
REQUEST FOR PROPOSALS

Item Description: DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS

(#32263)

Date to be opened: August 16, 2021

Issuing Department: DEPARTMENT OF PLANNING AND DEVELOPMENT

QUESTIONS

- Please direct questions relative to the bidding process, how to fill out forms, and how to submit a bid (Pages 1-8) to Purchasing Agent Patti Jordan.
 - Phone: (401) 680-5264; Email: pjordan@providenceri.gov
 - Please use the subject line “**RFP Question**”
- Please direct questions relative to the Minority and Women’s Business Enterprise Program and the corresponding forms to the MBE/WBE Outreach Director for the City of Providence, Grace Diaz
 - Phone: (401) 680-5766; Email: gdiaz@providenceri.gov
 - Please use subject line “**MBE WBE Forms**”
- Please direct questions relative to the specifications or contract documents in writing to Martina Haggerty, Director of Special Projects, Department of Planning & Development **and** cc: Francisco Lovera, P.E., McMahon Associates
 - Email: mhaggerty@providenceri.gov, cc: flovera@mcmahonassociates.com
 - Phone: (401) 680-8528 (Martina Haggerty), (401) 648-7200 x3018 (Francisco Lovera)
 - Please use subject line “Dean Street Bicycle & Pedestrian Improvements”

PRE BID MEETING

A **Mandatory Virtual Pre-Bid Conference** has been scheduled for **Monday, August 2, 2021 at 2:30 PM**. The Pre-Bid Conference will be held virtually at the following link:
<https://mcmahon.zoom.us/j/91895078240?pwd=R2pyTmpXWGJBZmR0OGh6VW9JVm0wZz09>.

INSTRUCTIONS FOR SUBMISSION

- Bids may be submitted up to **2:15 P.M.** on the above meeting date at the **Department of the City Clerk, Room 311, City Hall, 25 Dorrance Street, Providence**. At 2:15 P.M. all bids will be publicly opened and read at the Board of Contract Meeting in the City Council Chambers, on the 3rd floor of City Hall.
- Bidders must submit **one original and one copy** of their bid in sealed envelopes or packages labeled with the captioned **Item Description** and the **City Department to which the RFP and bid are related along with a USB drive containing a single PDF of all documents and forms associated with their bid**.
- Communications to the Board of Contract and Supply that are not competitive sealed bids (i.e. product information/samples) should have “**NOT A BID**” written on the envelope or wrapper.
- Only use form versions and templates included in this RFP. If you have an old version of a form do not recycle it for use in this bid.

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- The bid envelope and information relative to the bid must be addressed to:
 - **Board of Contract and Supply Department of the City Clerk – City Hall, Room 311
25 Dorrance Street Providence, RI 02903**
 - ****PLEASE NOTE:** This bid may include details regarding information that you will need to provide (such as proof of licenses) to the issuing department before the formalization of an award.
 - *This information is NOT requested to be provided in your initial bid by design.*
 - All bids submitted to the City Clerk become public record. Failure to follow instructions could result in information considered private being posted to the city’s Open Meetings Portal and made available as a public record. The City has made a conscious effort to avoid the posting of sensitive information on the City’s Open Meetings Portal, by requesting that such sensitive information be submitted to the issuing department only at their request.

BID PACKAGE CHECKLIST

Digital forms are available in the City of Providence Purchasing Department Office or online at <http://www.providenceri.gov/purchasing/how-to-submit-a-bid/>

The bid package **MUST** include the following, in this order:

- **Bid Form 1:** Bidder's Blank as the cover page/ 1st page (*see page 6 of this document*)
- **Bid Form 2:** Certification of Bidder as 2nd page (*see page 7 of this document*)
- **Bid Form 3:** Certificate Regarding Public Records (*see page 8 of this document*)
- **Forms from the Minority and Women Business Enterprise Program:** Based on Bidder Category. *See forms and instructions enclosed (pages 9-13) or on:*
<https://www.providenceri.gov/purchasing/minority-women-owned-business-mbewbe-procurement-program/>
 - *Please note: MBE/WBE forms must be completed for EVERY bid submitted and must be inclusive of ALL required signatures. Forms without all required signatures may be considered incomplete.*
- **Other Required Forms:** (*see Appendix G*)
 - Certificate as to Corporate Principal
 - Non-Collusion Affidavit of Prime Bidder
 - Non-Collusion Affidavit of Subcontractor
 - Certification of Non-Segregated Facilities
 - Bidder's Certification of Equal Employment Opportunity
 - Special Requirements for Out-of-State Contractors and Firms
 - Certification with Regard to Performance of Previous Contracts and Subcontracts
 - Affidavit of Non-Discrimination
 - Certification of Non-Discrimination in Equal Employment Opportunity
- **Bidder's Proposal/Packet:** Formal response to the requirements as outlined in the Bid Package Specification Section of this RFP, including pricing information and details related to the good(s) or service(s) being provided. Please be mindful of formatting responses as requested to ensure clarity.
- **Financial Assurance,** *if requested (as indicated on page 5 of this document under "Bid Terms")*

All of the above listed documents are REQUIRED. (With the exception of financial assurances, which are only required if specified on page 5.)

*****Failure to meet specified deadlines, follow specific submission instructions, or enclose all required documents with all applicable signatures will result in disqualification, or in an inability to appropriately evaluate bids.**

NOTICE TO VENDORS

1. The Board of Contract and Supply will make the award to the lowest qualified and responsible bidder.
2. In determining the lowest responsible bidder, cash discounts based on preferable payment terms will not be considered.
3. Where prices are the same, the Board of Contract and Supply reserves the right to award to one bidder, or to split the award.
4. No proposal will be accepted if the bid is made in collusion with any other bidder.
5. Bids may be submitted on an “equal in quality” basis. The City reserves the right to decide equality. Bidders must indicate brand or the make being offered and submit detailed specifications if other than brand requested.
6. A bidder who is an out-of-state corporation shall qualify or register to transact business in this State, in accordance with the Rhode Island Business Corporation Act, RIGL Sec. 7-1.2-1401, et seq.
7. The Board of Contract and Supply reserves the right to reject any and all bids.
8. Competing bids may be viewed in person at the Department of the City Clerk, City Hall, Providence, immediately upon the conclusion of the formal Board of Contract and Supply meeting during which the bids were unsealed/opened. Bids may also be accessed electronically on the internet via the City’s [Open Meetings Portal](#).
9. As the City of Providence is exempt from the payment of Federal Excise Taxes and Rhode Island Sales Tax, prices quoted are not to include these taxes.
10. In case of error in the extension of prices quoted, the unit price will govern.
11. The contractor will **NOT** be permitted to: a) assign or underlet the contract, or b) assign either legally or equitably any monies or any claim thereto without the previous written consent of the City Purchasing Director.
12. Delivery dates must be shown in the bid. If no delivery date is specified, it will be assumed that an immediate delivery from stock will be made.
13. A certificate of insurance will normally be required of a successful vendor.
14. For many contracts involving construction, alteration and/or repair work, State law provisions concerning payment of prevailing wage rates apply ([RIGL Sec. 37-13-1 et seq.](#))
15. No goods should be delivered or work started without a Purchase Order.
- 16. Submit 5 copies of the bid to the City Clerk, unless the specification section of this document indicates otherwise.**
17. Bidder must certify that it does not unlawfully discriminate on the basis of race, color, national origin, gender, gender identity or expression, sexual orientation and/or religion in its business and hiring practices and that all of its employees are lawfully employed under all applicable federal, state and local laws, rules and regulations. (See Bid Form 2.)

BID TERMS

1. Financial assurances may be required in order to be a successful bidder for Commodity or Construction and Service contracts. If either of the first two checkboxes below is checked, the specified assurance **must accompany** a bid, or the bid will not be considered by the Board of Contract and Supply. The third checkbox indicates the lowest responsible bidder will be contacted and required to post a bond to be awarded the contract.

a) A certified check for \$ _____ must be deposited with the City Clerk as a guarantee that the Contract will be signed and delivered by the bidder.

b) A bid bond in the amount of **5** per centum (%) of the proposed total price, must be deposited with the City Clerk as a guarantee that the contract will be signed and delivered by the bidder; and the amount of such bid bond shall be retained for the use of the City as liquidated damages in case of default.

c) A performance and payment bond with a satisfactory surety company will be posted by the bidder in a sum equal to one hundred per centum (100%) of the awarded contract.

d) No financial assurance is necessary for this item.

2. Awards will be made within **sixty (60) days of bid opening**. All bid prices will be considered firm, unless qualified otherwise. Requests for price increases will not be honored.

3. Failure to deliver within the time quoted or failure to meet specifications may result in default in accordance with the general specifications. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents and Acts of God.

The following entry applies only for COMMODITY BID TERMS:

4. Payment for partial delivery will not be allowed except when provided for in blanket or term contracts.

The following entries apply only for CONSTRUCTION AND SERVICE BID TERMS:

5. Only one shipping charge will be applied in the event of partial deliveries for blanket or term contracts.

6. Prior to commencing performance under the contract, the successful bidder shall attest to compliance with the provisions of the Rhode Island Worker's Compensation Act, RIGL 28-29-1, et seq. If exempt from compliance, the successful bidder shall submit a sworn Affidavit by a corporate officer to that effect, which shall accompany the signed contract.

7. Prior to commencing performance under the contract, the successful bidder shall, submit a certificate of insurance, in a form and in an amount satisfactory to the City.

WBE/MBE Form Instructions

The City of Providence actively seeks Minority and Women business enterprises to participate in bids to meet the City's procurement needs. Pursuant to the City of Providence Code of Ordinances, Chapter 21, Article II, Sec. 21-52 (Minority and Women's Business Enterprise) and Rhode Island General Laws (as amended), Chapter 31-14, et seq. (Minority Business Enterprise), Minority Business Enterprise (MBE) and Women's Business Enterprise (WBE) participation goals apply to contracts.

The goal for Minority Business Enterprise (MBE) participation is **10%** of the total bid value.

The goal for Women's Business Enterprise (WBE) participation is **10%** of the total bid value.

The goal for combined MBE/WBE participation is **20%** of the total bid value.

Only businesses certified with the State of Rhode Island as minority and/or women business enterprises are counted towards the City's goals. Eligible minority or women-owned businesses are encouraged to seek certification from the State of Rhode Island Minority Business Enterprise Compliance Office at: <http://odeo.ri.gov/offices/mbeco/>

Note: MBE certification with the State of Rhode Island on the basis of Portuguese heritage is not currently recognized by the City of Providence's MBE program.

Bid Requirements:

All Bidders: All bidders must complete and submit the *MBE/WBE Participation Affidavit* indicating whether or not they are a state-certified MBE/WBE and acknowledging the City's participation goals. Submission of this form is required with **every bid**. Your bid will not be accepted without an affidavit.

Bidders who will be subcontracting: Bidders who will be subcontracting must submit the *Subcontractor Disclosure Form* as part of their bid submission. All subcontractors, regardless of MBE/WBE status, must be listed on this form. Business NAICS codes can be found at <https://www.naics.com/search/>. Awarded bidders are required to submit *Subcontractor Utilization and Payment Reports* with each invoice.

Waiver Requests:

If the percentage of the total amount of the bid being awarded to MBE or WBE vendors is less than 20% (Box F on the Subcontractor Disclosure Form) and the prime contractor is not a Rhode Island State-certified MBE or WBE, the Bidder must complete the *MBE/WBE Waiver Request Form* for review. Waivers will be considered on a case by case basis.

No waiver will be granted unless the waiver request includes documentation that demonstrates that the Bidder has made good faith efforts to achieve the City's stated participation goals. Waivers must be reviewed and signed by the City of Providence's MBE/WBE Outreach Director, Grace Diaz, or their designee. Department Directors cannot recommend a bidder for award if this form is applicable and absent. If the bid does not meet the participation goals of the City of Providence and a waiver is not filed with the signature of the MBE/WBE Outreach Director or their designee, the bid will not be accepted.

Verifying MBE/WBE Certification

It is the responsibility of the bidder to confirm that every MBE/WBE named in a proposal and included in a contract is certified by the Rhode Island Minority Business Enterprise Compliance office. The current MBE/WBE directory is available at the State of RI MBE Office, One Capitol Hill, 2nd Floor, Providence, RI, or online at <http://odeo.ri.gov/offices/mbeco/mbe-wbe.php>. You can also call (401) 574-8670 to verify certification, expiration dates, and services that the MBE/WBE is certified to provide. Note: MBE

certification with the State of Rhode Island on the basis of Portuguese heritage is not currently recognized by the City of Providence's MBE program.

Form Instructions:

Access all bid forms from <http://www.providenceri.gov/oeo/> or <http://www.providenceri.gov/purchasing/minority-women-owned-business-mbewbe-procurement-program/>. **Download** the forms as blank PDFs. Once saved on your computer, fill them out using the Adobe program. The fillable PDFs must be completed in Adobe in order to be saved properly. Google Chrome and similar platforms do not allow for the forms to be saved as filled PDFs. Therefore, please download the blank forms to your computer, then fill them out and save.

Assistance with Form Requirements

Examples of completed forms can be found on the City of Providence website at <http://www.providenceri.gov/oeo/> or <http://www.providenceri.gov/purchasing/minority-women-owned-business-mbewbe-procurement-program/>.

Contract Requirements:

Prime contractors engaging subcontractors must submit the *Subcontractor Utilization and Payment Report* to the City Department's Fiscal Agent with every invoice and with request for final payment. This form is not submitted as a part of the initial bid package.

For contracts with duration of less than 3 months, this form must be submitted along with the contractor's request for final payment. The form must include all subcontractors utilized on the contract, both MBE/WBE and non- MBE/WBE, the total amount paid to each subcontractor for the given period and to date. During the term of the contract, any unjustified failure to comply with the MBE/WBE participation requirements is a material breach of contract.

Questions?

For more information or for assistance with MBE/WBE Forms, contact the City of Providence MBE/WBE Outreach Director, Grace Diaz, at mbe-wbe@providenceri.com or (401) 680-5766.

BID PACKAGE SPECIFICATIONS

Introduction

The City of Providence seeks a qualified contractor to provide construction services associated with the Dean Street Bicycle & Pedestrian Improvements on Pleasant Valley Parkway from Smith Street to Promenade Street as outlined in the attached Contract Documents.

CITY OF

CONTRACT DOCUMENTS
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS
PROVIDENCE, RHODE ISLAND

HONORABLE Jorge O. Elorza
Mayor, City of Providence



PREPARED BY:

DEPARTMENT of PLANNING AND DEVELOPMENT
444 Westminster Street
Providence, Rhode Island 02903
(401) 680-8400

Bonnie Nickerson, Director

R.I. CONTRACT NO. 2018-EC-001

JULY 2021

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2. Purchasing Department Documents and MBE/WBE Participation Forms
3. Bid Bond
4. Certificate as to Corporate Principal
5. Non-Collusion Affidavit of Prime Bidder
6. Non-Collusion Affidavit of Subcontractor
7. Certification of Non-Segregated Facilities
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INVITATION FOR BIDS
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS

PROVIDENCE, RHODE ISLAND

R.I. Contract No. 2018-EC-001 is for Dean Street Bicycle & Pedestrian Improvements on Pleasant Valley Parkway (Smith Street – Promenade Street), herein called “Dean Street Bicycle & Pedestrian Improvements” in these documents. The work to be performed under this Contract includes, but is not limited to, all labor, material and equipment necessary to construct sidewalk and roadway improvements on Pleasant Valley Parkway between Smith Street and Promenade Street, in the City of Providence, RI. Included in the work is the installation of new asphalt bikeway, concrete sidewalk, curb ramps, and detectable warning systems;; removal and disposal of existing signs and installation of new signs; installation of pavement markings; traffic signal modifications; and all other incidentals necessary to execute the work complete in place and accepted within the limits of this contract to the satisfaction of the City.

The Owner is defined as the Providence Public Buildings Authority (PPBA), the City of Providence (City), and the City of Providence Department of Planning and Development (DPD).

All the above shall be performed in strict accordance with the Contract Documents and is to be completed in full by Wednesday, June 1, 2022.

Copies of the Bidding/Contract Documents will be available for inspection at the office of the Purchasing Agent, Providence City Hall, 3rd Floor, Providence, Rhode Island 02903, on **Monday, July 19, 2021**. Bid documents will also be available for download from **<https://www.providenceri.gov/purchasing/openrfpsummary/>**. There will be no charge or fee for obtaining each set of bidding documents.

All questions or comments concerning the bidding of this project must be submitted in writing as prescribed in Section 2 of the Instructions to Bidders by **Tuesday, August 10, 2021 at 12:00 P.M.** Bidders are responsible to monitor the website for addendum. An addendum acknowledgment page is included in the Required Bidding Documents.

A satisfactory bid bond executed by the Bidder and an acceptable surety in an amount equal to five (5%) percent of the total amount of the bid shall accompany each proposal. The proposal guaranty will be furnished by surety companies licensed to do business in the State of Rhode Island. The City of Providence reserves the right to retain the surety of all bidders until the successful bidder enters into the Contract or until such time as the award or cancellation of the Contract is announced at which point Sureties will be returned to all bidders by the City of Providence.

A Performance Bond in an amount of One Hundred (100%) percent of the contract price and a Labor and Material Payment Bond in the amount of One Hundred (100%) percent of the Contract Price with a satisfactory surety company will be required of the successful bidder. All surety companies must be listed with the Department of the Treasury, Fiscal Services, Circular 570 (Latest Revision published by the Federal Register). All bonds shall be in accordance with RIGL 37-13-14.

The Bidders' attention is called to the fact that minimum salaries and wages, as set forth in the Bidding/Contract Documents, must be paid on this project. Paid wages shall be at rates not less than those prevailing on the same type of work on similar construction in the immediate locality as determined by the United States Secretary of Labor, in accordance with the Act of August 30, 1935, known as the Davis-Bacon Act, under Decision Nos. 1 through 6 as applicable. Prevailing wage rates and Davis-Bacon Wage Determination Reference Materials are available online at <https://beta.sam.gov/>.

The Bidders' attention is called to the fact that the Contractor must ensure that employees and applicants for employment are not discriminated against because of their race, color, place of national origin, religion, sexual preference, or gender.

The Owner will not consider bids from prime bidders who do not prove at least 5 years construction experience (within the last 7 years) on Roadway Improvement Projects. Roadway Improvement Projects shall be defined as existing, active roadways within an existing city, state or federally owned right-of-way. Instructions on documenting this experience are included in the "Statement of Bidders Qualifications" bid form in the Contract Documents.

Bids may be held by the Owner for a period not to exceed ninety (90) days from the date of opening of bids, for the purpose of reviewing the bids and investigating the qualifications of bidders, all prior to award of the Contract. The Department of Public Works reserves the right to reject any or all bids either in part or in full. All bidders shall be available for a Pre-Bid Award Descope Meeting as may be required by the Owner. The Owner reserves the right to descope one or more bidders. Additionally, the meeting minutes of the Descope Meeting shall be enumerated as part of the signed contract agreement. The intent is NOT to renegotiate cost in any manner but to obtain clarifications and details of representations made by the Bidder to assure an understanding of the bid prior to final award.

After a thorough review, and descope as required, of bids, the Owner anticipate submitting their recommendation for award of contract to the lowest responsible bidder to the Board of Contract and Supply for its regular meeting of **Monday, September 13, 2021**. The Board of Contract and Supply may take up to sixty (60) days to formally award.

