRANITE SLOPED FACE TRANSITION CURB	23.9	ADJUST WATER GATE BOX TO GRADE	11N	
	31.7	GRANITE SLOPED FACE TRANSITION CURB	24.0	ADJUST WATER GATE BOX TO GRADE	11O	
	31.8	GRANITE SLOPED FACE TRANSITION CURB	24.1	ADJUST WATER GATE BOX TO GRADE	11P	
	31.9	GRANITE SLOPED FACE TRANSITION CURB	24.2	ADJUST WATER GATE BOX TO GRADE	11Q	
	32.0	GRANITE SLOPED FACE TRANSITION CURB	24.3	ADJUST WATER GATE BOX TO GRADE	11R	
	32.1	GRANITE SLOPED FACE TRANSITION CURB	24.4	ADJUST WATER GATE BOX TO GRADE	11S	
	32.2	GRANITE SLOPED FACE TRANSITION CURB	24.5	ADJUST WATER GATE BOX TO GRADE	11T	
	32.3	GRANITE SLOPED FACE TRANSITION CURB	24.6	ADJUST WATER GATE BOX TO GRADE	11U	
	32.4	GRANITE SLOPED FACE TRANSITION CURB	24.7	ADJUST WATER GATE BOX TO GRADE	11V	
	32.5	GRANITE SLOPED FACE TRANSITION CURB	24.8	ADJUST WATER GATE BOX TO GRADE	11W	
	32.6	GRANITE SLOPED FACE TRANSITION CURB	24.9	ADJUST WATER GATE BOX TO GRADE	11X	
	32.7	GRANITE SLOPED FACE TRANSITION CURB	25.0	ADJUST WATER GATE BOX TO GRADE	11Y	
	32.8	GRANITE SLOPED FACE TRANSITION CURB	25.1	ADJUST WATER GATE BOX TO GRADE	11Z	
	32.9	GRANITE SLOPED FACE TRANSITION CURB	25.2	ADJUST WATER GATE BOX TO GRADE	12A	
	33.0	GRANITE SLOPED FACE TRANSITION CURB	25.3	ADJUST WATER GATE BOX TO GRADE	12B	
	33.1	GRANITE SLOPED FACE TRANSITION CURB	25.4	ADJUST WATER GATE BOX TO GRADE	12C	
	33.2	GRANITE SLOPED FACE TRANSITION CURB	25.5	ADJUST WATER GATE BOX TO GRADE	12D	
	33.3	GRANITE SLOPED FACE TRANSITION CURB	25.6	ADJUST WATER GATE BOX TO GRADE	12E	
	33.4	GRANITE SLOPED FACE TRANSITION CURB	25.7	ADJUST WATER GATE BOX TO GRADE	12F	
	33.5	GRANITE SLOPED FACE TRANSITION CURB	25.8	ADJUST WATER GATE BOX TO GRADE	12G	
	33.6	GRANITE SLOPED FACE TRANSITION CURB	25.9	ADJUST WATER GATE BOX TO GRADE	12H	
	33.7	GRANITE SLOPED FACE TRANSITION CURB	26.0	ADJUST WATER GATE BOX TO GRADE	12I	
	33.8	GRANITE SLOPED FACE TRANSITION CURB	26.1	ADJUST WATER GATE BOX TO GRADE	12J	
	33.9	GRANITE SLOPED FACE TRANSITION CURB	26.2	ADJUST WATER GATE BOX TO GRADE	12K	
	34.0	GRANITE SLOPED FACE TRANSITION CURB	26.3	ADJUST WATER GATE BOX TO GRADE	12L	
	34.1	GRANITE SLOPED FACE TRANSITION CURB	26.4	ADJUST WATER GATE BOX TO GRADE	12M	
	34.2	GRANITE SLOPED FACE TRANSITION CURB	26.5	ADJUST WATER GATE BOX TO GRADE	12N	
	34.3	GRANITE SLOPED FACE TRANSITION CURB	26.6	ADJUST WATER GATE BOX TO GRADE	12O	
	34.4	GRANITE SLOPED FACE TRANSITION CURB	26.7	ADJUST WATER GATE BOX TO GRADE	12P	
	34.5	GRANITE SLOPED FACE TRANSITION CURB	26.8	ADJUST WATER GATE BOX TO GRADE	12Q	