If there are any questions, please contact the appropriate person listed below:

- Please direct questions relative to the bidding process, how to fill out forms, and how to submit a bid to Purchasing Agent Patti Jordan.
 - Phone: (401) 680-5264
 - Email: pjordan@providenceri.gov (Please use the subject line “RFP Question”)
- Please direct questions relative to the Minority and Women’s Business Enterprise Program and the corresponding forms (Pages 9-13) to the MBE/WBE Outreach Director for the City of Providence, Grace Diaz
 - Phone: (401) 680-5766
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- Please direct questions relative to the contract documents in writing to Martina Haggerty, Director of Special Projects, Department of Planning & Development and cc: Nicole Fox, P.E., Fuss & O’Neill
 - Email: mhaggerty@providenceri.gov, cc: nfox@fando.com
 - Phone: (401) 680-8528 (Martina Haggerty), (603) 668-8223 x2121 (Nicole Fox)

Bonnie Nickerson
Director

Jorge O. Elorza
Mayor

INSTRUCTION TO BIDDERS

Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

1. USE OF SEPARATE BID FORMS

The Contract Documents include a complete set of Bidding Documents such as, but not limited to Front End Documents, Specifications, Drawings, Addendum and Contract forms which are compiled for the convenience of Bidders and are not to be detached from the Contract Documents, filled out, or executed. Separate copies of the Bid Forms are furnished for this purpose and can be found in this document.

2. INTERPRETATIONS OR ADDENDA

No oral interpretation will be made to any Bidder as to the meaning of the Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to the Owner. Any inquiry received seven or more days prior to the date fixed for opening of Bids will be given consideration. Every interpretation made to a bidder will be in the form of an Addendum to the Contract Documents when issued and will be on file with the City of Providence Purchasing Department. In addition, all Addenda will be mailed to each person holding Contract Documents, but it shall be the Bidder's responsibility to make inquiry as to the Addenda issued. All such addenda shall become part of the Contract and all Bidders shall be bound by such Addenda, whether or not received by the Bidder.

3. INSPECTION OF SITE

- A. Each Bidder should visit the site in person and not rely on digital street and overhead views provided by mediums such as, but not limited to, Google and Bing to review areas of the proposed work and fully acquaint himself with the existing conditions there, relating to construction and labor, and should fully inform himself as to the facilities involved, the difficulties and restrictions attending the performance of the Contract. The Bidder should thoroughly examine and familiarize himself with the Drawings, Technical Specifications and all other Contract Documents and supporting information. The Contractor, by the execution of the Contract, shall in no way be relieved of any obligation under it due to their failure to receive or examine any form or legal instrument or to visit the site and acquaint himself with the conditions there existing, and the Owner will be justified in rejecting any claim based on facts regarding which, he should have been on notice as a result thereof.
- B. At the time of the opening of Bids, each Bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Contract Documents (including all addenda). The failure or omission of any Bidder to examine any form, instrument or document or to inspect the site, shall in no way relieve any Bidder from any obligation in respect to their Bid.

4. ALTERNATIVE BIDS

No add alternative bids are included in this contract.

5. BIDS

- A. All Bids must be submitted on forms supplied by the Owner and shall include all of the requirements of the Contract Documents, including, but not limited to, the Drawings and other incidental and appurtenant exhibits including these INSTRUCTIONS TO BIDDERS. All Bids shall be complete in every respect and no interlineations, excisions or special conditions shall be made to be included in the Bid Form by the Bidder. All blank spaces for Bid Prices shall be filled in in ink or typewritten; in both words and figures.
- B. Required documents: Bid, Bid Documents including the Bid, the Bid Guarantee, the Non-Collusion Affidavit and the Statement of Bidder's Qualifications (if requested), shall be submitted to the City's Board of Contract and Supply as indicated on Page 1 of this document. **One original and one paper copy of the bid documents and required forms shall be submitted along with one USB drive with a single PDF containing all bid documents and required forms. No CDs or emailed PDFs will be accepted. Failure to submit a USB stick with a single PDF of the required documents and forms may result in disqualification.**
- C. The Owner may consider as irregular any Bid on which there is an alteration of or departure from the Bid Form hereto attached and, at its option may reject the same.
- D. If the Contract is awarded it will be awarded by the Owner to a responsible Bidder on the basis of the lowest Bid and the selected Alternative Bid items, if any. However, the City reserves the right to select an alternate bidder, if in the best interest of the City. The Contract will require the completion of the work according to the Contract Documents.
- E. Each Bidder shall include in their Bid the following information:

PRINCIPALS	FIRM
Names	Name
Home Addresses, including City, State and Zip Code.	Address City, State and Zip Code

6. BID GUARANTEE

- A. The Bid must be accompanied by a Bid Guarantee which shall not be less than **five percent (5%)** of the amount of Bid. The guarantee may be a bid bond in the form attached. The Bid Bond shall be secured by a guarantee or a surety company listed in the latest issue of the U.S. Treasury Circular 570. The amount of such Bid Bond shall be within the maximum amount specified for such company in said Circular 570. No Bid will be considered unless it is accompanied by the required guarantee. Certified checks, cashier's checks, or cash deposits will not be accepted. The Bid Guarantee shall insure the execution of the Agreement and the furnishing of the surety bond or bonds by the successful Bidder; all as required by the Contract Documents.
- B. Revised Bids submitted before the opening of Bids, whether forwarded by mail or telegram, if representing an increase in excess of two percent (2%) of the original Bid, must have the Bid Guarantee adjusted accordingly, otherwise the Bid will not be considered.
- C. Bid Bonds of unsuccessful Bidders will be returned as soon as practical after the opening of Bids.

7. COLLUSIVE AGREEMENTS

- A. Each Bidder submitting a Bid to the Owner for any portion of the work contemplated by the documents on which bidding is based, shall execute and attach thereto, an affidavit substantially in the form herein provided, to the effect that he has not entered into a collusive agreement with any other person, firm, or corporation in regard to any Bid submitted.
- B. Before executing any subcontract, the successful Bidder shall submit the name of any proposed Subcontractor for prior approval and an affidavit substantially in the form provided in this document.

8. STATEMENT OF BIDDER'S QUALIFICATIONS

- A. Each Bidder shall completely fill out a STATEMENT OF BIDDER'S QUALIFICATIONS noting their/her experience record in constructing the type of improvements embraced in the work, their/her organization and equipment available for the work contemplated on the form furnished for that purpose, and when specifically requested by the Owner, a detailed financial statement. The Owner shall have the right to take such steps as it deems necessary to determine the ability of the Bidder to perform their obligations under the Contract and the Bidder shall furnish the Owner all such information and data for this purpose as it may request. The right is reserved to reject any Bid where an investigation of the available evidence or information does not satisfy the Owner that the Bidder is qualified to carry out properly the terms of the contract.
- B. The Owner will not consider bids from prime bidders who do not prove at least 5 years construction experience (within the last 7 years) on Roadway Improvement Projects. Roadway Improvement Projects shall be defined as existing, active roadways within an existing city, state or federally owned right-of-way. Instructions on documenting this experience are included in the STATEMENT OF BIDDER'S QUALIFICATIONS bid form.
- C. The Low Bidder (Responsive and Responsible) must:

Provide a list of equipment owned/leased in their possession;

Provide the names and qualifications of the Superintendent and Supervisory personnel assigned major features of work;

Provide a description of all self-performed work;

Provide the names of proposed subcontractors and extent of work to be performed;

The Contractor shall demonstrate and provide a work plan to comply with the State Public Works Contract apprenticeship program as prescribed by RIGL Title 37 Section 37-13-3.1. These documents are considered part of the Contract as if attached and written in full.

Provide the name of the firm's Equal Employment Opportunity with reference to the City or State;

Provide Certification of Non-Discrimination in Equal Employment Opportunity with reference to the State;

Provide financial references and set of audited financial statements (prepared by a CPA) for most recent 3-year period to City for its review and approval;

Provide original letters from Bonding & Insurance Companies District Offices indicating willingness to furnish bonds/certificates;

Provide insurance documentation naming the Owner as additionally insured;

Provide list of 10 most recent contracts completed;

Provide list of all uncompleted contracts;

List whether in the past 3 years the firm has had any bids rejected for lack of qualifications, Responsibility, submission of informal/non-responsive bids, been denied or revoked of pre-qualification; or violated any State labor law or prevailing wage citation.

9. UNIT PRICES, SUPPLEMENTAL UNIT PRICES AND ALTERNATES

The Unit Price for each of the items in the proposal of each Bidder shall include as part of the Unit Cost the pro rata share of overhead and profit so that the sum of the products obtained by multiplying the quantity shown for each item by the Unit Price Bid represents the Total Bid. Bid pricing sheets are included in Appendix G.

The special attention of all Bidders is called to this provision for, should conditions make it necessary to revise the quantities, no limit will be fixed for such increased or decreased quantities nor extra compensation allowed, provided the net monetary value of all such additive and subtractive changes in quantities of such items of work (i.e., difference in cost) shall not increase or decrease the original contract price by more than **twenty-five percent (25%)**, except for work not covered in the Drawings and Technical Specifications as provided for in the RHODE ISLAND DEPARTMENT OF TRANSPORTATION Standard Specifications for Road and Bridge Construction, 2004 Edition, Amended March 2018 GENERAL CONDITIONS PART 1, Section 104.0.7 a2.

The Bidder shall provide Bid Unit Costs that reflect the Fair Market Value of the work to be performed to prevent an unbalanced bid. As such the practice of submitting Penny, Dollar or Token Bid values is discouraged and could result in rejection of the bid if found to be unbalanced.

10. CORRECTIONS

Erasures or other changes in the Bids must be explained or noted over the signature of the Bidder.

11. TIME FOR RECEIVING BIDS

- A. Bids received prior to the advertised hour of opening will be securely kept and sealed. The officer whose duty it is to open them will decide when the specified time has arrived and no Bid received thereafter will be considered. Bidders are solely responsible for delivery to and receipt by the Owner of bids. The time of receipt will determine the acceptability of mailed bids, regardless of postmark.
- B. Bidders are cautioned that while telegraphic modifications of Bids may be received as provided above, such modifications, if not explicit and if in any sense subject to misinterpretation, shall make the Bid so modified, or amended, subject to rejection.

12. OPENING OF BIDS

At the time and place fixed for the opening of Bids, the Owner will cause to be opened and publicly read aloud, every Bid received within the time set for receiving Bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present in person or by representative.

13. WITHDRAWAL OF BIDS

Bids may be withdrawn upon written or telegraphic request dispatched by the Bidder in time for delivery in the normal course of business to the time fixed for opening provided that written confirmation of any telegraphic withdrawal over the signature of the Bidder is placed in the mail and postmarked prior to the time set for Bid opening. The Bid Guarantee of any Bidder withdrawing their Bid in accordance with the foregoing conditions will be returned promptly.

14. DESCOPE MEETING

All bidders shall be available for a Pre-Bid Award Descope Meeting as may be required by the Owner. The Owner reserves the right to descope one or more bidders. Additionally, the meeting minutes of the Descope Meeting shall be enumerated as part of the signed contract agreement. The intent is NOT to renegotiate cost in any manner but to obtain clarifications and details of representations made by the Bidder to assure an understanding of the bid prior to final award.

15. AWARD OF CONTRACT; REJECTION OF BIDS

- A. The Contract will be awarded to the lowest, qualified responsible Bidder submitting the lowest bid complying with the conditions of the Invitation for Bids. The Bidder to whom the award is made will be notified at the earliest possible date. The Owner, however, reserves the right to reject any and all Bids and to waive any informality in Bids received, whenever such rejection or waiver is in its interest.
- B. The Owner reserves the right to consider as unqualified to do the work of general construction, any Bidder who does not habitually perform work with their own forces, the major portions of the work involved in the construction of the improvements embraced in this Site Improvements contract.
- C. The Owner will not award the Contract to any Contractor who is, at the time, ineligible under the provisions of any regulations issued by the Secretary of Labor; United States Department of Labor; or is not qualified under applicable ordinances of the City of Providence or the Laws of the State of Rhode Island. Attention of all Bidders is called to Title 37, Chapter 13, Sections 1-14, General Laws of Rhode Island, 1956, relative to the payment of wages, obligations and charges by Contractors on public works (see GENERAL CONDITIONS PART II, Section 202).

16. EXECUTION OF AGREEMENT; PERFORMANCE AND PAYMENT BOND

- A. Subsequent to the award within ten (10) days after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the Owner an Agreement on the form included in the Contract Documents in such number of copies as the Owner may require.
- B. Having satisfied all conditions of award as set forth elsewhere in these documents, the successful Bidder shall, within the period specified in paragraph "A" above, furnish a surety bond in a penal sum not less than the amount of the Contract as awarded, as security for the faithful performance of the Contract and for the payment of all persons, firms or corporations to whom the Contractor may become legally indebted for labor, materials, tools, equipment, or services of any nature including utility and transportation services employed or used by him in performing the work. Such Bond shall be in the same form as that included in the Contract Documents and shall bear the same date as, or a date subsequent to, that of the Agreement. The current power of attorney for the person who signs for any surety company shall be attached to such bond. This bond shall be signed by a guarantee or surety company listed in the latest issue of the U.S. Treasury Circular 570 and the penal sum shall be within the maximum specified for such company in said Circular 570.

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- C. The failure of the successful Bidder to execute such Agreement and to supply the required bond or bonds within ten (10) days after the prescribed forms are presented for signature, or within such extended period as the Owner may grant based upon reasons determined sufficient by the Local Public Agency, shall constitute a default and the Owner may either award the Contract to the next lowest responsible Bidder, or readvertise for Bids and, may charge against the Bidder the difference between the amount of the Bid and the amount for which a Contract for the work is subsequently executed; irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable Bid is received by readvertising, the defaulting Bidder shall have no claim against the Owner for a refund.

17. WAGES AND SALARIES

- A. Attention of Bidders is particularly called to the requirements concerning the payment of not less than the prevailing wage and salary rates specified in the Contract Documents and the conditions of employment with respect to certain categories and classifications of employees. See General Conditions, Part II.
- B. The rates of pay set forth under General Conditions, Part II, are the minimums to be paid during the life of the Contract. It is therefore the responsibility of Bidders to inform themselves as to local labor conditions, such as length of work day and work week, overtime compensation, health and welfare contributions, labor supply and prospective changes or adjustments of rates.
- C. Attention of all Bidders is called to Title 37, Chapter 13, Section I-14 of the General Laws of Rhode Island, 1956, relative to the payment of wages, obligations, and charges by contractors on public works.
- D. Prevailing wage rates and Davis-Bacon Wage Determination Reference Materials are available online at <https://beta.sam.gov/>.

18. EQUAL EMPLOYMENT OPPORTUNITY

Attention of Bidders is particularly called to the requirement for ensuring that employees and applicants for employment are not discriminated against because of their race, color, religion, sex, or national origin.

19. NOTICE TO PROCEED, TIME OF COMPLETION, AND LIQUIDATED DAMAGES

- A. The Bidder must agree to commence work on or before a date to be specified in a written Notice to Proceed by the Owner and to be fully completed by **Wednesday, June 1, 2022**.
- B. The Contractor is required to sign and date four (4) copies of the Notice to Proceed. The Contractor shall keep one copy and return the other three copies to the Department of Planning and Development, 444 Westminister Street, Providence, Rhode Island 02903 and the PPBA, 50 South Main Street, Providence, RI 02903.
- C. The Bidder must agree to commence work on or before a date to be specified in a written Notice to Proceed by the Owner and to fully complete the project by the indicated completion date. The Bidder will be subject to liquidated damages as indicated in the SPECIAL CONDITIONS, Section 303.

20. ITEMS NOT LISTED IN THE BID

Appurtenant items of work shown on the drawings or specified or required to complete the work but not listed separately under the list of items in the Bid shall be included in the cost of payment under the various applicable Bid items of work and no separate payment will be made for such items. It shall be the responsibility of the Contractor to verify any missing or incomplete data.

21. BALANCED BIDDING

Minus-bidding on any item or items of the specifications is prohibited. Bids should be made on each separate item of work shown in the Bid (proposal) with reasonable relation to the probable cost of doing the work included in such items; the right is reserved to reject wholly any Bid in case an item or items thereof are obviously unbalanced or appear to the Owner to be so unbalanced as to affect, or liable to affect adversely any interests of the Owner. The attention of the Bidder is called to the fact that unbalancing of Bids may adversely affect the Contractor if certain portions of the work are increased or decreased as provided in the Contract Documents.

22. PRICES

- A. Bidders shall state the proposed price for the work by which the Bids will be compared. This price is to cover all the expenses incidental to the completion of the work in full conformity with the contract specifications and drawings. The price or prices proposed shall be stated both in writing and in figures, and any Bid not so stated may be rejected.
- B. In the event that there is a discrepancy between the price written in words, and written in figures, the price written in words shall govern. No bid will be accepted which does not contain a unit or lump sum price for every item contained in the Bid Form.
- C. The Contractor shall provide Schedule of Rates for all Labor and Equipment as part of the Bid for the project. This rate table will be used for adjustments in costs in the event they are required.

23. UNCERTAINTY OF QUANTITIES

- A. The quantities listed in the Bid (proposal) are approximate and are given only for use in comparing Bids and to indicate approximately the total amount of the contract, and the Owner does not expressly or by implication represent that the actual amounts of work will even approximately correspond therewith but does call particular attention to the uncertainty in the quantities of the work involved which cannot be predicted in advance. The work under certain items may be materially greater or less than those given in the Bid (proposal) as may be necessary in the judgment of the Owner to complete the work contemplated in the contract. Attention is particularly called to the fact that the quantity of work to be done under some Bids may be largely dependent on subsurface ground conditions encountered and therefore the quantities of work to be done under the various items may vary substantially from the estimated quantities or may even be omitted.
- B. Under the contract, the Owner reserves the right to increase or decrease the approximate quantities for, or to omit entirely, any of the items as listed in the Bid.

Only such quantities of the respective items of work actually performed and accepted will be paid for. An increase or decrease in the quantity for any item shall not be regarded as ground for an increase or decrease in the Bid Prices, except as provided for in the RHODE ISLAND DEPARTMENT OF TRANSPORTATION Standard Specifications for Road and Bridge Construction, 2004 Edition, Amended March 2018 GENERAL CONDITIONS PART 1, Section 104.0.7 a2.

24. CONTRACT

A contract in the form set forth hereinafter will be required to be executed by the successful Bidder and the Owner. The attention of all Bidders is, therefore, called to the form of said proposed contract and the provisions thereof.

25. WORK ON PRIVATE PROPERTY

Conditions may warrant work on private property due to grade change at a driveway, sidewalk or curb ramp. Work on private property may only occur with instruction from the Owner.

26. CONDITIONS OF WORK

Each Bidder must inform himself fully of the conditions relating to the construction and labor under which the work is now or will be performed; failure to do so will not relieve the successful Bidder of their obligation to furnish all required materials, equipment, services, systems, and labor necessary to carry out all of the provisions of the Contract Documents, and to complete the prescribed set forth in their Bid. Insofar as possible, the Contractor, in the carrying out of their work must employ such methods or means as will not cause any reasonable interruption of or interference with traffic, the use of existing facilities and utilities, the use of municipally or State- or privately-owned lands, or with the work being performed by others. The Contractor shall perform the work in accordance with the Drawings and the Traffic Management Plan, as found in the appendices. The Contractor is responsible for any and all additional efforts required to accommodate protections for pedestrians, vehicles and bicycle traffic through the work zone, including providing temporary access routes/ramps that are detectable and include accessibility features consistent with the existing sidewalks, resulting infield conditions created by the means and methods deployed by the Contractor.

The Contractor must satisfy himself by their own investigation and research as to the nature and location of the work, the general and local conditions, including but not restricted to those bearing upon underground pipes and structures, subsurface soil conditions including rock and groundwater, transportation, disposal, handling and storage of materials, water, electric power, roads, means of access, the construction and making of connections of the work to existing facilities and utilities, the locations of existing utilities and structures affecting the work, or other similar conditions at the site, the character of equipment and facilities needed preliminary to and during prosecution of the work, requirements of owners and controlling authorities having jurisdiction over the various lands, existing structures, facilities and utilities and all other conditions affecting the work to be done and labor and materials needed, and make their Bid in sole reliance thereon, and shall not at any time after the submission of a Bid assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

27. NOTICE OF SPECIAL CONDITIONS

Attention is particularly called to those parts of the contract documents and specifications which deal with the following:

- A. Inspection and testing of materials
- B. Insurance requirements
- C. Wage rates
- D. Interpretation of drawings and specifications
- E. Test Pits
- F. The use of explosives

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- G. As-built drawings
 - H. Existing utilities and connections
 - I. Layout of work
 - J. Locations of work
 - K. Schedule of work
 - L. Salvageable materials
 - M. Construction schedule
 - N. Preconstruction conference
 - O. Occupational Safety and Health Standards (OSHA) required PPE shall be provided by the Contractor as part of their costs, as well as any PPE Requirements related to Covid-19

The Contractor shall submit a Life and Safety Plan prior to the execution of the Work including the Contractor's COVID-19 Plan

- P. Environmental

28. LAWS AND REGULATIONS

The Bidder's attention is directed to the fact that all applicable Federal and State laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included as if they are attached and written in full.

29. DEFINITIONS

The term "Owner" means the Department of Planning and Development which is authorized to undertake this contract.

30. SEQUENCE OF CONSTRUCTION

The Contractor shall schedule their operations so as to minimize delays and inconvenience to traffic and shall at all times cooperate with the City of Providence, Parks Department, Department of Public Properties, Police and Fire Departments, the Traffic Engineering Department and the Department of Planning & Development and their appointed representatives. The Contractor shall also cooperate with the Department of Public Works, the Rhode Island Department of Transportation, the Providence Water Supply Board, National Grid, the Rhode Island Public Transit Authority (bus stops and route impacts) and other private companies. The Contractor shall submit their proposed "Sequence of Construction" to the Owner for approval before commencing work.

31. TITLE 37 - CHAPTER 13 (LABOR AND PAYMENT OF DEBTS BY CONTRACTORS – GENERAL LAWS OF RI, 1956, AS AMENDED)

Title 37 - Chapter 37-13 of the General Laws of RI, 1956, as amended, shall be considered part of this Contract as if attached and written in full.

32. PROVIDENCE CODE OF ORDINANCES – SECTION 21.28.1. QUALIFICATIONS OF PARTIES DOING BUSINESS WITH THE CITY.

The Contractor shall comply fully with this Section as if attached and written in full.

https://library.municode.com/ri/providence/codes/code_of_ordinances

33. INSTRUCTIONS TO BIDDERS

Instructions to Bidders are contained in the Instructions to Bidders Division, of which this Article is hereby made part of. When the provisions of the Contract Documents are changed by this Article, the portion modified is referred to by number. Unchanged portions and other provisions remain intact.

34. BID SECURITY

Bid Security shall be in the amount stated in the Board of Contract and Supply CONSTRUCTION & SERVICE CONTRACT BID TERMS and INVITATION FOR BIDS and shall be: Bid Bond naming the City of Providence as Obligee.

35. PRE-BID CONFERENCE

A MANDATORY PRE-BID CONFERENCE HAS BEEN SCHEDULED FOR MONDAY, AUGUST 2, 2021 AT 2:30 PM. THE PRE-BID CONFERENCE WILL OCCUR OVER ZOOM AT THE FOLLOWING LINK:

<HTTPS://MCMAHON.ZOOM.US/J/91895078240?PWD=R2PYTMPXWGJBZMR0OGH6VW9JVM0WZZ09>.

BIDDING REQUIREMENTS

Notice of Special Requirements:

- A. Attention is particularly called to those parts of the Contract Documents and Specifications dealing with the following:
 - 1. Non-Collusive Affidavit
 - 2. Insurance Requirements
 - 3. Wage Rates
 - 4. Required State Certifications
 - 5. Requirements for Affirmative Action
 - 6. Federal Procurement Regulations
 - 7. Minority Employment and EEO Compliance
 - 8. Special Requirement for All Out-of-State Contractors and Firms
 - 9. First Source List
 - 10. Miscellaneous/Notifications/Required License
 - 11. City of Providence Code of Ordinances, Chapter 21, Article II, Section 21-52. Minority and Women Business Enterprise

12. City of Providence Code of Ordinances, Chapter 21, Article II, Section 21-28.1. Qualifications of parties doing business with the Owner.

B. The Bidder is specifically advised that any person or firm, or other party to whom it is proposed to award a subcontract under this Contract must be acceptable to the Owner.

36. REQUIRED BID DOCUMENTS

A. The following documents must be fully executed on the special forms provided herein and must accompany all bids:

1. City of Providence Board of Contract and Supply and MBE/WBE Participation Forms
2. Bid Bond
3. Certificate of Corporate Principal
4. Non-Collusion Affidavit of Prime Bidder
5. Non-Collusion Affidavit of Subcontractor
6. Certification of Non-Segregated Facilities
7. Bidder's Certification for Equal Employment Opportunity
8. Special Requirement for All Out-of-State Contractors and Firms
9. Certification with Regard to Performance of Previous Contracts and Subcontracts
10. Affidavit of Non-Discrimination
11. Certification of Non-Discrimination in Equal Employment Opportunity
12. Statement of Bidders Qualifications
13. Proposed Subcontractors
14. Schedule of Unit Prices
15. Schedule of Rates for all Labor and Equipment

37. CERTIFICATE OF NON-SEGREGATED FACILITIES

All contractors should be aware of the Certification of Non-Segregated Facilities which is part of the Bid proposal.

38. CERTIFICATION WITH REGARD TO PERFORMANCE OF PREVIOUS CONTRACTS OR SUBCONTRACTS SUBJECT TO THE EQUAL OPPORTUNITY CLAUSE

In general, this certificate refers to Standard Form 100, which is an annual form submitted by certain contractors to the U.S. Department of Labor. Contractors should refer to the Federal Procurement Regulations for a more thorough explanation of this report.

39. SUBMISSION OF STANDARD FORM 257

Bidders shall be advised that the contractor who is awarded the Contract will be required to submit to the Department of Labor Form 66 and the Minority Manpower Utilization Report. This report will be completed for the Owner on the fifth day of each month for work done the preceding month. This report is required of not only the prime contractor, but all subcontractors and must reflect minority manpower utilization for all work done in the State during the performance of this Contract.

40. MISCELLANEOUS / NOTIFICATIONS

- A. The Contractor shall notify "Dig-Safe" and all public and private utility companies for confirmation and layout of utility locations prior to the commencement of work.

City-Owned utilities such as but not limited to drainage, sewers, traffic signal and street lighting infrastructure are NOT PART of the DIG SAFE program in Providence and are not marked by the City of Providence. Contractors are urged to exercise due diligence and review handholes, manholes, fixtures and other visual clues that underground utilities exist in the Work Zone that may not be located and marked by Dig Safe. This effort may require observing underground structures by removing manhole and handhole covers to observed depths and direction of utilities. Additionally, the Providence Department of Public Works does have a limited library of public utilities and roadway information on file. This information can be obtained by contacting the Engineering Division at DPW.

- B. Refer to the Contract Specifications for Additional Requirements.

- C. The Contractor shall verify all dimensions and accurately locate the property boundary and Limit-of-Work lines to the satisfaction of the Owner prior to the commencement of work.

- D. As of **May 18, 1995**, all contractors proposing to execute work within the public right-of-way in the City of Providence must obtain an annual sidewalk license through the Providence Department of Public Works, 700 Allens Avenue, Providence, RI. The **annual license fee is \$100.00**, to be paid by the Contractor.

The Contractor shall be back charged for at actual costs to correct issues resulting from not failure to perform this task and required timely notifications of work. The Contractor will not be eligible for extensions in time for failure to comply.

- E. Project layout and the highest standards of execution for the project is extremely important. All methods and materials will be approved in advance of the execution of work. The Contractor, Owner and the Inspector and Project Manager shall agree on a project schedule, acceptable work schedule and schedule of approvals in advance of any work or action taken on the site and delivery of materials.

Contractors and Subcontractors shall provide all the qualified and skilled labor required to meet the quality level expected for this project. If the Owner determines that the Contractor is not providing the labor and skill required he/she will be required to immediately provide new personnel or Subcontractor for said skill acceptable to the Owner to replace unacceptable sections/areas and continue the project.

Work deemed unacceptable during the course of the work will be cause for the Owner to reasonably withhold payments for work completed to-date until acceptability is achieved and required work is properly corrected. The contractor shall not proceed to new work until work done to-date is acceptable.

41. HOLDING OF BIDS BY DEPARTMENT OF PUBLIC WORKS

Bids may be held by the Owner for a period not to exceed ninety (90) days from the date of Opening of Bids, for the purpose of reviewing of bids and investigating the qualifications of bidders, all prior to award of Contract.

42. AWARD OF CONTRACT / START OF CONSTRUCTION

The CONTRACT for construction is expected to be awarded on **Monday, September 13, 2021**. The Board of Contract and Supply may take up to 60 days to formally award the Contract and the Contract shall commence work within 5 days of Contract Award unless otherwise agreed to in writing.

CONTRACTOR shall commence construction within ten (10) calendar days of issuance of NOTICE-TO-PROCEED. The Contractor shall have made application for required bonds no later than the day after Contract Award. The City reserves the right to issue notices to proceed in phases.

REQUIRED BIDDING DOCUMENTS
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

List of Forms:

The following forms must be completed and signed by the bidder and included with the bid. Failure to execute any form, or portion thereof may lead to disqualification of a bid.

1. Form of Bid
2. Purchasing Department Documents and MBE/WBE Participation Forms
3. Bid Bond
4. Certificate of Corporate Principal
5. Non-Collusion Affidavit of Prime Bidder
6. Non-Collusion Affidavit of Subcontractor
7. Certification of Non-Segregated Facilities
8. Bidder's Certification for Equal Employment Opportunity
9. Special Requirement for All Out-of-State Contractors and Firms
10. Certification with Regard to Performance of Previous Contracts and Subcontracts
11. Affidavit of Non-Discrimination
12. Certification of Non-Discrimination in Equal Employment Opportunity
13. Statement of Bidders Qualifications
14. Proposed Subcontractors
15. Schedule of Unit Prices (Appendix L)

FORM OF BID
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

TO: PURCHASING OFFICE
3rd Floor City Hall
Providence, Rhode Island 02903

Contractors:

1. The undersigned, having familiarized (himself) (themselves) (itself) with existing conditions of the **Dean Street Bicycle & Pedestrian Improvements** project affecting the cost of work, and with the Contract Documents (which includes the Invitation for Bids, Instructions to Bidders, Form of Bid, Form of Bid Bond, Form of Agreement, Form of Non-Collusive Affidavit, Addenda (if any), Drawings, Technical Specifications, Schedule of Unit Prices (Phase 2) and Schedule of Unit Prices (Phase 2 – Resurfacing), Form of Surety Bond(s); as prepared by the Department of Public Works, and on file in the office of the Department of Public Works, 700 Allens Avenue, Providence, RI 02905, hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services including utility and transportation services, and to perform and complete all required work for the **DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS** project and such other required and incidental work, complete, all in accordance with the above listed documents and for the unit prices for work in-place for the items and quantities listed in the submitted Schedules of Unit Prices.

Total of Bid – DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS- For the sum of: \$ _____
_____ Dollars

2. In submitting this Bid, the Bidder understands that the right is reserved by the Owner to reject any and all Bids. If written notice of acceptance of this Bid is mailed, telegraphed or delivered to the undersigned within (90) days after the opening thereof, or at any time thereafter before this Bid is withdrawn, the undersigned agrees to execute and deliver an Agreement in the prescribed form and furnish the required bond within ten (10) days after the Agreement is presented to him/her for signature.

3. Security in the sum of _____ Dollars
(\$ _____), in the form of _____
is submitted herewith in accordance with the Instructions to Bidders.

4. Attached hereto is an affidavit in proof that the undersigned has not colluded with any person in respect to this Bid or any Bids for the Contract for which this Bid is submitted. Also attached is a Statement of Bidder's Qualifications.

5. The Bidder is prepared to submit a financial and experience statement upon request.

6. If applicable unit prices are contained in the Agreement (established as the result of a Unit Price), the Owner may order the Contractor to proceed with desired changes in the work, the value of such changes to be determined by the measured quantities involved and the applicable unit prices specified in the Contract; provided that in case of a unit price contract the net value of all changes does not increase or decrease the original total amount shown in the Agreement by more than **twenty-five percent (25%)** in accordance with the Section entitled Unit Prices, under Instructions to Bidders.

Bidder Signature and Acknowledgement of Addenda:

DATE: _____, 20____

Official Address:

Name of Bidder (Firm):

By: _____ *(Signature)*

Title: _____

Bidder shall indicate, in space provided,
the earliest possible Project **Start-up Date:**

_____, 20____

ADDENDA: The undersigned acknowledges receipt of the following Addenda, if any, and has included the provisions thereof in this Bid:

<u>Addendum No.</u>	<u>Date</u>	<u>Addendum No.</u>	<u>Date</u>
_____	_____, 20____	_____	_____, 20____
_____	_____, 20____	_____	_____, 20____
_____	_____, 20____	_____	_____, 20____
_____	_____, 20____	_____	_____, 20____

MBE/WBE PARTICIPATION AFFIDAVIT

Item Description (as seen on RFP):

Prime Bidder: _____

Prime Bidder (Company) Phone Number: _____

Prime Bidder (Company) Zip Code: _____

Which one of the following describes your business' status in terms of Minority and/or Woman-Owned Business Enterprise certification with the State of Rhode Island? MBE WBE Neither MBE nor WBE

By initialing the following sections and signing the bottom of this document in my capacity as the contractor or an authorized representative of contractor, I make this Affidavit:

It is the policy of the City of Providence that minority business enterprises (MBEs) and women business enterprises (WBEs) should have the maximum opportunity to participate in procurements and projects as prime contractors and vendors. Pursuant to Sec. 21-52 of the Providence Code of Ordinances and Chapter 31-14 *et seq.* of the Rhode Island General Laws (as amended), MBE and WBE participation goals apply to contracts.

The goal for Minority Business Enterprise (MBE) participation is 10% of the total bid value.
The goal for Women's Business Enterprise (WBE) participation is 10% of the total bid value.
The goal for combined MBE/WBE participation is 20% of the total bid value.

I acknowledge the City of Providence's goals of supporting MBE/WBE certified businesses. Initial _____

If awarded the contract, I understand that my company must submit to the Minority and Women's Business Coordinator at the City of Providence (MBE/WBE Office), copies of all executed agreements with the subcontractor(s) being utilized to achieve the participation goals and other requirements of the RI General Laws. **I understand that these documents must be submitted prior to the issuance of a notice to proceed.** Initial _____

I understand that, if awarded the contract, my firm must submit to the MBE/WBE Office canceled checks and reports required by the MBE/WBE Office on a quarterly basis verifying payments to the subcontractors(s) utilized on the contract. Initial _____

If I am awarded this contract and find that I am unable to utilize the subcontractor(s) identified in my Statement of Intent, I understand that I must substitute another certified MBE and WBE firm(s) to meet the participation goals. **I understand that I may not make a substitution until I have obtained the written approval of the MBE/WBE Office.** Initial _____

If awarded this contract, I understand that authorized representatives of the City of Providence may examine the books, records and files of my firm from time to time, to the extent that such material is relevant to a determination of whether my firm is complying with the City's MBE/WBE participation requirements. Initial _____

I do solemnly declare and affirm under the penalty of perjury that the contents of the foregoing Affidavit are true and correct to the best of my knowledge, information and belief.

Signature of Bidder

Printed Name

Company Name

Date

SUBCONTRACTOR DISCLOSURE FORM

Fill out this form only if you WILL SUBCONTRACT with other parties. If you will not subcontract any portion of the proposed bid, do not fill out this form.

Prime Bidder: _____ Primary NAICS Code: _____

Item Description (as seen on RFP):

Please list all Subcontractors below. Include the total dollar value that you propose to share with each subcontractor and the dollar amount to be subcontracted. Please check off MBE and WBE where applicable. The directory of all state-certified MBE/WBE firms is located at www.mbe.ri.gov. Business NAICS codes can be found at <https://www.naics.com/search/>

Proposed Subcontractor	MBE	WBE	Primary NAICS Code	Date of Mobilization	\$ Value of Subcontract
					\$
					\$
					\$
					\$
					\$
					\$
A. MBE SUBCONTRACTED AMOUNT:					\$
B. WBE SUBCONTRACTED AMOUNT:					\$
C. NON MBE WBE SUBCONTRACTED AMOUNT:					\$
D. DOLLAR AMOUNT OF WORK DONE BY THE PRIME CONTRACTOR:					\$
E. TOTAL AMOUNT OF BID (SUM OF A, B, C & D):					\$
F. PERCENTAGE OF BID SUBCONTRACTED TO MBEs AND WBEs. (Add A and B. Divide by E and multiply by 100).					%

Please read and initial the following statement acknowledging you understand.

If the percentage of the total amount of the bid being awarded to MBE or WBE vendors is less than 20% (Box F) and the prime contractor is NOT a Rhode Island State-certified MBE or WBE, **you must fill out the MBE/WBE WAIVER REQUEST FORM for consideration by City of Providence MBE/WBE Outreach Director.** Initial _____

Signature of Prime Contractor

Printed Name

Date Signed

MBE/WBE WAIVER REQUEST FORM

Fill out this form only if you are using subcontractors and did not meet the 20% MBE/WBE participation goal. MBE or WBE Prime Bidders that are certified by the State of Rhode Island are NOT REQUIRED to fill out this form.

Submit this form to the City of Providence MBE/WBE Outreach Director, Grace Diaz, at mbe-wbe@providenceri.gov for review **prior to bid submission**.

This waiver applies only to the current bid which you are submitting to the City of Providence and does not apply to other bids your company may submit for in the future.

Prime Bidder: _____

Company Trade: _____

Item Description (as seen on RFP):

To receive a waiver, you must list the certified MBE and/or WBE companies you contacted, the name of the primary individual with whom you interacted, and the reason the MBE/WBE company could not participate on this project.

MBE/WBE Company Name	Individual's Name	Company Trade	Why did you choose not to work with this company?

I acknowledge the City of Providence's goal of a combined MBE/WBE participation is 20% of the total bid value. I am requesting a waiver of _____ % MBE/WBE (20% minus the value of **Box F** on the Subcontractor Disclosure Form). If an opportunity is identified to subcontract any task associated with the fulfillment of this contract, a good faith effort will be made to select MBE/WBE certified businesses as partners.