	34.6	GRANITE SLOPED FACE TRANSITION CURB	26.9	ADJUST WATER GATE BOX TO GRADE	12R	
	34.7	GRANITE SLOPED FACE TRANSITION CURB	27.0	ADJUST WATER GATE BOX TO GRADE	12S	
	34.8	GRANITE SLOPED FACE TRANSITION CURB	27.1	ADJUST WATER GATE BOX TO GRADE	12T	
	34.9	GRANITE SLOPED FACE TRANSITION CURB	27.2	ADJUST WATER GATE BOX TO GRADE	12U	
	35.0	GRANITE SLOPED FACE TRANSITION CURB	27.3	ADJUST WATER GATE BOX TO GRADE	12V	
	35.1	GRANITE SLOPED FACE TRANSITION CURB	27.4	ADJUST WATER GATE BOX TO GRADE	12W	
	35.2	GRANITE SLOPED FACE TRANSITION CURB	27.5	ADJUST WATER GATE BOX TO GRADE	12X	
	35.3	GRANITE SLOPED FACE TRANSITION CURB	27.6	ADJUST WATER GATE BOX TO GRADE	12Y	
	35.4	GRANITE SLOPED FACE TRANSITION CURB	27.7	ADJUST WATER GATE BOX TO GRADE	12Z	
	35.5	GRANITE SLOPED FACE TRANSITION CURB	27.8	ADJUST WATER GATE BOX TO GRADE	13A	
	35.6	GRANITE SLOPED FACE TRANSITION CURB	27.9	ADJUST WATER GATE BOX TO GRADE	13B	
	35.7	GRANITE SLOPED FACE TRANSITION CURB	28.0	ADJUST WATER GATE BOX TO GRADE	13C	
	35.8	GRANITE SLOPED FACE TRANSITION CURB	28.1	ADJUST WATER GATE BOX TO GRADE	13D	
	35.9	GRANITE SLOPED FACE TRANSITION CURB	28.2	ADJUST WATER GATE BOX TO GRADE	13E	
	36.0	GRANITE SLOPED FACE TRANSITION CURB	28.3	ADJUST WATER GATE BOX TO GRADE	13F	
	36.1	GRANITE SLOPED FACE TRANSITION CURB	28.4	ADJUST WATER GATE BOX TO GRADE	13G	
	36.2	GRANITE SLOPED FACE TRANSITION CURB	28.5	ADJUST WATER GATE BOX TO GRADE	13H	
	36.3	GRANITE SLOPED FACE TRANSITION CURB	28.6	ADJUST WATER GATE BOX TO GRADE	13I	
	36.4	GRANITE SLOPED FACE TRANSITION CURB	28.7	ADJUST WATER GATE BOX TO GRADE	13J	
	36.5	GRANITE SLOPED FACE TRANSITION CURB	28.8	ADJUST WATER GATE BOX TO GRADE	13K	
	36.6	GRANITE SLOPED FACE TRANSITION CURB	28.9	ADJUST WATER GATE BOX TO GRADE	13L	
	36.7	GRANITE SLOPED FACE TRANSITION CURB	29.0	ADJUST WATER GATE BOX TO GRADE	13M	
	36.8	GRANITE SLOPED FACE TRANSITION CURB	29.1	ADJUST WATER GATE BOX TO GRADE	13N	
	36.9	GRANITE SLOPED FACE TRANSITION CURB	29.2	ADJUST WATER GATE BOX TO GRADE	13O	
	37.0	GRANITE SLOPED FACE TRANSITION CURB	29.3	ADJUST WATER GATE BOX TO GRADE	13P	
	37.1	GRANITE SLOPED FACE TRANSITION CURB	29.4	ADJUST WATER GATE BOX TO GRADE	13Q	
	37.2	GRANITE SLOPED FACE TRANSITION CURB	29.5	ADJUST WATER GATE BOX TO GRADE	13R	
	37.3	GRANITE SLOPED FACE TRANSITION CURB	29.6	ADJUST WATER GATE BOX TO GRADE	13S	
	37.4	GRANITE SLOPED FACE TRANSITION CURB	29.7	ADJUST WATER GATE BOX TO GRADE	13T	
	37.5	GRANITE SLOPED FACE TRANSITION CUR				