Signature of Prime Contractor

Printed Name

Date Signed

Signature of City of Providence
MBE/WBE Outreach Director

Printed Name of City of Providence
MBE/WBE Outreach Director

Date Signed

BID BOND
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____ as
(Name of Principal)
PRINCIPAL, and _____ AS SURETY are held and firmly bound unto
(Name of Surety)

the **City of Providence** hereinafter called the "Owner", in the penal sum of

_____ Dollars,

(\$ _____) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that Whereas the principal has submitted the

Accompanying Bid, Dated _____, 20____, for

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same, or, if no period be specified, within thirty (30) days after the said opening, and shall within the period specified therefor, or if no period be specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Owner in accordance with the Bid as accepted and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid, within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Owner the difference between the amount specified in said Bid and the amount for which the Owner may procure the required work or supplies or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this _____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

In presence of: _____ (Seal)

(Individual Principal) _____
_____ (Business Address including Zip)

(Title) _____ (Seal)
_____ (Partnership)

_____ (Business Address including Zip)

By: _____

Attest:

_____ (Corporate Principal)
_____ (Business Address including Zip)

By: _____
_____ (Affix Corporate Seal)

Attest:

_____ (Corporate Surety)
By: _____
_____ (Affix Corporate Seal)

Countersigned:
by _____
*Attorney-in-Fact, State of _____

(*Power-of-attorney for person signing for surety company must be attached to bond.)

CERTIFICATE AS TO CORPORATE PRINCIPAL
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

I, _____, certify that I am the _____, Secretary of the Corporation named as Principal in the within bond; that, who signed the said bond on behalf of the Principal was then _____ of said corporation; that I know their signature, and their signature thereto is genuine; and that said bond was duly signed, sealed, and attested to for and in behalf of said corporation by authority of this governing body.

_____ (Corporate Seal)

(Title)

NON-COLLUSION AFFIDAVIT OF PRIME BIDDER
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

State of _____

County of _____

_____, being first duly sworn, deposes and says that:

(1) He is _____ of _____
(owner, partner, officer, representative, or agent) _____

, the Bidder that has submitted the attached Bid:

(2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid:

(3) Such Bid is genuine and is not a collusive or sham Bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement, any advantage against the Department of Public Works or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

(Title)

Subscribed and sworn to before me this

_____ day of _____, 20____

(Title)

My Commission expires _____

**NON-COLLUSION AFFIDAVIT of SUBCONTRACTOR
Dean Street Bicycle & Pedestrian Improvements**

PROVIDENCE, RHODE ISLAND

State of _____

County of _____

_____, being first duly sworn, deposes and says that:

(1) He is _____ of _____
(owner, partner, officer, representative, or agent) _____

, the Subcontractor that has submitted the attached Bid:

(2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid:

(3) Such Bid is genuine and is not a collusive or sham Bid;

(4) Neither the said Subcontractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Subcontractor, Bidder, firm or person to submit a collusive sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has communication or conference with any other Subcontractor, Bidder, firm or person to fix the price or prices in the attached Bid or of any other Subcontractor, Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other Subcontractor, Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement, any advantage against the Department of Public Works or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Subcontractor or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

(Title)

Subscribed and sworn to before me this

_____ day of _____, 20____

(Title)

My Commission expires _____

**CERTIFICATION OF
NON-SEGREGATED FACILITIES
Dean Street Bicycle & Pedestrian Improvements**

PROVIDENCE, RHODE ISLAND

The Bidder certifies that he/she does not maintain or provide for their employees any segregated facilities at any of their establishments, and that he/she does not permit their employees to perform their services at any location, under their control, where segregated facilities are maintained. The Bidder agrees that a breach of this certification will be a violation of the Equal Opportunity Clause in any contract resulting from acceptance of this Bid. As used in this certification, the term "segregated facilities" means any waiting rooms, work rooms, restrooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Bidder agrees that (except where he/she has obtained identical certification from proposed subcontractors for specific time periods) he/she will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000.00 which are not exempt from provisions of the Equal Opportunity Clause, and that he/she will retain such certifications in their files.

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. & 1001.

Date _____, 20_____

Official Address:

Name of Bidder (Firm):

By _____ (Name)

(Signature)

Title _____

**BIDDER'S CERTIFICATION FOR
EQUAL EMPLOYMENT OPPORTUNITY
Dean Street Bicycle & Pedestrian Improvements**

P R O V I D E N C E , R H O D E I S L A N D

In compliance with Executive Order 11246 Equal Opportunity (GC II, Section 210, or latest publication) the Bidder hereby certifies he shall comply with Bid Conditions, Affirmative Action Requirements, Equal Employment Opportunity, as provided in the attachment Shown on pages GC II - 47a to GC II - 47f, or latest publication.

Full name and address of individual or company submitting this Bid:

Signed _____

Name _____

Title _____

Date _____

Notice: Bid should be signed in ink by a person having proper legal authority, and the person's title should be given, such as "Owner" in the case of an individual, "Partner" in the case of a general partnership, "President", Treasurer, or other authorized officer in the case of a corporation.

**SPECIAL REQUIREMENT FOR ALL
OUT-OF-STATE CONTRACTORS AND FIRMS
Dean Street Bicycle & Pedestrian Improvements**

PROVIDENCE, RHODE ISLAND

It is the understanding that any and all out-of-state firms and companies must be registered to do business in the State of Rhode Island with the Secretary of State's Office. Any false statements made in this regard will cause this Contract to become null and void at the option of the City, therefore, in accordance with this requirement the following statement is made:

I (we) being duly sworn officers of said company or firm, hereby declare and affirm that this company or firm is registered with the Rhode Island Secretary of State's Office to do business in Rhode Island.

(Company or Firm)

Attest:

Signature _____

Name _____

Title _____

Note: If proposal is being made by an in-state contractor or firm, this form may be left blank.

**CERTIFICATION WITH REGARD TO
PERFORMANCE OF PREVIOUS CONTRACTS
AND SUBCONTRACTS**

Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

The Bidder _____, proposed Subcontractor _____, hereby certifies that he/she ___ HAS ___ HAS NOT, participated in a previous contract or subcontract subject to the Equal Opportunity Clause, as required by Executive Orders 10924, 11114, or 11246 and that he/she ___ HAS ___ HAS NOT, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements:

Signature _____ Date _____
Company _____ By _____ Title _____

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7 (b)(1), and must be submitted by bidders and proposed subcontractors any in connection with the contracts and subcontracts which are subject to the Equal Opportunity Clause. Contracts and subcontracts which are exempt from the Equal Opportunity Clause are set forth in 41 CFR 60-15. Generally, only contracts or subcontracts of \$10,000.00 or under are exempt.

Currently, Standard Form 100 (EEO-11) is the only report required by the Executive Orders or their implementing regulations. Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the

Executive Orders and have filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts

and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

AFFIDAVIT OF NON-DISCRIMINATION
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

State of _____

County of _____

_____, being first duly sworn, deposes and says that:

He is the _____ of _____

a corporation organized and existing under the Laws of _____ and the

Contractor for the _____

Project No.that he makes this affidavit for and on behalf of said Corporation; that during the period

_____, 20___ to _____, 20___, the said corporation has maintained the practices of employment as required by federal, state, and city laws in regards to the hiring of employees for the aforementioned project and that in employment, upgrading, the demotion or transfer, recruitment or recruitment advertising; layoffs or termination, rates of pay or other forms of compensation; and selection for training including apprenticeship, that it has not discriminated against any employee or applicant for employment on the work covered by this contract because of race, religion, color or national origin.

Signed _____

Name _____

Title _____

Subscribed and sworn to before me this

_____ day of _____, 20___ (Seal)

Signed _____

Title _____

My commission Expires _____

**CERTIFICATION OF NON-DISCRIMINATION
IN EQUAL EMPLOYMENT OPPORTUNITY
Dean Street Bicycle & Pedestrian Improvements**

PROVIDENCE, RHODE ISLAND

The bidder represents the he/she/has, _has not, participated in a previous contract or subcontract to either the equal opportunity clause contracted in Section 202 of the Executive Order 11246; that he/she has, has not,

filed with the Joint Reporting Committee, the Director of OFCC, any Federal agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements of those organizations; and that representations indicating submission of required compliance reports, signed by proposed subcontractors will be obtained prior to subcontract awards.

Full name and address of individual or company submitting this Bid:

Signed _____
Name _____
Title _____
Date _____

Notice: Bid should be signed in ink by a person having proper legal authority, and the person's title should be given, such as "Owner" in the case of an individual, "Partner" in the case of a general partnership, "President", Treasurer, or other authorized officer in the case of a corporation.

STATEMENT OF BIDDER'S QUALIFICATIONS

Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

Separate statements shall be submitted by the bidder with their proposal for themselves, the Designer, the Construction Contractor, and for major design or construction subcontractors. All questions must be answered completely. The date given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached pages keyed into this form. The bidder may submit any additional information he/she desires.

1. Name of Bidder _____
(Proper Name First)
2. Contact Person / Title _____
3. Permanent Main Office Address _____

4. Telephone _____
5. When Organized _____
6. If a Corporation,
When Incorporated _____
7. How many years have you been engaged in the contracting business under your present firm or trade name?

8. State your current contracts in-hand. (Schedule the contracts showing amount of each contract and the appropriate anticipated date of completion.)

9. Will your firm be the Bidder, Designer, Construction Contractor, or Design or Construction Contractor for this project?

10. State the general character of work performed by your Company:

11. Have you ever failed to complete any work awarded to you? _____

If so, where and why: _____

12. Have you ever defaulted on a contract? _____

If so, where and why: _____

13. List the more important projects recently completed by your Company, stating the appropriate cost for each, and the month and year complete:

Projects	Cost	Completion Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

14. List the major equipment your Company has available for this project:

- 15. List the names of projects, owners, architects, contract amounts, dates of completion, and percent of work accomplished with own forces which have been completed within the last five (5) years (or projects etc. which a partner or officer, while associated with another organization, was primarily responsible for:

<u>Project Location</u>	<u>Owner</u>	<u>Engineer/ Architect</u>	<u>Contract Amount</u>	<u>Date Completed</u>	<u>Contact Name/Phone</u>

- 16. List the background and experience of all principal members of your organization:

<u>Name</u>	<u>Background / Experience</u>

- 17. State your firm's particular qualifications, services, etc. for completing the project on-time within the project's program:

18. Based on your knowledge of construction and the Owner's program for the project, indicate a project completion date:

19. Credit Available: _____

20. Give bank reference: _____

21. Will you, upon request, complete a detailed financial statement and furnish any other information requested by the Owner?

22. The Bidder hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the Owner in verification of the recitals comprising this:

STATEMENT OF BIDDER'S QUALIFICATIONS, dated _____

this _____ day of _____, 20____

Name of Bidder _____

By/Title _____

State of _____

County of _____

Subscribed and sworn before me

____ day of _____, 20____

Signed _____

Title _____

My Commission expires _____

CONTRACT FORMS
Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

List of Forms

1. AGREEMENT

Misc. Agreement Forms: (TO BE SUBMITTED PRIOR to CONTRACT SIGNING)

2. Performance Bond
3. Labor and Material Payment Bond

CONSTRUCTION AGREEMENT

Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

CONSTRUCTION AGREEMENT BETWEEN THE CITY OF PROVIDENCE, THE CITY OF PROVIDENCE DEPARTMENT OF PLANNING AND DEVELOPMENT, AND THE PROVIDENCE PUBLIC BUILDINGS AUTHORITY,
AND
[CONTRACTOR]

DEAN STREET BICYCLE AND PEDESTRIAN IMPROVEMENTS

This Construction Agreement (“Agreement”) is made this **[#]th day of [Month]**, 2021 by and between the City of Providence, City of Providence Department of Planning and Development (DPD) and the Providence Public Buildings Authority (PPBA) (collectively “Owner”) and **[Firm, Address, City, State, Zip]** (“Contractor”) (jointly, “Parties”).

Project: The work to be performed under this Contract includes, but is not limited to, all labor, material, and equipment necessary to construct sidewalk and bikeway improvements on Pleasant Valley Parkway between Smith Street and Promenade Street, in the City of Providence, RI. Included in the work is the installation of new asphalt bikeway, concrete sidewalk, curb ramps, and detectable warning systems; removal and disposal of existing signs and installation of new signs; installation of pavement markings; traffic signal modifications; and all other incidentals necessary to execute the work complete in place and accepted within the limits of this contract to the satisfaction of the Owner.

Project Address: Pleasant Valley Parkway between Smith Street and Promenade Street.

Contractor agrees to complete the work identified in this Agreement and in the Contract Documents, (“Project”). With regard to the Project, Owner and Contractor agree:

1. CONTRACT DOCUMENTS

- 1.1. This Agreement, the scope of work, invitation for bids, and any other documents referenced in or attached to this agreement are collectively referred to as the “contract documents,” and include:
 - 1.2. Contract Documents prepared by the Department of Planning and Development and issued by Owner as part of the Request for Proposals – Dean Street Bicycle & Pedestrian Improvements awarded in September, 2021;
 - 1.2.1. Bid submitted by Contractor dated **[enter date]**;
 - 1.2.2. Contract Documents, Dean Street Bicycle & Pedestrian Improvements, prepared by Department of Planning and Development, dated July 2021;
 - 1.2.3. Plan of Proposed Dean Street Bicycle & Pedestrian Improvements, prepared by Fuss & O’Neill, dated **May 14, 2021**;
 - 1.3. Each of the Contract Documents forms part of and is fully incorporated in this Agreement.

- 1.4. To the extent any of the Contract Documents that form part of and are incorporated in this Agreement differ or contradict the terms of this Agreement, the terms of this Agreement shall control.

2. SCOPE OF WORK AND AGREEMENT PRICE

- 2.1. Contractor, having examined the Contract Documents and Project Site, agrees to be bound by the Contract Documents.
- 2.2. Contractor agrees to furnish all required Project Management, labor, materials, equipment, competent supervision, tools, safety measures, transportation costs, proof of insurance, performance bond and payment bond (as directed by Owner) and any and all other appurtenant items necessary for complete performance of the Contract Work in a good and workmanlike manner.
- 2.3. The Contract Work shall conform to all applicable laws, regulations and/or ordinances of any and all governmental agencies including Quasi and having jurisdiction over the Contract Work. All required standards required by the Utility Providers shall be strictly complied with unless otherwise confirmed in writing by the Owner.
- 2.4. Contractor agrees to perform the necessary construction, project installation and oversight work set forth in the Scope of Work.
- 2.5. Contractor agrees to perform the Contract Work strictly in accordance with the Contract Documents, task order and subject to the final approval of Owner for the Agreement Price. Owner and Contractor may amend the Agreement Price only by a written Change Order executed by both Parties. Contractor shall not charge overtime or travel time to Owner unless Owner first approves such charges in writing.
- 2.6. Contractor is responsible for the cleanup and removal of all debris associated with the Contract Work to assure the safety and protection of all persons and property associated with the Project.
- 2.7. If the progress schedule cannot be met due to business interruption and circumstances beyond the control of Contractor, the Owner and Contractor shall discuss and document the cause of such delay and present to the Owner to review and discuss reasonable means to complete the work to avoid further delay. No overtime work will be conducted without an agreed upon Change Order.
- 2.8. From Time to Time the Contractor may be given advanced notice of special events taking place within the Project Limit Lines that will require special attention to work around and/or otherwise provide detailed cleanup, minimize road openings and sidewalk closures as well other applicable tasks that may be required. These events will be required to be captured in the Project Schedule and worked around as necessary to accommodate the events and assure that efforts are made to accommodate the events. Potential events in and around the project area shall be provided to the contractor upon award.
- 2.9. Contractor is employed as an independent contractor to perform the Contract Work and is responsible to provide all tools, equipment and incidentals required to complete the Work.
- 2.10. Contractor has examined the Project Site and has acquainted themselves with local conditions, including readable availability of a project management Team, labor, sub-contractors, equipment and materials.
- 2.11. Based on the Contractors examination of the Project Site, the Contractor accepts all open and obvious conditions at the Project Site visible upon reasonable inspection as of the date of this

Agreement. No allowances will be made after the date of this Agreement for any oversight, error or omission by Contractor in assessing the Project Site with respect to the Scope of Work to be performed and the Agreement Price for conditions falling within these parameters.

3. PERFORMANCE AND WARRANTY

- 3.1. Time is of the essence.
- 3.2. Contractor shall cooperate with Owner in scheduling and performing the Contract Work to avoid conflict, delay in or interference with any separate work of the Owner or other engineers or contractors. Performance requirements may be included in task order, to be agreed to by the City and Contractor.
- 3.3. At Owner's request, Contractor shall promptly provide Owner with proof of the ordering of all materials, equipment and supplies required for complete performance of the Contract Work.
- 3.4. Within Ten (10) Calendar Days, the Contractor shall promptly provide Owner with a schedule of work to be performed which shall be considered a living schedule and update a minimum of every two (2) weeks. Failure to submit and update may result in rescinding work and/or withholding of payment.
- 3.5. Contractor shall use only new material for the Contract Work. Contractor shall remove and replace promptly, at Contractor's own expense, all defective or nonconforming work or materials. Contractor shall promptly report to Owner, in writing, any errors, inconsistencies or omissions relating to the Contract Work and any errors, inconsistencies or omissions in the Drawings and Specifications. Contractor may use salvaged materials with the approval of the Owner provided environmental test reports are provided to assure they are not contaminated. Test reports shall be provided in advance of materials being brought to the site.
- 3.6. Contractor shall complete each aspect of the Contract Work in strict accordance with the standards set forth in this Agreement and the other Contract Documents. Notice to proceed will be issued upon the Contractor's furnishing of insurance, bond, and execution of this Agreement. Contractor shall begin the work no earlier than [date], no later than [date], and must complete work by 6/1/22 unless otherwise stipulated in the task order. The Completion Date may be changed only by a written Change Order signed by the Contractor and Owner. Contractor's failure to perform and timely complete each aspect of the Contract Work, excluding delays caused by Owner or third party persons who are not under Contractor's control, in strict accordance with the Contract Documents, or delay of any work by other engineers, contractors or Owner caused by Contractor, constitutes a material breach of this Agreement, and Contractor shall be responsible for all additional costs incurred by Owner or other engineers or contractors, including overhead, profit, attorneys' fees and litigation expenses resulting from any such breach.
- 3.7. If Contractor, by its own fault or omission, fails to diligently pursue completion of the Contract Work, overtime work may be required by Contractor without additional compensation from Owner.
- 3.8. In certain situations, Contractor may be required by Owner to work overtime and, if Contractor is not in default under the Agreement, Contractor shall be paid additional compensation as agreed to in writing prior to performance of the overtime work. Owner must approve in advance and in writing all overtime work for which Contractor seeks additional compensation and such overtime work will be addressed in a Change Order.

The Contractor shall provide Schedule of Rates for all Labor and Equipment as part of the Bid for the project. This rate table will be used for adjustments in costs in the event they are required.

The rate Schedule will be reviewed during Bid Review process for fairness and will be part of the review for the De-Scope Meeting.

- 3.9. Contractor agrees to keep Owner informed both verbally and in writing as to the progress of the Contract Work and shall perform the Contract Work faithfully and in such order as necessary to keep the overall Project on schedule and to avoid any delay in completion of the Project. Failure to updated project schedule may result in rescinding work and/or withholding of payment.
- 3.10. Contractor shall provide safe and proper facilities for inspection at all times during performance of the Contract Work including preparing and maintaining a **Safety Plan to be submitted prior to the start of Work.**
- 3.11. Contractor warrants that the Contract Work shall (i) be free of defects in material and workmanship for a period of Two (2) years except where prescribed to be for a longer period; (ii) comply with the Drawings and the Specifications or as otherwise agreed to by the Parties; (iii) be performed in safe and workmanlike manner by trained, qualified, and efficient workers, in strict conformity with construction best practices; and (iv) be constructed of new materials of the most suitable grade for the application, and furnish satisfactory evidence to Owner of the type and quality of materials so furnished and used. In the event that the Contract Work fails to meet any of the aforementioned warranties, Contractor shall have the right to cure any nonconforming or defective Work and may replace the defective Contract Work, or reimburse Owner for the Contract Work at the invoice or market price, within thirty (30) days after discovery of the breach of warranty. Contractor shall also, at its cost, remove all material, equipment, and Contract Work which does not comply with the Drawings or meet the Specifications, or is otherwise defective, whether incorporated in the Project or not, and shall re-execute the Contract Work and correct any other work damaged thereby. If Contractor does not remove nonconforming or defective Contract Work promptly, Owner may do so and restore such nonconforming Contract Work at Contractor's expense.
- 3.12. Contractor shall reimburse Owner for all reasonable costs and expenditures made in the settlement of any claim against Owner relating to nonconforming or defective Contract Work.
- 3.13. Neither acceptance of the Contract Work nor payment of some or all of the Agreement Price shall relieve Contractor of responsibility for faulty materials, equipment or workmanship. Contractor shall remedy, as soon as possible, defects appearing within two (2) years from the date of final payment, or within such longer period of time as provided by any manufacturer's warranty, and correct resulting damage to other work at no cost to Owner.

4. ASSIGNMENT

- 4.1. Contractor shall not assign or sublet the whole or any part of this Agreement or any funds accrued or to accrue under this Agreement without the prior written consent of Owner; any assignment or sublet without prior written consent of Owner shall be voidable at the election of Owner. Owner retains the right to refuse any and all assignments or subletting in Owner's sole and absolute discretion. Any attempt to assign this Agreement in whole or in part without Owner's prior written consent constitutes a material breach of this Agreement.

5. CHANGES AND DELAYS

- 5.1. Contractor shall not deviate from the Contract Documents except on written order of Owner, received by Contractor before beginning any deviation.
- 5.2. Owner may make written changes in the Contract Documents which may add to or deduct from the Contract Work without invalidating this Agreement. All work outside the scope of the Contract Work to which Contractor is directed to perform by Owner or Owner's authorized representative without an agreement as to the price for the work shall be preserved and resolved through the dispute resolution clause in Section 14 of this Agreement.

- 5.3. Unless a written Construction Change Directive has been issued to Contractor by Owner directing that certain work be performed prior to agreement on extra compensation and/or time or in the event of a dispute as to whether the work is within the original Scope of Work, no extra compensation for extra work, materials or any time extension shall be allowed unless a written Change Order has been signed by Owner, nor shall Contractor proceed with extra work without a written Change Order signed by Owner. Compensation for any work added by a Change Order shall be in accordance with unit prices, applicable add/alternate prices, a lump sum price, or with the prior approval of Owner, shall be performed on a time and material basis with a detailed account of labor and material costs associated with the work.
- 5.4. Recovery by Contractor for delays caused by Owner shall be limited to time extensions only as set forth in an executed Change Order. Contractor shall not be entitled to damages or compensation for any losses on account of delay from any cause whatsoever, including, but not limited to, any act, neglect, omission, default or failure of performance by Owner or separate contractors, failure to obtain required materials, delay in obtaining permits, or other conditions.
- 5.5. If materials are not delivered promptly, Owner may expedite or substitute delivery of material to be supplied by Contractor and back charge Contractor for any costs incurred.

6. PROTECTION OF THE WORK AND EMPLOYEES; SUPERVISION AT THE PROJECT SITE

- 6.1. Until the Contract Work is complete, Contractor shall effectively secure and protect the Contract Work and shall repair and/or replace all loss or damage to the Contract Work caused by the Contractor or anyone for whom Contractor is responsible.
- 6.2. Following completion of the Contract Work, Contractor shall be bound by the warranty obligations of Contractor and its subcontractors and suppliers.
- 6.3. Contractor shall at all times supply a sufficient number of skilled workers to perform the Contract Work in a timely and efficient manner. In addition, Contractor shall assign a competent person who shall supervise the performance of the Contract Work, be present at the Project Site at all times when Contract Work is being performed, and act as Contractor's representative at the Project Site for the purposes of coordinating Contractor's activities with those of the Owner and others at the Project Site.

7. BREACH AND REMEDIES

- 7.1. Contractor shall be deemed to be in material breach of this Agreement if Contractor: (i) fails to perform the Contract Work in strict accordance with the Contract Documents or task order; (ii) fails to provide competent supervision or a sufficient number of properly skilled workers; (iii) fails to supply sufficient material or equipment of proper quality; (iv) fails to correct nonconforming or defective work promptly; (v) fails to perform any terms of this Agreement; (vi) is unable to meet its debts or fails to pay promptly for labor, material or other obligations; (vii) becomes financially insecure; (viii) disregards any law, including, without limitation, the Environmental Laws (as defined in Section 8.5), rules, regulations or ordinances applicable to the Contract Work; (ix) by negligent act or omission causes delay or interference with Owner or separate contractors; (x) assigns this Agreement for any reason without the prior written consent of Owner; or (xi) performs or fails to perform any act the commission or omission of which is defined elsewhere in the Contract Documents as a material breach of this Agreement or which would constitute a material breach at common law.
- 7.2. In the event of Contractor's breach, Owner shall have the following remedies in addition to any other remedies available at law or in equity:
 - 7.2.1. Upon five (5) days' written notice to Contractor, Owner may declare Contractor in breach of this Agreement subject to the Contractor's right to cure, and after such time, the Owner may

(i) terminate the Agreement; (ii) after termination, employ one or more other contractors to complete the Contract Work; (iii) complete the Contract Work with its own forces; or (iv) employ some combination of the foregoing to complete the Contract Work. Upon Contractor's breach, Contractor shall assign all material, equipment, tools, services, and supplies, and all of Contractor's agreements and supply contracts to Owner for the purpose of assisting Owner's completion of the Contract Work by any of the foregoing means. Equipment and tools left on the Project Site subject to a security or rental agreement shall be returned to Contractor. Equipment or tools owned outright by Contractor left on the Project Site may be assigned to Owner upon the termination of this Agreement resulting from Contractor's breach of the Contract Documents for use to complete the Project.

7.2.2. Contractor shall remain liable to Owner for all costs incurred by Contractor in completing the Contract Work caused by Contractor's breach of the terms of this Agreement.

7.3. If Contractor breaches this Agreement, Contractor shall not be entitled to any further payments for Contract Work not completed until the Contract Work has been completed and accepted by Owner and all above-described expenses have been paid by Contractor to Owner. Contractor shall be liable to Owner for all costs of completion of the Contract Work that exceed the balance due under this Agreement, and Contractor shall promptly pay all valid amounts owed to Owner upon demand.

7.4. The Owner will be in breach of this Agreement and in default if any of the following events occur:

7.4.1. Owner fails or refuses to pay on time (generally within 60 days of acceptance of Payment Application) any monies due under the Contract Documents;

7.4.2. Owner fails or refuses to perform any obligation required under the Contract Documents;

7.4.3. Owner makes any assignment for the benefit of creditors or files any petition under any bankruptcy or debtor-relief law.

8. INDEMNITY

8.1. To the fullest extent permitted by law, Contractor shall indemnify, defend and hold harmless Owner, its respective employees, agents, officers, directors and representatives (collectively, the "Indemnified Parties") from, for, of, and against any and all claims, damages, losses, liabilities, demands, costs and expenses, including but not limited to attorneys' fees and litigation expenses arising out of or resulting from, in whole or in part, the performance of the Contract Work, or which are caused, in whole or in part, by any negligent act or omission of the Contractor, or by any of Contractor's subcontractors or suppliers, or anyone directly or indirectly employed by them. Excluded from this indemnity section is any claim attributable to the conduct and actions of the Owner or arising out of any non-delegable duty owed by the Owner.

8.2. To the fullest extent permitted by law, Owner shall indemnify and hold harmless Contractor and its agents, officers, directors and employees from, for, of, and against any and all claims, damages, losses, liabilities, demands, costs and expenses, including but not limited to attorneys' fees and litigation expenses attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property which are caused, in whole, by any negligent act or omission of Owner, or any of Owner's separate contractors, or anyone directly or indirectly employed by them.

8.3. Such obligations shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this section.

9. INSURANCE

- 9.1. Contractor shall purchase and maintain the following insurance for limits in amounts no less than set forth below:
- 9.1.1. GENERAL LIABILITY INSURANCE – PROPERTY DAMAGE AND BODILY INJURY: One Million Dollars (\$1,000,000) per Occurrence; Two Million Dollars (\$2,000,000) Aggregate Limit.
- 9.1.2. OWNED, HIRED AND NON-OWNED AUTOMOBILE LIABILITY INSURANCE: for Bodily Injury, Wrongful Death and Property Damage; One Million Dollars (\$1,000,000) per Occurrence; Two Million Dollars (\$2,000,000) Aggregate.
- 9.1.3. WORKERS COMPENSATION AND OCCUPATIONAL DISEASE: including Employer's Liability-Statutory Limit, such Employer's Liability limits for bodily injury by accident or disease to not be less than Five Hundred Thousand Dollars (\$500,000) each accident, Five Hundred Thousand Dollars (\$500,000) each employee and Five Hundred Thousand Dollars (\$500,000) policy limit.
- 9.1.4. UMBRELLA LIABILITY INSURANCE: Five Million Dollars (\$5,000,000) per Occurrence; Five Million Dollars (\$5,000,000) Aggregate.
- 9.1.5. POLLUTION LIABILITY INSURANCE: Two Million Dollars (\$2,000,000) policy limit.
- 9.2. All required insurance coverages listed above shall be written on an occurrence-basis, and shall be maintained continuously, without interruption, from the date of commencement of this Agreement until the completion of the Contract Work or the date of final payment for the Contract Work, whichever occurs later.
- 9.3. Certificates of insurance acceptable to Owner shall be submitted to Owner before commencement of the Contract Work. The certificates of insurance and the insurance policies required above shall include a provision stating that the insurance coverage under each policy shall not be cancelled or otherwise allowed to expire until at least thirty (30) days' advance notice has been given directly to Owner by the insurance company or companies.
- 9.4. The insurance policies required for general liability coverages, owned, hired and non-owned automobile liability coverage shall include Owner (City of Providence and the Providence Public Building Authority) as an additional insured and shall provide that these insurance coverages are primary and non-contributory in the event any additional insured is insured for the same coverages under another insurance policy or policies. Contractor shall provide copies of the endorsements from the carrier showing that these entities have been added as additional insured.
- 9.5. Nothing in the provisions of this Section shall modify, alter or otherwise affect the indemnity obligations of Contractor under Section 8 of this Agreement.

10. SAFETY

- 10.1. At its own expense and at all times, Contractor shall take all necessary precautions to protect persons and property at or adjacent to the Project Site from damage, loss, or injury resulting from performance of the Contract Work by the Contractor, its employees, subcontractors and others for whom Contractor is responsible.
- 10.2. If any accident occurs, person is injured, or property is damaged at or near the Project Site resulting from the performance of the Contract Work by Contractor, its employees, subcontractors or others for whom Contractor is responsible, Contractor shall immediately notify Owner both verbally and in writing.

- 10.3. Contractor shall maintain a safety program that complies with all applicable laws and shall comply with all specific safety requirements promulgated by any applicable governmental authority and the City of Providence, including without limitation, the requirements of the Occupational Safety and Health Act ("OSHA"). Copies of the program shall be furnished to the Owner upon request.
- 10.4. The Contractor shall submit a Life and Safety Plan prior to the execution of the Work including the Contractors COVID-19 Plan.

11. COMPLIANCE WITH LAWS

- 11.1. Contractor shall comply with all applicable federal, state, and local laws, codes, regulations and ordinances, including, but not limited to, the Fair Labor Standards Act, OSHA, workers compensation, social security, employment and wage and hour laws.
- 11.2. Contractor shall not discriminate in the employment or advancement of any employee or applicant because of race, national origin, sex, color, age, religion, creed, physical handicap, Veteran's status or any protected class.
- 11.3. Contractor shall maintain all records and accounts for the employment of labor and the furnishing of materials and supplies in accordance with proper accounting and record keeping procedures and with all federal, state, and local laws, codes, regulations and ordinances. Copies of such records shall be provided to Owner upon request.

12. PAYMENTS

- 12.1. For the satisfactory performance and timely completion of the Contract Work, Owner shall pay Contractor the Agreement Price, subject to additions and deductions as herein provided. Payment will be less the aggregate of previous payments.
- 12.2. As a condition precedent to Contractor's right to payment, Contractor shall submit to Owner pay applications in AIA format in MS Excel Format not locked based on an Owner Approved Schedule of Values containing the following, and no pay applications will be accepted or processed for payment without the following:
 - 12.2.1. Project Site name and address;
 - 12.2.2. Date of the Contract Work;
 - 12.2.3. CIP Number and Name
 - 12.2.4. Milestone of Project Completion or line item percent complete in Schedule of Values.
 - 12.2.5. MBE/WBE Utilization form
 - 12.2.6. Apprenticeship utilization reports
 - 12.2.7. Certified Payrolls
 - 12.2.8. Partial Lien Releases
 - 12.2.9. Cost Loaded Progress Schedule
 - 12.2.10. Digital Progress Photos (Labeled)
 - 12.2.11. Real time Punch List Items Addressed

- 12.3. Pencil pay applications shall be submitted digitally (unlocked MS Excel Format) to Owner on a thirty (30) day billing cycle, by. Owner shall have fourteen (14) days from receipt of a properly documented pay application to approve and certify the pay application. Owner shall review each line item independently and base payment approval on each line item. In no case shall a disputed line item constitute a rejection of an entire pay application. In the case of a disputed line item(s), payment shall be made for all other line items and disputed line item(s) shall be settled in accordance with Section 14. Owner shall generally issue payment within 60 days after the pay application is approved and certified.
- 12.4. Payment shall not be considered approval or acceptance of Contract Work or materials that do not comply with the Contract Documents.
- 12.5. Retainage in the amount of 5% will be withheld by the Owner until final completion and acceptance of the project. If the Contractor is from out of state, the 5% retainage shall be increased to 8%.
- 12.6. If labor, materials or other charges relating to the Contract Work are not being paid by Contractor when due, Owner may take all steps necessary to ensure such payments are made, including paying Contractor's bills directly, and charge such payments to Contractor.
- 12.7. Owner may reduce or delay payment to Contractor for any and all of the following reasons: (i) unsatisfactory job progress; (ii) defective work or materials not remedied; (iii) disputed work; (iv) failure of Contractor to comply with the provisions of this Agreement; (v) legitimate and non-frivolous third party claims filed or reasonable evidence that a legitimate and non-frivolous claim will be filed; (vi) failure of Contractor to make timely payments for labor, equipment and materials; (vii) damage to Owner or a separate contractor; (viii) reasonable evidence that the Agreement cannot be completed for the unpaid balance of the Agreement Price, (ix) failure to submit apprenticeship utilization reports, MBE/WBE utilization reports or updated construction schedule, or (x) punch lists not being addressed as project proceed (Real Time).
- 12.8. If Contractor's materialmen, suppliers, or subcontractors file a lien or other claim, or attempt to exercise any right or remedy against Owner, Owner's interest in the Project Site, or the Project Site, Contractor shall immediately remove the lien or other claim, by payment, bond, or otherwise. If Contractor fails to act on the notice of lien or claim as outlined above within thirty (30) days, the Owner may, in addition to its right to declare a material breach of this Agreement and exercise all rights and remedies, take whatever acts are necessary to remove the lien or resolve such claims and charge Contractor for the costs incurred.
- 12.9. Final payment to Contractor is conditioned upon and subject to the approval of the Contract Work by Owner. As a condition of final payment, Contractor shall provide to Owner "as built" drawings of the finished Project and all warranties, operating instructions and manuals and an agreement to hold Owner harmless from all claims, all in forms acceptable to Owner. Contractor also shall provide to Owner a lien waiver for labor and materials furnished by Contractor, its subcontractors and suppliers and from all lower tier subcontractors and suppliers who have served preliminary lien notices on Owner or Contractor. The Contractor shall provide consent of the Surety Company as well.
- Acceptance of final payment shall act as a waiver and release of any and all claims by Contractor, except unknown claims for personal injury or property damage caused by Owner.
- 12.10. Final payment by the Owner shall in no way relieve the Contractor for liability for its obligations to repair or replace faulty or defective Contract Work discovered after final payment. All such defenses Contractor may have to such claims are preserved.

13. RIGHTS AND REMEDIES

13.1. Duties and obligations imposed by this Agreement and rights and remedies available hereunder shall be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available at law or in equity.

14. DISPUTES

14.1. Disputes to be resolved in accordance with the Rhode Island General Law Title 37, Chapter 37-16.

14.2. All claims, disputes, and other matters in question arising out of or relating to this contract or the performance or interpretation thereof shall be submitted to arbitration. Arbitration shall be commenced by a demand in writing made by one party to the contract upon the other within a reasonable time after the dispute, claim, or other matter in question arose but in no event after payment in full of the contract price has been made and accepted. The written demand shall contain a statement of the question to be arbitrated and a detailed statement of each item or matter in dispute and the name of the arbitrator appointed by that party. The other party to the contract within ten (10) days of the receipt of the written demand shall appoint an arbitrator and give notice in writing thereof to the party who commenced arbitration. The two (2) arbitrators appointed by the parties shall within ten (10) days of the date of the appointment of the second arbitrator select a third arbitrator who shall be designated as chairperson and who immediately shall give written notice to the parties of their appointment. The third arbitrator shall select a time, date, and place for hearing and give each party five (5) days' notice in writing thereof. The date for hearing shall not be more than fifteen (15) days after the date of appointment of the third arbitrator. The award shall be made promptly by the arbitrators and, unless otherwise agreed by the parties or specified by law, no later than thirty (30) days from the date of closing the hearing, or, if oral hearings have been waived, from the date of the transmittal of the final statements and proofs to the arbitrators. The award shall be in writing and shall be signed by a majority of the arbitrators. It shall be executed in the manner required by law. The arbitrator shall provide a written explanation of the reasoning for the award. In the event the party of whom arbitration is demanded shall fail to appoint their arbitrator within the time specified or the two (2) arbitrators appointed by the parties are unable to agree on an appointment of the third arbitrator within the time specified, either party may petition the presiding justice of the superior court to appoint a single arbitrator who shall hear the parties and make an award as provided herein. The petitioner shall give five (5) days' notice in writing to the other party before filing their petition.

15. GOVERNING LAW

15.1. This Agreement shall be governed by and construed under the laws of the State of Rhode Island, without regard to its conflicts of law principles.

16. ALL CHANGES TO AGREEMENT SHALL BE IN WRITING

16.1. This Agreement shall not be changed except by written agreement of Owner and Contractor.

17. LEGAL EFFECT

17.1. In the event any provision contained herein is found to be legally unenforceable, all other provisions of this Agreement shall remain in full force and effect as if the unenforceable provision was never made a part of this Agreement.

18. INTERPRETATION

18.1. This Agreement is the result of negotiations between the parties and, accordingly, shall not be construed for or against either party regardless of which party drafted this Agreement or any portion thereof.

19. NO PARTNERSHIP

19.1. Nothing contained herein shall, or shall be deemed to, create any relationship between the Parties other than that of Owner and Contractor.

20. FURTHER DOCUMENTS

20.1. The Parties shall execute and deliver all such documents and perform all such acts as reasonably requested by the other party from time to time, to carry out the matters contemplated by this Agreement.