NO.	DATE	BY
1	02/13/13	...
2	02/13/13	...
3	02/13/13	...
4	02/13/13	...
5	02/13/13	...
6	02/13/13	...
7	02/13/13	...
8	02/13/13	...
9	02/13/13	...
10	02/13/13	...
11	02/13/13	...
12	02/13/13	...
13	02/13/13	...



NOTE
 THE PROPOSED WORK MARKED WITH "X" SHALL BE DONE UNDER RC 2013-07-035 HRS-004

NO.	DATE	BY
1	02/13/13	...
2	02/13/13	...
3	02/13/13	...
4	02/13/13	...
5	02/13/13	...
6	02/13/13	...
7	02/13/13	...
8	02/13/13	...
9	02/13/13	...
10	02/13/13	...
11	02/13/13	...
12	02/13/13	...
13	02/13/13	...

GENERAL PLAN NO. 1

DEPARTMENT OF TRANSPORTATION
 RHODE ISLAND
 HURRICANE SANDY REPAIRS TO
 POPPASQUASH ROAD
 BRISTOL, RHODE ISLAND

CHECKED BY: DATE: SCALE: 1" = 40'

000-011-GENERAL PLANS

- 1) THIS PLAN PRESENTS A PARTIAL REPRESENTATION OF THE WORK REQUIRED. REFER TO TYPICAL SECTIONS, DETAILS, NOTES AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 2) THE SYSTEM FOR THIS REPAIR WORK WAS DEVELOPED FROM THE AVAILABLE PLANS AND FIELD MEASUREMENTS. NO DISTURBED SURVEY WAS PERFORMED FOR THIS WORK. THEREFORE, THE LOCATION FOR IMPROVEMENT FEATURES AND UTILITIES SHALL BE CONSIDERED APPROXIMATE.
- 3) REFER TO HRS-004 AND HRS-005 FOR ADDITIONAL CULVERT AND SEWAGE REPAIRS.
- 4) THE CONTRACTOR SHALL ADJUST ALL UTILITY STRUCTURES TO GRADE.
- 5) THE CONTRACTOR SHALL CLEAN AND FLUSH ALL DRAINAGE PIPES AND STRUCTURES.
- 6) THE CONTRACTOR SHALL MAINTAIN EXISTING ROADWAY LOW POINT AND CROSS SLOPES.
- 7) THE CONTRACTOR SHALL INSTALL FLOATING TURBIDITY BARRIERS TO PREVENT SEDIMENT SPREADING INTO THE WATER. THE CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENTS IN THE VICINITY OF WATER.
- 8) ALL EXISTING TRAFFIC SIGNS WITHIN THE PROJECT LIMITS SHALL BE PROTECTED AND RELACED.
- 9) THE CONTRACTOR SHALL MAINTAIN EXISTING ROADWAY LOW POINT AND CROSS SLOPES.
- 10) THE CONTRACTOR SHALL MAINTAIN EXISTING ROADWAY LOW POINT AND CROSS SLOPES.
- 11) ALL EXISTING UTILITIES SHALL BE MAINTAINED AT ALL TIMES.
- 12) ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE TRANSPORTATION MANAGEMENT PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- 13) THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING OVERHEAD WIRES DURING CONSTRUCTION.