21. RECORD KEEPING, AUDIT AND INSPECTION

21.1. Contractor shall retain all books and records pertaining to the provision of the Contract Work for a period of no less than five (5) years after completion of all Contract Work or the termination of this Agreement, whichever occurs earlier and shall, during such time, shall permit Owner and its designated representative(s) to audit, inspect and make copies of all such books and records so maintained by Contractor. Any such audit and inspection shall take place during normal business hours upon reasonable prior notice to Contractor. The right to audit and inspect shall survive the termination of the Agreement.

22. NOTICE

22.1. All notices to either party pursuant to this Agreement shall be in writing and signed by a duly authorized representative of the party giving such notice and shall be served either in person, by overnight delivery service or by certified mail, return receipt requested, to the respective address for each party given in the Agreement.

23. AUTHORITY

23.1. The individuals executing this Agreement on behalf of the parties represent they are duly authorized to sign on behalf of the parties and bind the Parties hereto.

24. COUNTERPARTS

24.1. This Agreement may be signed in counterparts.

25. NOTICES

25.1. No notice, consent, approval or other communication given in connection herewith shall be validly given, made, delivered or served unless in writing and delivered by hand, email, or by registered/certified United States mail to Owner or Contractor, as the case may be. Correspondence shall be delivered to the respective mailing and/or email addresses set forth below, or to such other addresses as either party may from time to time designate in writing and deliver to the other party. Notices, consents, approval or communications shall be deemed given or received 24 hours after deposit in the mail, or immediately if hand-delivered or sent by email transmission. All written correspondence shall be followed by a telephone call within 24 hours of sending to confirm that it was received by the other party.

If to Owner:

Martina Haggerty, Director of Special Projects
Department of Planning and Development
444 Westminister Street
Providence, RI 02903
401-680-8400
mhaggerty@providenceri.gov

If to PBBA:

William Marchetti, Jr.
Providence Public Buildings Authority
50 South Main Street, Suite 102
Providence, RI 02903
401-228-3611
bill@wemconsulting.com

If to Contractor:
[Contractor Info]

[SIGNATURES APPEAR ON FOLLOWING PAGES]

NOW, THEREFORE, the Parties execute this Agreement on the day and date listed in the Preamble.

CITY OF PROVIDENCE DEPARTMENT OF PLANNING
AND DEVELOPMENT

By: _____
Bonnie Nickerson, Director

Date: _____

[FIRM NAME]

By: _____

Name (Printed): _____

Title: _____

Date: _____

Approved as to form and correctness:

By: _____
Jeffrey Dana
City Solicitor

GENERAL CONDITIONS, PART I

Dean Street Bicycle & Pedestrian Improvements

PROVIDENCE, RHODE ISLAND

101. BRIEF SCOPE OF WORK

Dean Street Bicycle & Pedestrian Improvements have a project area of Pleasant Valley Parkway from Smith Street to Promenade Street. The work to be performed under this Contract includes, but is not limited to, all labor, material and equipment necessary to construct sidewalk and bikeway improvements on Pleasant Valley Parkway in the City of Providence, RI. Included in the work is the installation of new asphalt bikeway, concrete sidewalk, curb ramps, and detectable warning systems; removal and disposal of existing signs and installation of new signs; installation of pavement markings; traffic signal modifications; and all other incidentals necessary to execute the work complete in place and accepted within the limits of this contract to the satisfaction of the City.

102. DEFINITIONS

Whenever used in any of the Contract Documents, the following meanings shall be given to the terms defined:

- A. The term "Contract" means the Contract executed by the Owner and the Contractor, of which these GENERAL CONDITIONS PART I and II and III form a part.
- B. The term "Owner" means the **CITY OF PROVIDENCE, THE CITY OF PROVIDENCE DEPARTMENT OF PLANNING AND DEVELOPMENT (DPD)** and the **PROVIDENCE PUBLIC BUILDING AUTHORITY (PPBA)** which is authorized to undertake this Contract.
- C. The term "Contractor" means the person, firm or corporation entering into the Contract with the Owner to construct and install the improvements embraced in this Contract.
- D. The term "Project Area" means the site of the **DEAN STREET BICYCLE & PEDESTRAIN IMPROVEMENTS** within the City of Providence which are the specified Contract limits of the improvements contemplated to be constructed in whole or in part under this Contract. The Project Area shall be considered the City of Providence boundaries.

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- E. The term "Design Engineer" means **FUSS & O'NEILL, 317 IRON HORSE WAY, SUITE 204, PROVIDENCE RI, 02908, (401) 861-3070.**
- F. The term "Engineer" means McMahon Associates, 14 Breakneck Hill Road, Suite 201, Lincoln, RI 02865, Attn: Francisco Lovera, P.E., employed by the Local Public Agency for the purpose of directing or having in charge the work of Site Improvements embraced in this Contract, the said Engineer acting directly or indirectly through any Assistant Engineer having general charge of the work or through any assistant having immediate charge of a portion thereof limited by the particular duties entrusted to him
- The Design Engineer does not have unilateral authority and the Owner, the Design Engineer and the Engineer shall work collaboratively on all matters related to this Work.
- G. The term "Local Government" means the City of Providence, Rhode Island, within which the Project Area is situated.
- H. The term "Contract Documents" means and shall include the following: Executed Agreement, Addenda (if any), Invitation for Bids, Instructions to Bidders, Signed Copy of Bid, General Conditions Parts I and III, Special Conditions, Technical Specifications, and Drawings (as listed in the Schedule of Drawings).
- I. The term "Drawings" means the drawings listed in the Schedule of Drawings.
- J. The term "Technical Specifications" means that part of the Contract Documents which describes, outlines and stipulates: the quality of the materials to be furnished; the quality of workmanship required; and the methods to be used in carrying out the construction work to be performed under this Contract.
- K. The term "Addendum" or "Addenda" means any changes, revisions or clarifications of the Contract Documents which have been duly issued by the Owner to prospective Bidders prior to the time of receiving Bids.
- L. Wherever in the specifications or upon the contract drawings the words directed, required, permitted, ordered instructed, designated, considered necessary, or words of like import are used, it shall be understood that the direction, requirement, permission, order, instructions, designation or decision of the Owner is intended; where as shown, as indicated, as detailed or words of similar import are used, it shall be understood that reference to the drawings accompanying these specifications is made unless otherwise stated; and similarly the words approved, acceptable, satisfactory, or words of like import shall mean approved by, or acceptable, or satisfactory to the Owner. As used herein "provided" shall be understood to mean "provided complete in place", that is "furnished and installed complete".

103. SUPERINTENDENCE BY CONTRACTOR

- A. Except where the Contractor is an individual and gives their personal superintendence to the work, the Contractor shall provide a competent Superintendent and/or Project Manager, dedicated to the project and satisfactory to the Owner, on the work at all times during working hours with full authority to act on behalf of the Contractor. The Contractor shall also provide an adequate staff for the proper coordination and expediting of their work.

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- B. The Contractor shall lay out their own work and shall be responsible for all work executed under the Contract. The Contractor shall verify all figures and elevations before proceeding with the work and will be held responsible for any error resulting from failure to do so.

104. SUBCONTRACTS

- A. The Contractor shall not execute an agreement with any Subcontractor or permit any Subcontractor to perform any work included in this contract until they have submitted a non-collusion affidavit from the Subcontractor and have received written approval of such Subcontractor from the Owner. (See Non-Collusion Affidavit for Subcontractor in Bidding Documents section)
- B. No proposed Subcontractor shall be disapproved by the Owner except for cause.
- C. The Contractor shall be as fully responsible to the Owner for the acts and omissions of their Subcontractors, and of persons either directly or indirectly employed by them as they are for the acts and omissions of persons directly employed by them.
- D. The Contractor shall cause appropriate provision to be inserted in all subcontracts relative to the work to require compliance by each Subcontractor with the applicable provisions of the Contract for the improvements embraced in the Site Preparation.
- E. Nothing contained in the Contract shall create any contractual relation between any Subcontractor and the Owner.
- F. The Contractor shall have full control over their Subcontractors to deliver the project and/or elements of the project allowing the Contractor to perform the work timely. The Contractor shall not permit any Subcontractor from holding up the project due to unavailability or not wanting to perform small sections of Work. If a Subcontractor is not able to perform work in a timely manner, the Contractor shall replace them with a replacement Subcontractor approved by the Owner.
- G. The Contractor shall provide complete sets of items, such as, but not limited to, Contracts, Specifications, Drawings, Sketches and other applicable documents for both office and field use.

105. OTHER CONTRACTS

The Owner may award, or may have awarded, other contracts for additional work, and the Contractor shall cooperate fully with such other Contractor, by scheduling their own work with that to be performed under other Contracts as may be directed by the Owner. The Contractor shall not commit or permit any act, which will interfere with the performance of work by any other Contractor as scheduled.

106. FITTING AND COORDINATION OF THE WORK

The Contractor shall be fully responsible for the proper fitting of all work and for the coordination of the operations of all trades, Subcontractors, or materialmen engaged upon this Contract. The Contractor shall be prepared to guarantee to each of their Subcontractors the locations and measurements which they may require for the fitting of their work to all surrounding work.

107. MUTUAL RESPONSIBILITY OF CONTRACTORS

If, through acts or neglect on the part of the Contractor, any other Contractor or any Subcontractor shall suffer loss or damage on the work, the Contractor shall settle with such other Contractor or Subcontractor by agreement or arbitration, if such other Contractor or

Subcontractor will so settle. If such other Contractor or Subcontractor shall assert any claim against the Owner on account of any damage alleged to have been so sustained, the Owner will notify this Contractor, who shall defend at their own expense any suit based upon such claim, and, if any judgment or claims against the Owner shall be allowed, the Contractor shall pay or satisfy such judgment or claim and pay all costs and expenses in connections therewith.

108. PROGRESS SCHEDULE

The Contractor shall submit for approval immediately after execution of the Agreement, a carefully prepared Cost Loaded Progress Schedule (in PDF and Native Format), showing the proposed dates of starting and completing each of the various sections of the work, the anticipated monthly payments to become due the Contractor, and the accumulated percent of progress every two weeks. Every two weeks, the Contractor shall update and submit the progress schedules for review by the Owner. Failure to maintain the progress schedule will be cause to withhold payments due to the Contractor.

109. COMPENSATION AND PAYMENTS TO CONTRACTOR

A. Compensation:

1. The Owner will pay and the Contractor shall receive as full compensation for all work completed to date.
2. Unit prices shall be based on a schedule dividing the project into component parts, together with a quantity and price for each part such that the sum of the product prices and quantities will equal the Base Bid total. A final schedule shall be submitted by the Contractor for the approval of the Owner before the first estimate becomes due. A Schedule of Values shall be provided for the length of the project. Please be reminded, without this, the Contractor shall not be paid for materials in storage.
3. When base bid quantities are exceeded, they shall be added to the Schedule of Values as a new line item. The Contractor, Design Engineer, and the Owner all shall monitor overages versus those items coming in lower than estimated to assure that the budget health is not compromised.
4. The amount of the Contract (accepted bid prices) listed in the Bid is based on the estimated quantities and the unit and/or lump sum bid prices as set forth in the Bid. Actual work may result in greater or lesser quantities estimated. It is understood and agreed that the Contractor will accept as payment the actual measured quantities at the unit and/or lump sum bid prices as set forth in the accepted bid and may be considered for an adjustment as prescribed in accordance with the terms outlined in Section 109 hereof.
5. The estimated quantities given in the Bid (proposal) for the various items of work are given for the purpose of comparing proposals offered for the work under this contract and if it is found in the performance of the contract work that any or all of the said estimated quantities are not even approximately correct, the Contractor shall have no claim for anticipated profits, or for loss of profits or for increase in prices as listed in the accepted Bid because of the difference between the quantities of the various items of work actually done and the estimated quantities stated in the accepted Bid (proposal) except as provided for in Section 109 hereof.
6. It is understood that, except as otherwise specifically stated in the contract documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, superintendence, temporary construction of every nature, and all other services and facilities of every nature

whatsoever necessary to protect, execute, complete and deliver the work within the specified time.

7. Any work necessary to be performed after regular working hours, on Saturdays, Sundays and legal holidays, shall be performed by the Contractor without additional expense to the Owner.
8. Night work or work on Saturdays, Sundays and legal holidays shall be done only with the approval of the Providence Traffic Engineering Department.

B. Partial Payments:

1. The Contractor shall prepare their requisition for partial payment monthly, at a date to be specified by the Owner, and submit it digitally in a PDF and unlocked Excel document formats, to the Owner for their approval. The amount of the payment due the Contractor shall be determined by adding to the total value of work completed to date, the value of materials properly stored on the site and deducting (1) five percent (5%) of the total amount, to be retained until final payment and (2) the amount of all previous payments. If the Contractor is from out of state, the five percent retainage shall be increased to eight percent (8%). The total value of work completed to date shall be based on the actual quantities of work completed and on the unit prices contained in the agreement. For lump sum items the value of the work completed to date will be based on the actual amount of the work done and the schedule required to be submitted by the Contractor in Section 108. The value of materials properly stored on the site shall be based upon the estimated quantities of such materials and the invoice prices. Copies of all invoices shall be available for inspection by the Owner.
2. Monthly or partial payments made by the Owner to the Contractor are monies advanced for the purpose of assisting the Contractor to expedite the work of construction. The Contractor shall be responsible for the care and protection of all materials and work upon which payments have been made until final acceptance of such work and materials by the Owner. The Contractor shall obtain additional insurance for stockpiled materials. Such payments shall not constitute a waiver of the right of the Owner to require the fulfillment of all terms of the Contract and the delivery of all improvements embraced in this Contract complete and satisfactory to the Owner in all details.

THE OWNER, PRIOR TO MAKING EACH PAYMENT TO THE CONTRACTOR, shall require the Contractor to furnish releases or receipts from any or all persons / firms performing work and supplying material or services to the Contractor, or any Subcontractor, if this is deemed necessary to protect its interest. Additionally, the Contractor may be required to submit certified payrolls for any and all employees, including Subcontractors.

C. Final Payment:

1. After final inspection and acceptance by the Owner of all work under the Contract, the Contractor shall prepare their requisition for final payment which shall be based upon the carefully measured or computed quantity of each item of work at the applicable unit prices stipulated in the Agreement. The total amount of the final payment due the Contractor under this contract shall be the amount computed as described above less all previous payments. Final payment to the Contractor shall be made subject to their furnishing the Owner with a release in satisfactory form of all claims against the Owner arising under and by virtue of their contract, other than such claims, if any as may be specifically excepted by the Contractor from the operation of the release as provided under Section 112 hereof.

The Contractor shall retain consent of surety. This shall be submitted at the time of the final Payment requisition.

The Owner, before paying the final estimate, may require the Contractor to furnish releases or receipts from all Subcontractors having performed any work and all persons having supplied materials, equipment (installed on the Project) and services to the Contractor, if the Owner deems the same necessary in order to protect its interest. The Owner, however, may if it deems such action advisable, make payment in part or in full to the Contractor without requiring the furnishing of such releases or receipts and any payments so made shall in nowise impair the obligations of any surety or sureties furnished under this Contract.

Withholding of any amount from the Owner under Section 303, entitled "Liquidated Damages", under SPECIAL CONDITIONS, shall be deducted from the final payment due the Contractor.

D. Withholding Payments:

1. The Owner may withhold from any payment otherwise due the Contractor so much as may be necessary to protect the Owner and if it so elects may also withhold any amounts due from the Contractor to any Subcontractors or material dealers, for work performed or material furnished by them. The foregoing provisions shall be construed solely for the benefit of the Owner and will not require the Owner to determine or adjust any claims or disputes between the Contractor and their Subcontractors or material dealers, or to withhold any monies for their protection unless the Owner elects to do so. The failure or refusal of the Owner to withhold any monies from the Contractor shall in nowise impair the obligations of any surety or sureties under any bond or bonds furnished under this Contract.
2. Certified Payroll
3. WBE and DBE
4. Liens Releases
5. Supporting information to review invoices
6. Incomplete Work
7. Not Addressing REAL TIME punch lists

E. Payments Subject to Submission of Materials Certificates and Materials Testing:

1. Each payment to the Contractor by the Owner shall be made subject to submission by the Contractor of all written certifications required of him and their Subcontractors. Materials and associated bid items found to be deficient by the City's third-party testing agency will not be paid until defective materials have been replaced.

F. Payments Subject to Reporting Requirements:

1. Each payment to the Contractor by the Owner shall be made after satisfactory reporting is submitted for First Source, Apprenticeship Utilization, MBE/WBE utilization and any other reporting as stated at the pre-construction meeting. Payment to the Contractor by the Owner is also contingent upon receipt of updated and accurate project construction schedules.

G. Payments Subject to Certified Payroll Requirements:

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1. Complete and executed certified payroll statements are required to be submitted with all invoice requests. Failure to do so will result in non-payment until certified payrolls are received.

H. Payments Subject to Progress Schedule

1. Each payment to the Contractor by the Owner shall be made subject to submission of a current, accurate and reasonable progress schedule. Failure to do so will result in non-payment until a progress schedule is received and accepted.

110. CHANGES IN THE WORK

- A. The Owner may make changes in the scope of the work required to be performed by the Contractor under the Contract or making additions thereto, or by omitting work therefrom, without invalidation of the Contract, and without relieving or releasing the Contractor from any of their obligations under the Contract or any guarantee given by him pursuant to the Contract provisions, and without affecting the validity of the guaranty bonds, and without relieving or releasing the surety or sureties of said bonds. All such work shall be executed under the terms of the original Contract unless it is expressly provided otherwise.
- B. Except for the purpose of affording protection against any emergency endangering health, life, limb or property, the Contractor shall make no change in the materials used or in the specified manner of constructing and/or installing the improvements or supply additional labor, services or materials beyond that actually required for the execution of the Contract, unless in pursuance of a written order from the Owner authorizing the Contractor to proceed with the change. No claim for an adjustment of the Contract Price will be valid unless so ordered.
- C. If applicable unit prices are contained in the Agreement (established as a result of either a unit price bid or a Supplemental Schedule of Unit Prices) the Owner may order the Contractor to proceed with desired changes in the work, the value of such changes to be determined by the measured quantities involved and the applicable unit prices specified in the Contract; provided that in case of a unit price contract the net value of all changes does not increase or decrease the original total amount shown in the Agreement by more than **twenty-five percent (25%)** in accordance with the Section entitled Unit Prices, Supplemental Unit Prices and Alternates under INSTRUCTIONS TO BIDDERS.
- D. If applicable unit prices are not contained in the Agreement or if the total net change increases or decreases the total Contract Price more than **twenty-five percent (25%)** the Owner shall, before ordering the Contractor to proceed with desired changes, request an itemized proposal from him covering the work involved in the change after which the procedure shall be as follows:
 1. If the proposal is acceptable, the Owner will prepare the change order in accordance with Paragraph E below for acceptance by the Contractor, and

If the proposal is not acceptable and prompt agreement between the two parties cannot be reached, the Owner may order the Contractor to proceed with the work on a cost-plus-limited basis, defined as the net cost of the Contractor's labor, materials and insurance plus fifteen percent (15%) of said net cost to cover overhead and profit, the total cost not to exceed a specified limit.
- E. Each change order shall include in its final form:

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1. A detailed description of the change in the work.

The Contractor's proposal (if any) or a conformed copy thereof.

A definite statement as to the resulting change in the contract price and/or time.

The statement that all work involved in the change shall be performed in accordance with Contract requirements except as modified by the change order.