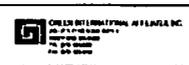
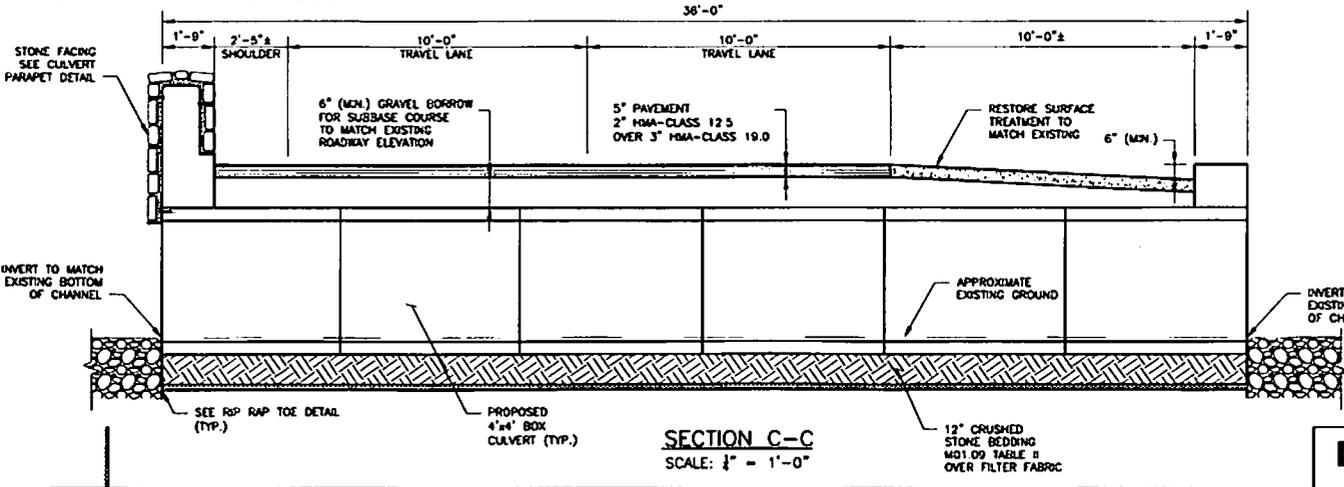
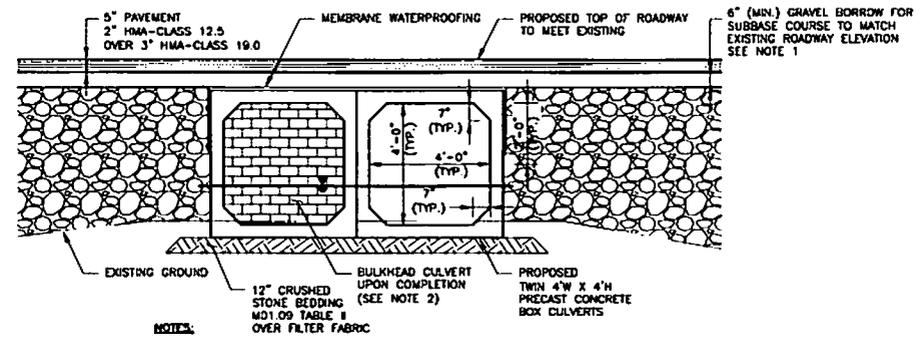
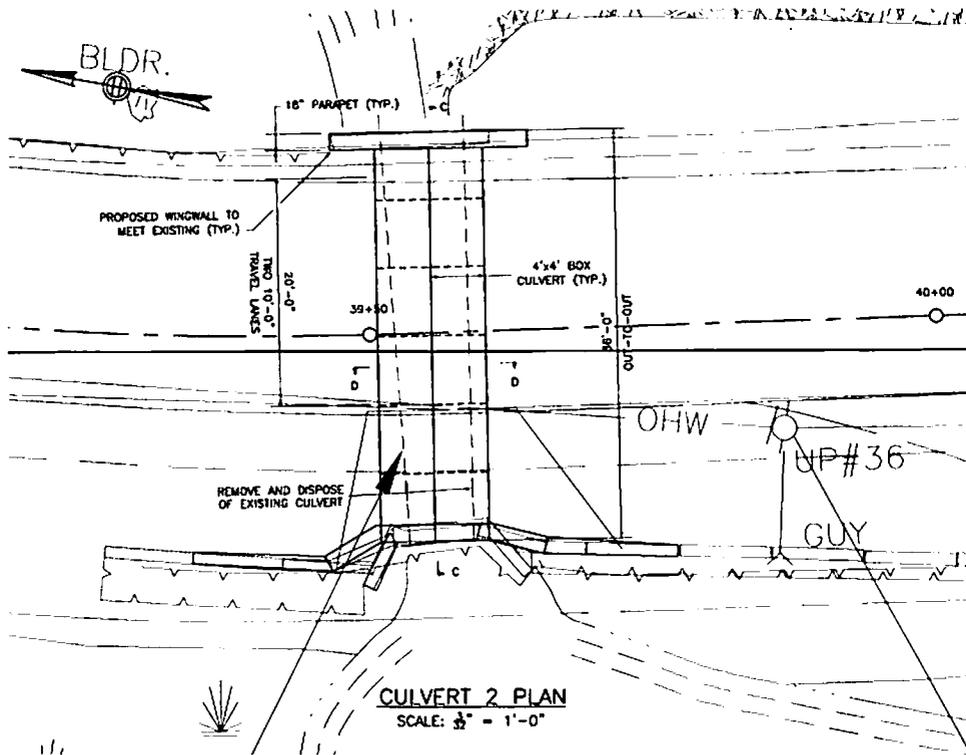
SCALE IN FEET

HORIZ. 1" = 40'

100 FEET

DEPT. OF TRANSPORTATION
 RHODE ISLAND
 HURRICANE SANDY REPAIRS TO
 POPPASQUASH ROAD
 BRISTOL, RHODE ISLAND

REV. NO.	DATE	PROJECT NO.	YEAR	NO.	SHEET#
1	R.I.		2013	12	13



REVISIONS		
NO.	DATE	BY

HRS-006

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

HURRICANE SANDY REPAIRS TO
POPPASQUASH ROAD

BRISTOL, RHODE ISLAND

CULVERT 2 PLAN AND SECTIONS

CHECKED BY _____ DATE _____ SCALE NO. SCALE