- F. The Contractor shall be allowed a markup on any additional work not accounted for, as follows:
 1. The Contractor shall consider a markup of cost of work plus general conditions at three percent (3%) plus overhead and profit at nine percent (9%).
 2. The Subcontractor shall consider a markup of cost of work plus general conditions at three percent (3%) plus overhead and profit at nine percent (9%).
 3. The Contractor's markup on Subcontractors shall be five percent (5%).
 4. Labor and equipment rates shall be as provided as part of the original Bid document.

111. CLAIMS FOR EXTRA COST

- A. If the Contractor has any claims for additional cost or extension of time, they shall, within three days after the occurrence of the claim, and in any event before proceeding to execute the work, submit their claim in writing to the Owner, stating clearly in detail the basis of the claim. No such claim will be considered unless so made.
- B. Claims for additional compensation for extra work, due to alleged errors in ground elevations, contour lines, or bench marks, will not be recognized unless accompanied by certified survey data, made prior to the time the original ground was disturbed, clearly showing that errors exist which resulted, or would result, in handling more material, or performing more work, than would be reasonably estimated from the Drawings and maps issued.
- C. Any discrepancies which may be discovered between actual conditions and those represented by the Drawings and maps shall at once be reported to the Owner and work shall not proceed except at the Contractor's risk, until written instructions have been received by him from the Owner.
- D. If, on the basis of the available evidence, the Owner determines that an adjustment of the Contract Price and/or Time is justifiable, the procedure shall be as provided in Section 109 hereof.

112. TERMINATION, DELAYS, AND LIQUIDATED DAMAGES

- A. **Termination of Contract:** If the Contractor or any of their Subcontractors refuses or fails to prosecute the work with such diligence as will ensure its completion within the time specified in these Contract Documents, or as modified as provided in these Contract Drawings, or violates any other Provisions of this Contract, the Owner, by written notice to the Contractor, may terminate the Contractor's right to proceed with the work. Upon such termination, the Owner may take over the work and prosecute the same to completion, by contract or otherwise, and the Contractor and their sureties shall be liable to the Owner for any additional cost incurred by the Owner in its completion of the work and they shall also be liable to the Owner for liquidated

damages for any delay in the completion of the work as provided below. If the Contractor's right to proceed is so terminated, the Owner may take possession of and utilize in completing the work such materials, tools, equipment, and plant as may be on the site of the work and necessary therefor.

- B. **Liquidated Damages for Delays:** If the work is not completed within the time stipulated in the SPECIAL CONDITIONS, Section 302, including any extensions of time for excusable delays as herein provided, the Contractor shall pay to the Owner as fixed, agreed, and liquidated damages for each calendar day of delay, until the work is completed, the amount as set forth in SPECIAL CONDITIONS, Section 303, and the Contractor and their sureties shall be liable to the Owner for the amount thereof.
- C. **Excusable Delays:** An excusable delay is defined as a delay to the Contract or Milestone/phase completion date which was unforeseeable and beyond the Contractor's control and not caused by the Contractor's fault or negligence and for which a Contract or Milestone time extension may be granted by the Owner. Excusable delays include the following:
1. Acts of the Government, including controls or restrictions upon or requisitioning of materials, equipment, tools, or labor by reason of war, National Defense, or any other national emergency;
 2. Acts of the Owner;
 3. Causes not reasonably foreseeable by the parties to this Contract at the time of the execution of the Contract which are beyond the control and without the fault or negligence of the Contractor, including, but not restricted to acts of God or of the public enemy, acts of another Contractor in the performance of some other contract with the Owner, fires, floods, epidemics, pandemics, quarantine, restriction, strikes, freight embargoes, and weather of unusual severity such as hurricanes, tornadoes, cyclones, and other extreme weather conditions; and
 4. Any delay of any Subcontractor occasioned by any of the causes specified in subparagraphs (1), (2) and (3) of this paragraph "C". Provided, however, that the Contractor promptly notify the Owner within three (3) days in writing of the cause of the delay. Upon receipt of such notification the Owner shall ascertain the facts and the cause and extent of delay. If, upon the basis of the facts and the terms of this contract, the delay is properly excusable, the Owner shall extend the time for completing the work for a period of time commensurate with the period of excusable delay.

113. ASSIGNMENT OR NOVATION

The Contractor shall not assign or transfer, whether by an assignment or novation, any of its rights, duties, benefits, obligations, liabilities, or responsibilities under this Contract without the written consent of the Owner's sole discretion.

114. DISPUTES

- A. Disputes to be resolved in accordance with the Rhode Island General Law Title 37, Chapter 37-16.
- B. All claims, disputes, and other matters in question arising out of or relating to this contract or the performance or interpretation thereof shall be submitted to arbitration. Arbitration shall be commenced by a demand in writing made by one party to the

contract upon the other within a reasonable time after the dispute, claim, or other matter in question arose but in no event after payment in full of the contract price has been made and accepted. The written demand shall contain a statement of the question to be arbitrated and a detailed statement of each item or matter in dispute and the name of the arbitrator appointed by that party. The other party to the contract within ten (10) days of the receipt of the written demand shall appoint an arbitrator and give notice in writing thereof to the party who commenced arbitration. The two (2) arbitrators appointed by the parties shall within ten (10) days of the date of the appointment of the second arbitrator select a third arbitrator who shall be designated as chairperson and who immediately shall give written notice to the parties of their appointment. The third arbitrator shall select a time, date, and place for hearing and give each party five (5) days' notice in writing thereof. The date for hearing shall not be more than fifteen (15) days after the date of appointment of the third arbitrator. The award shall be made promptly by the arbitrators and, unless otherwise agreed by the parties or specified by law, no later than thirty (30) days from the date of closing the hearing, or, if oral hearings have been waived, from the date of the transmittal of the final statements and proofs to the arbitrators. The award shall be in writing and shall be signed by a majority of the arbitrators. It shall be executed in the manner required by law. The arbitrator shall provide a written explanation of the reasoning for the award. In the event the party of whom arbitration is demanded shall fail to appoint their arbitrator within the time specified or the two (2) arbitrators appointed by the parties are unable to agree on an appointment of the third arbitrator within the time specified, either party may petition the presiding justice of the superior court to appoint a single arbitrator who shall hear the parties and make an award as provided herein. The petitioner shall give five (5) days' notice in writing to the other party before filing their petition.

115. TECHNICAL SPECIFICATIONS AND DRAWINGS

Anything mentioned in the Technical Specifications and not shown on the Drawings or shown on the Drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown on or mentioned in both. In case of difference between Drawings and Technical Specifications, the Technical Specifications shall govern. In case of any discrepancy in Drawings, or Technical Specifications, the matter shall be immediately submitted to the Owner, without whose decision, said discrepancy shall not be adjusted by the Contractor, save only at their own risk and expense.

116. ADDITIONAL INSTRUCTIONS AND DETAIL DRAWINGS

It shall be the responsibility of the Contractor to make timely requests of the Owner for any additional information not already in their possession which should be furnished by the Owner under the terms of this Contract, and which he will require in the planning and execution of the work. Such requests may be submitted from time to time as the need is approached, but each shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay. The additional drawings and instructions thus supplied to the Contractor will coordinate with the Contract and instructions thus supplied to the Contractor will coordinate with the Contract Documents and will be so prepared so that they can be reasonably interpreted as part thereof. The Contractor shall carry out the work in accordance with the additional detail drawings and instructions. The Contractor and the City will prepare jointly a schedule, fixing the dates at which special detail drawings will be required, such drawings if any, to be furnished by the City in accordance with said schedule, and a schedule fixing the respective dates for the submission of shop drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment, and the completion of the various parts of the work; each such schedule to be subject to change from time to time in accordance with the progress of the work. The Contractor shall, if requested, furnish promptly any assistance and information the City may require in responding to these requests of the Contractor. The Contractor shall be fully responsible for any delay in their work or to others arising from their failure to comply fully with the provisions of this Section.

117. SHOP DRAWINGS

- A. The Contractor shall submit promptly to the Owner each shop drawing, machinery or equipment details, layout drawings, or setting drawing, etc., prepared in accordance with the schedule predetermined as aforesaid. After examination of such drawings by the Owner and returned approval/denial, the Contractor shall make such corrections to the drawings as have been indicated and shall submit new shop drawings. Regardless of corrections made in or approval given to such drawings by the Owner, the Contractor will nevertheless be responsible for the accuracy of such drawings and for their conformity to the drawings and specifications, unless they notify the Owner in writing of any deviations at the time they furnish such drawings.
- B. The Contractor is required to have a portal to provide the Owner access to shop drawing documents. The portal shall be maintained for five years. The Owner shall be afforded administrative access. Five (5) seats shall be provided to the Owner.
- C. Shop drawings of all fabricated work shall be submitted to the Owner for approval and no work shall be fabricated by the Contractor save at their own risk until approval has been given.
- D. The Contractor shall submit all shop and setting drawings and dates sufficiently in advance of requirements to enable the Owner ample time for checking same, including time for correction, resubmission and recheck if necessary, and no claim for delay will be granted the Contractor by reason of their failure in this respect.
- E. All shop drawings submitted must bear the stamp of approval of the Contractor as evidence that the Drawings have been checked by the Contractor. Any drawings submitted without this stamp of approval will not be considered and will be returned to the Contractor for resubmission. If the shop drawings show variations from the requirements of the Contract Documents because of standard shop practice or other reason, the Contractor shall make specified mention of such variation in their letter of transmittal in order that, if acceptable, suitable action may be taken for proper adjustment; otherwise the Contractor will not be relieved of the responsibility for executing the work in accordance with the contract documents even though such shop drawings have been approved.
- F. Where shop drawings are submitted by the Contractor that indicate a departure from the Contract which the Owner deems to be a minor adjustment in their interest and not involving a change in the Contract price or extension of time, the Owner may approve the drawings by the approval will contain, in substance, the following:

The modification shown on the attached drawings is approved in the interest of the Owner to effect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract price or time; that it is subject generally to all Contract stipulations and covenants; and that it is without prejudice to any and all rights of the Owner under the contract and surety bond or bonds.
- G. The approval of shop drawings will be general and shall not relieve the Contractor from the responsibility for adherence to the Contract nor shall it relieve him of the responsibility for any error which may exist.
- H. The Contractor agrees to hold the Owner harmless and defend them against damages or claims for damages arising out of injury to others or property of third persons which result from errors on shop, working or setting drawings whether or not the same have been approved by the Owner.

118. MATERIALS AND WORKMANSHIP

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- A. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the Technical Specifications as "equal to" any particular standard, the Owner shall decide the question of equality. Whenever a material or article required is specified or shown on the drawings by using the name of the proprietary product or of a particular manufacturer or vendor, any material or article which will perform adequately the duties imposed by the general design may be considered equal and satisfactory providing the material or article so proposed is of equal substance and function in the opinion of the Owner. It shall not be purchased or installed without their written approval. In all cases, new material shall be used in the project. If two or more brands, makes or material, devices or equipment are shown or specified, each should be regarded as the approved equal of the other. Any other brand, make of material, device or equipment, which in the opinion of the Owner or their authorized agent, is the recognized approved equal of that specified, considering quality, workmanship and economy of operation and is suitable for the purpose intended, may be accepted.
 - B. The Contractor shall furnish to the Owner for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which he proposes to incorporate in the work.
 - C. Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejection.
 - D. Materials specified by reference to the number or symbol of a specific standard, such as an A.S.T.M. Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof any amendment or supplement thereto in effect on the date of the invitation for Bids, except as limited to type, class or grade, or modified in such reference. The Standards referred to, except as modified in the Technical Specifications shall have full force and effect as though printed therein.
 - E. The Owner may require the Contractor to dismiss from the work such employee or employees as the Owner may deem incompetent, or careless, or insubordinate.

119. SAMPLES, CERTIFICATIONS AND TESTS

- A. The Contractor shall submit all material or equipment samples, certificates, affidavits, etc., as called for in the Contract Documents, or required by the Owner, promptly after award of the Contract and acceptance of the Contractor's bond. No such material or equipment shall be manufactured or delivered to the site, except at the Contractor's own risk, until the required samples or certificates have been approved in writing by the Owner. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the Contract time.

Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The accompanying certificate or letter from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer and all specifications or other detailed information which will assist the Owner in passing upon the acceptability of the sample promptly. It shall also include the statement that all

materials or equipment furnished for use in the project will comply with the samples and/or certified statements.

- B. Approval of any materials shall be general only, and shall not constitute a waiver of the Owner's right to demand full compliance with the Contract Documents after actual deliveries, the Owner will have such check tests made as they deem necessary in each instance and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval. If materials, equipment or accessories which fail to meet check tests have been incorporated in the work, the Owner will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.
- C. Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:
 - 1. The Contractor shall furnish without extra cost, including packing and delivery charges, all samples required for testing purposes, except those samples taken on the project by the Owner or testing agency, however, the Contractor shall cooperate with and assist the Owner or testing agency in the taking of samples on the project where the taking of samples is deemed necessary by the Owner.
 - 2. The Contractor shall assume all costs of retesting materials which fail to meet contract requirements. The Contractor shall assume all costs of testing materials offered in substitution for those found deficient. All other expenses for testing of materials will be paid for by the Owner.
- D. Testing and inspection of the various materials, equipment, or articles, etc., heretofore mentioned shall be performed by testing agency or agencies selected by the Owner.
- E. Payments to the testing agency or agencies shall be paid for by the Local Owner.

120. PERMITS AND LICENSES

- A. The Contractor shall give all notices required by and comply with all applicable laws, ordinances, standard requirements, and codes of the Local Government. All construction work and/or utility installation shall comply with all applicable ordinances, standard requirements, and codes including all written waivers. Before installing any work, the Contractor shall examine the Drawings and Technical Specifications for compliance with applicable ordinances, standard requirements and codes and shall immediately report any discrepancy to the Owner. Where the requirements of the Drawings and Technical Specifications fail to comply with such applicable ordinances, standard requirements, or codes, the Owner will adjust the Contract by Change Order to conform to such ordinances, standard requirements, or codes (unless waivers in writing covering the difference have been granted by the governing body or department) and make appropriate adjustment in the Contract Price or stipulated prices. Should the Contractor fail to observe the foregoing provisions and proceed with the construction and/or install any utility at variance with any applicable ordinance, standard requirement, or code, including any written waivers (notwithstanding the fact that such installation is in compliance with the Drawings and Technical Specifications), the Contractor shall remove such work without cost to the Owner, but a Change Order will be issued to cover only the excess cost the Contractor would have been entitled to receive if the change had been made before the Contractor commenced work on the items involved.
- B. The Contractor shall, at their own expense, secure and pay to the appropriate department of the Local Government the fees or charges for all permits for street

pavement, sidewalks, sheds, removal of abandoned water taps, sealing of house connection drains, pavement cuts, buildings, electrical, plumbing, water, gas and sewer permits required by the local regulatory body or any of its agencies. The required permits shall be those set forth in SPECIAL CONDITIONS, Section 367.

- C. The Contractor shall comply with applicable local laws and ordinances governing the disposal of surplus excavation, materials, debris and rubbish on or off the Project Area and commit no trespass on any public or private property in any operation due to or connected with the Improvements embraced in this Contract.

121. CARE OF WORK

- A. The Contractor shall be responsible for all damages to person or property that occur as a result of their fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the Owner.
- B. The Contractor shall provide at their own expense sufficient competent watchmen, both day and night, including Saturday, Sundays, and holidays, from the time the work is commenced until final completion and acceptance.
- C. In an emergency affecting the safety of life, limb or property, including adjoining property, the Contractor, without special instructions or authorization from the Owner, is authorized to act at their discretion to prevent such threatened loss or injury, and he shall so act. He shall likewise act if instructed to do so by the Owner. Any compensation claimed by the Contractor on account of such emergency work will be determined by the Owner as provided in the GENERAL CONDITIONS, PART 1, Section 109.
- D. The Contractor shall avoid damage as a result of their operations to existing sidewalks, streets, curbs, pavements, utilities (except those which are to be replaced or removed), adjoining property, etc., and he shall at their own expense completely repair any damage thereto caused by their operations.
- E. The Contractor shall shore up, brace, underpin, secure, and protect as may be necessary, all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be in any way affected by the excavations or other operations connected with the construction of the Improvements embraced in this Contract. The Contractor shall be responsible for giving of any and all required notices to any adjoining or adjacent property owner or other party before the commencement of any work. The Contractor shall indemnify and save harmless the Owner from any damages on account of settlements or the loss of lateral support of adjoining property and from all loss or expense and all damages for which the Owner may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.

122. ACCIDENT PREVENTION AND JOB SAFETY

- A. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of their prosecution of the work. The safety provisions of applicable laws and building and construction codes shall be observed and the Contractor shall take or cause to be taken such additional safety and health measures as the Owner may determine to be reasonable necessary. Further, the Contractor shall comply, and shall cause all Subcontractors to comply with all applicable provisions of the U.S. Department of Labor "Williams-Steiger Occupational Safety and Health Act of 1970."

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- B. The Contractor shall maintain an accurate record of all cases of death, occupational disease, or injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment on work under the Contract. The Contractor shall promptly furnish the Owner with reports concerning these matters.
 - C. The Contractor shall indemnify and save harmless the Owner from any claims for damages resulting from property damage, personal injury and/or death suffered or alleged to have been suffered by any person as a result of any work conducted under this contract.
 - D. Upon execution of the Contract, the Contractor shall provide their Safety Program to the Owner.

123. SANITARY FACILITIES

- A. The Contractor shall furnish, install, and maintain ample sanitary facilities for the workmen. As the needs arise, a sufficient number of enclosed temporary toilets shall be conveniently placed as required by the sanitary codes of the State and Local Government. Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing and governing health regulations.
- B. Sanitary facilities shall not be placed in the public right-of-way.

124. USE OF PREMISES

- A. The Contractor shall confine their equipment, storage of materials, and construction operations to the Contract Limits as shown on the Drawings and as prescribed by ordinances or permits, or as may be desired by the Owner, and shall not unreasonably encumber the site or public rights-of-way with their materials and construction equipment.
- B. The Contractor shall comply with all reasonable instructions of the Owner and the ordinances and codes of the Local Government, regarding signs, advertising, traffic, fires, explosives, danger signals and barricades.
- C. The Contractor is not permitted to store equipment or stockpiles in the public right-of-way.

125. REMOVAL OF DEBRIS, CLEANING, ETC.

The Contractor shall, periodically or as directed during the progress of the work, remove and legally dispose of all surplus excavated material and debris, and keep the Project Area and public rights-of-way reasonably clear. Upon completion of the work, he shall remove all temporary construction facilities, debris and unused materials provided for the work and put the whole site to the work and public rights-of-way in a neat and clean condition. No trash burning will be permitted on the site of the work. The Contractor shall obey all Owner and existing State and local regulations.

126. INSPECTION

- A. All materials and workmanship shall be subject to inspection, examination, or test by the Owner at any and all times during manufacture or construction and at any and all places where such manufacture or construction is carried on. The Owner shall have the right to reject defective material and workmanship or require its correction.

Unacceptable workmanship shall be satisfactorily corrected. Rejected material shall be promptly segregated and removed from the Project Area and replaced with material of specified quality without charge therefor. If the Contractor fails to proceed at once with the correction of rejected workmanship or defective material, the Owner may by Contract or otherwise have the defects remedied or rejected materials removed from the Project Area and charge the cost of the same against any monies which may be due the Contractor, without prejudice to any other rights or remedies of the Owner.

- B. The Contractor shall furnish promptly all materials reasonably necessary for any tests which may be required. (See Section 118 hereof.) All tests by the Owner will be performed in such manner as not to delay the work unnecessarily and will be made in accordance with the provisions of the Technical Specifications.
- C. The Contractor shall notify the Owner sufficiently in advance of backfilling or concealing any facilities to permit proper inspection. If any facilities are concealed without approval or consent of the Owner, the Contractor shall uncover for inspection and recover such facilities all at their own expense, when so requested by the Owner. Should it be considered necessary or advisable by the Owner at any time before final acceptance of the entire work to make an examination of work already completed by uncovering the same, the Contractor shall on request promptly furnish all necessary facilities, labor, and material. If such work is found to be defective in any important or essential respect, due to fault of the Contractor or their Subcontractors, the Contractor shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and material necessarily involved in the examination and replacement, plus 15% of such costs to cover superintendence, general expenses and profit, shall be allowed the Contractor and he shall, in addition, if completion of the work of the entire Contract has been delayed thereby, be granted a suitable extension of time on account of the additional work involved.
- D. Inspection of materials and appurtenances to be incorporated in the Improvements embraced in this Contract may be made at the place of production, manufacture or shipment, whenever the quantity justifies it, and such inspection and acceptance, unless otherwise stated in the Technical Specifications, shall be final except as regards (1) latent defects, (2) departures from specific requirements of the Contract, (3) damage or loss in transit, or (4) fraud or such gross mistakes as amount to fraud. Subject to the requirements contained in the preceding sentence, the inspection of materials as a whole or in part will be made at the Project Site.
- E. Neither inspection, testing, approval nor acceptance of the work in whole or in part, by the Owner or its agents shall relieve the Contractor or their sureties of full responsibility for materials furnished or work performed not in strict accordance with the Contract.

127. REVIEW BY OWNER

The Owner, its authorized representatives and agents and the Representative for the Secretary shall at all times have access to and be permitted to observe and review all work, materials, equipment, payrolls, personnel records, employment conditions, material invoices, and other relevant data and records pertaining to this Contract, provided, however, that all instructions and approval with respect to the work will be given to the Contractor only by the Owner through its authorized representatives or agents.

128. FINAL INSPECTION

When the Improvements embraced in this Contract are substantially completed, the Contractor shall notify the Owner in writing that the work will be ready for final inspection on a definite date which shall be stated in the notice. The notice will be given at least ten (10) days prior to the date stated for final inspection, and bear the signed concurrence of the representative of the Owner having charge of inspection. If the Owner determines that the status of the improvements is as represented, it will make the arrangements necessary to have final inspection commenced on the date stated in the notice, or as soon thereafter as is practicable. The inspection party will also include the representatives of each department of the Local Government.

129. CORRECTION OF WORK

All work, all materials, whether incorporated in the work or not, all processes of manufacture, and all methods of construction shall be at all times and places subject to the inspection of the Owner who shall be the final judge of the quality and suitability of the work, materials, processes of manufacture and methods of construction for the purposes for which they are used. Should they fail to meet their approval they shall be forthwith reconstructed, made good, replaced and/or corrected, as the case may be, by the Contractor, at their own expense. Rejected material shall immediately be removed from the site. If, in the opinion of the Owner, it is undesirable to replace any defective or damaged materials or to reconstruct or correct any portion of the work injured or not performed in accordance with the Contract Documents, the compensation to be paid to the Contractor hereunder shall be reduced by such amount as in the judgment of the Owner shall be equitable. The Contractor shall be responsible for all costs associated with correction of work, including but not limited to police details, construction management/inspection, Traffic Engineering fees and materials testing.

130. INSURANCE

Schedule A5 – Department of Transportation Projects: As contained in the State of Rhode Island Department of Transportation’s Standard Specifications for Road and Bridge Design document commonly referenced as the Rhode Island Department of Transportation’s “Blue Book” located at www.dot.ri.gov/business/bluebook.php and as required below. If the Blue Book’s insurance requirements and the following insurance requirements conflict, the larger requirement shall control.

Required Insurance: Contract Party shall procure Required Insurance as defined herein:

- A. At the sole cost and expense of Contract Party.
- B. Obtain and maintain such Required Insurance in full force and effect during the entire term of the Contract until all obligations of Contract Party have been discharged, including any warranty periods or extended reporting periods, against claims that may arise out of, are alleged to arise out of, directly or indirectly, in whole or in part, from or in connection with the Contract and/or result from the performance of the Contract.
- C. Any deductible, self-insured retention, or form of self-insurance under the policies shall be the sole responsibility of the Contract Party and shall be disclosed to and acceptable to the State authorized personnel.
- D. Any required liability insurance policy that is to insure any form of products liability and/or completed operations exposure created by Contract Party must provide extended coverage as follows:
 1. When required liability insurance policy uses “Occurrence” coverage trigger (Including that known as “Reported Occurrence”):

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- i. Policy issued by same insurer for Contract Party as of effective date of Contract between State and Contract Party or by comparable insurer providing renewal insurance policy of 1-same coverage terms and conditions of prior expired policy or 2-coverage at least equal to that required by Contract.
 2. Such coverage must be provided for a period of not less than five (5) years after the later of:
 - i. when the Contract has ended; or
 - ii. when products or services have been put to intended use; or
 - iii. when hardware, software, buildings, other physical structures or repairs have been put to intended use.
 3. Such required insurance can be provided by annual insurance policies or by single runoff policy commonly referred to as “discontinued products or operations.”
 - E. When required liability insurance policy uses any form of “claims-first made trigger:”
 1. Policy issued by same insurer for Contract Party as of effective date of Contract between State and Contract Party or by comparable insurer providing renewal insurance policy of 1-same coverage terms and conditions of prior expired policy or 2-coverage at least equal to that required by Contract.
 2. Provide coverage with a retroactive date on or before the effective date of the Contract or at the beginning of Contract work.
 3. Such coverage must be provided for a period of not less than five (5) years after the later of:
 - i. when the Contract has ended; or
 - ii. when products or services have been put to intended use; or
 - iii. when hardware, software, buildings, other physical structures or repairs have been put to intended use.
 4. Such required insurance can be provided by annual insurance policies or by single runoff policy commonly referred to as “discontinued products or operations”.
 5. If “claims-first made” liability insurance policy is cancelled or not renewed, and not replaced with another claims-made policy form with a retroactive date prior to the Contract date, the Contract Party must purchase extended reporting coverage for a minimum of five (5) years after completion of work.
 6. Required Insurance limits to be provided by single insurance policy or through “follow form primary” layered excess insurance policies to obtain overall required limit(s).
 7. Contract Party’s subcontractors to maintain same insurance.

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8. Any insurance obtained by Contract Party that includes an “insured vs. insured” exclusion must be revised to exclude State and Owner as Additional Insured.
 9. The State and Owner reserve the right to consider and accept alternative forms and plans of insurance or to require additional more extensive coverage for any individual requirement and can modify types of insurance and revise limits required of Contract Party at any time during the term of this Contract.

F. Required Insurance:

1. Commercial General Liability Insurance. Commercial General Liability Insurance (“CGL”) based on Insurance Services Office (“ISO”) most recent version of Commercial General Liability policy form CG00 01, or its equivalent:
 - i. Covering bodily injury (including death), broad form property damage, personal and advertising injury, independent contractors, products and completed operations and contractual liability.
 - ii. Such insurance coverage is subject to a minimum combined single limit of \$1,000,000 per occurrence, \$2,000,000 general aggregate and \$1,000,000 products/completed operations aggregate.
 - iii. The general aggregate must be on a “per project” or “per location” basis.
 - iv. Shall include waiver of subrogation in favor of State and City of Providence.
 - v. Include State and Owner as additional insured on a primary and non-contributory basis.
 - vi. The Contract Party shall submit a copy of any policy endorsement, or blanket endorsement, evidencing the State and Owner as additional insured on a primary and non- contributory basis and a waiver of subrogation in favor of State and Owner. All endorsements shall be subject to review and approval by the authorized State personnel.
 - vii. Any time Contract Party is responsible for construction of any kind the additional status for State shall include additional Insured-products/completed operations in addition to additional insured-premises/operations.
2. Automobile Liability Insurance. Automobile Liability Insurance based on ISO most recent version of Business Automobile Policy (“BAP”) CA 00 01, or its equivalent:
 - i. Covering bodily injury and property damage for any vehicles used in conjunction with the performance of this Contract including owned, non-owned, and hired vehicles.
 - ii. If a Contract Party does not own any vehicle at any time during the duration of this Contract then the Contract Party can seek hired

and non-owned automobile coverage as provided by BAP or by hired non-owned automobile coverage endorsement to CGL.

- iii. At a minimum Contract Party must maintain hired and non-owned automobile coverage for the full duration of this Contract.
- iv. Such insurance coverage is subject to a minimum combined single limit of \$1,000,000 per occurrence and \$2,000,000 aggregate.
- v. Shall include waiver of subrogation in favor of State and City of Providence.
- vi. Include State and Owner as additional insured on a primary and non-contributory basis.
- vii. The Contract Party shall submit a copy of any policy endorsement, or blanket endorsement, evidencing the State as additional insureds on a primary and non-contributory basis and a waiver of subrogation in favor of State. All endorsements shall be subject to review and approval by the authorized State personnel.

3. Workers' Compensation and Employers' Liability.

- i. Statutory coverage as required by the workers' compensation laws of the State of Rhode Island, plus any applicable state law other than State of Rhode Island if employee(s) state of hire is other than State of Rhode Island or employee(s) work related to the Contract is not in the State of Rhode Island.
- ii. Policy form based on NCCI or its equivalent.
- iii. Employers' Liability with minimum limits of \$500,000 each accident, \$500,000 disease or policy limit and \$500,000 each employee or minimum amount necessary for umbrella/excess liability policy of Contract Party.
- iv. A Contract Party neither eligible for, nor entitled to, Worker's Compensation who is an independent Contract Party under Rhode Island law must comply with the statutory procedure precluding an independent Contract Party from bringing a workers' compensation claim against the State or the Owner.
- v. Policy to include waiver of subrogation in favor of State and Owner.
- vi. The Contract Party shall submit a copy of any policy endorsement or blanket endorsement evidencing the waiver of subrogation in favor of the State and Owner. All endorsements shall be subject to review and approval by the State authorized personnel.

4. Umbrella Liability Insurance

- i. \$5,000,000 per occurrence and \$5,000,000 in aggregate.

5. Pollution Liability Insurance

- i. \$2,000,000 policy limit

All Required Insurance shall be:

1. Placed with insurers:
 - a. Authorized to do business in Rhode Island.
 - b. Rated "A-," class X or better by A.M. Best Company, Inc.
 - c. Any insurer with a lesser financial rating must be approved by the authorized State personnel.

The legal defense provided to the State and the Owner under the policy and any endorsements must be free of any conflicts of interest, even if retention of separate legal counsel for the State and the Owner is necessary.

As evidence of the insurance required by this Contract, the Contract Party shall furnish to State Certificates of Insurance, including confirmation of all required policy endorsements including, but not limited to, additional insured endorsements:

- a. In form acceptable to the State to the Department of Administration, Division of Purchases prior to a Division of Purchases award. Failure to comply with this provision may result in rejection of the bid offer.
- b. All certificates of insurance, whenever issued, shall include the requirement of the insurer for thirty (30) days advance written notice of cancellation or non-renewal of any insurance policy to Department of Administration, Division of Purchases Attn: Purchasing Agent, One Capitol Hill, Providence, RI 02908 and the Owner. Contract Party shall also immediately notify the State and Owner if the Required Insurance is cancelled, non-renewed, potential exhaustion of policy limits or otherwise changed.
- c. Certificates of Insurance and required endorsements shall thereafter be submitted annually or earlier upon expiration and renewal of any of the policies.
- d. All Certificates of Insurance and to the extent possible endorsements shall reference the State procurement number.
- e. State and Owner retains the right to demand a certified copy of any Required Insurance policy, Certificate of Insurance or endorsement.

The Contract Party shall be responsible to obtain and maintain insurance on any real or personal property owned, leased or used by State that is in the care, custody or control of Contract Party. All property insurance of Contract Party must include a waiver of subrogation that shall apply in favor of the State and Owner.

No warranty is made that the coverages and limits listed herein are adequate to cover and protect the interests of the Contract Party for the Contract Party's operations. These are solely minimums that have been established to protect the interest of the State and Owner.

State and Owner shall be indemnified and held harmless as required by the Contract and to the full extent of any coverage actually secured by the Contract Party in excess of the minimum requirements set forth above.

The Contract Party shall use at its own risk and insure at its own cost any of its owned, leased or used real or personal property. All such insurance of Contract Party must include a waiver of subrogation that shall apply in favor of the State and Owner.

The Contract Party shall comply with any other insurance requirements including, but not limited to, additional coverages or limits contained in the procurement or solicitation.

Failure to comply with these Insurance Requirements is a material breach entitling the State and Owner to terminate or suspend the Contract immediately.

These Insurance Requirements shall survive expiration or termination of the Contract.

131. PATENTS

The Contractor shall hold and save the Owner, its officers and employees, harmless from liability of any nature or kind, including costs and expenses, for, or on account of, any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the Owner, unless otherwise specifically stipulated in the Technical Specifications.

132. WARRANTY OF TITLE

No material, supplies, or equipment to be installed or furnished under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale, lease-purchase or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together with all improvement and appurtenances constructed or placed thereon by him to the Owner free from any claims, liens, or charges. Neither the Contractor nor any person, firm or corporation furnishing any material or labor for any work covered by this Contract shall have any right to a lien upon any improvement or appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such persons to look to funds due the Contractor in the hands of the Owner. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

133. GENERAL GUARANTY

Neither the final certificate of payment nor any provision in the Contract nor partial or entire use of the Improvements embraced in this Contract by the Owner or the public shall constitute an acceptance of work not done in accordance with the Contract or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall promptly remedy any defects in the work and pay for any damage to other work resulting therefrom which shall appear within a period of 24 months from the date of final acceptance of the work. Final acceptance shall be defined as the date in which all outstanding punch list items are completed and when all work items identified during the final inspection are completed. The Owner will give notice of defective materials and work with reasonable promptness.

134. REPRESENTATIONS OF CONTRACTOR

The Contractor represents and warrants:

- A. That they are financially solvent and that they are experienced and competent to perform the type of work or furnish the plant, material, supplies, or equipment to be performed or furnished by them; and
- B. That they are familiar with all Federal, State, municipal and department laws, ordinances, orders and regulations which may in any way effect the work of those

employed therein, including but not limited to any special, acts relating to the work or to the project of which it is a part; and

- C. That such temporary and permanent work required by the Contract Documents to be done by them can be satisfactorily constructed and used for the purpose for which it is intended, and that such construction will not injure any person or damage any property; and
- D. That they have carefully examined the Drawings, Technical Specifications and addendum (or addenda), if any, and the site of the work, and that from their own investigation they have satisfied themselves as to the nature and location of the work, the character, quality and quantity of surface and subsurface materials likely to be encountered, the character of equipment and other facilities needed for the performance of the work, the general and local conditions, and all other materials which may in any way affect the work or its performance.

135. WEATHER CONDITIONS

In the event of temporary suspension of work, or during inclement weather, or whenever the Owner shall direct, the Contractor shall, and shall cause their Subcontractors to protect carefully their and their work and materials against damage or injury from the weather at no additional cost to the Owner. If, in the opinion of the Owner, any work or material shall have been damaged or injured by reason of failure on the part of the Contractor or any of their Subcontractors so to protect their work, or otherwise damaged by the negligence of the Contractor, Subcontractors or their agents or servants, or is otherwise defective, such materials shall be removed and replaced at the expense of the Contractor. Special attention shall be given to the winter shutdown period. All temporary patching to make the roads passable or to keep driveways open and safe, shall be done at no additional cost to the Owner.

136. QUANTITIES OF ESTIMATE

Wherever the estimated quantities of work to be done and materials to be furnished under this contract are shown in any of the Contract Documents including the Bid (proposal), they are given for use in comparing bids and the right is especially reserved by the Owner to increase or diminish them as may be deemed reasonably necessary or desirable by the Owner, and such increase or diminution shall in no way vitiate claims or liability for damages except as provided for in Section 109 hereof.

137. NOTICE AND SERVICE THEREOF

- A. The service of any notice, letter or other communication shall be deemed to have been made to one of the contracting parties on the other party to the Contract when such letter, notice or other communication has been delivered to the legal office address of the addressee, by a duly authorized representative of the address or in person, or when such notice, letter or other communication has been deposited in any regularly maintained mailbox of the United States Postal Department in a properly addressed, postpaid wrapper. The date of such service shall be considered to be the date of such personal delivery or mailing.
- B. The address of the Contractor noted in their bid (proposal) and/or the address of their field office on or near the site of the work hereunder shall be considered as their legal address for the purposes as above set forth.

138. PROVISIONS REQUIRED BY LAW DEEMED INSERTED

Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and the Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not

correctly inserted, then upon the application of either party the Contract shall forthwith be physically amended to make such insertion or correction.

139. LIENS

Neither the final payment nor any part of the retained percentage shall become due until the Contractor delivers to the Owner a complete release of all liens arising out of this contract, or receipts in full in lieu thereof, and an affidavit that so far as he has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed, but the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Owner to indemnify him against any liens. If any liens remain unsatisfied after all payments are made, the Contractor shall refund to the Owner all monies that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

THE OWNER, PRIOR TO MAKING EACH PAYMENT TO THE CONTRACTOR, may require the Contractor to furnish releases or receipts from any or all persons / firms performing work and supplying material or services to the Contractor, or any Subcontractor, if deemed necessary to protect its interest.

140. CONTRACTOR'S OBLIGATIONS

- A. The Contractor shall and will in good workmanlike manner, do and perform all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to perform and complete all the work required by this Contract, within the time herein specified, in accordance with the provisions of this Contract and said Technical Specifications and in accordance with the Plans and Drawings covered by this contract and any and all supplemental Plans and Drawings, and in accordance with the directions of the Owner as given from time to time during the progress of the work as may be required. He alone shall be responsible for the safety, efficiency and adequacy of their plant, appliances and methods and for any damage which may result from their failure or their improper construction, maintenance or operation. The Contractor shall observe, comply with and be subject to all terms, conditions, requirements and limitations of the Contract specifications, and shall do, carry on, and complete the entire work to the satisfaction of the Owner.

- B. The Contractor shall be solely responsible for all the work and shall provide all precautionary measures necessary for preventing injury to persons or damage to property. All injury or damage of whatever nature resulting from the work or resulting to persons, property or the work during its progress, from whatever cause, shall be the responsibility of and shall be borne and sustained by the Contractor. The Contractor shall hold the Owner or their agents harmless and defend and indemnify the Owner or their agents against damages or claims for damages due to injuries to persons or to property arising out of the execution of the work and for damages to materials furnished for the work, infringement of inventions, patents and patent rights used in doing the work, or damages arising out of the use of any improper materials, equipment, or labor used in the work, and for any act, omission or neglect of the Contractor, their agents, employees and their Subcontractors therein. He shall bear all losses resulting to him including but not limited to losses sustained on account of character, quality or quantity of any part or all of the work, or because the nature of the land in or on which the work done being different from what was estimated or indicated, or on account of the weather, elements or other causes.

141. CITY'S AUTHORITY

The City shall give all orders and directions contemplated under this Contract and Technical Specifications relative to the execution of the work. The City shall determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under

this Contract and shall decide all questions which may arise in relation to said work and construction thereof. In case any question shall arise between the parties hereto relative to said Contract or Technical Specifications, the determination or decision of the City shall be a condition precedent to the right of the Contractor to receive any money or payment for work under this Contract affected in any manner or to any extent by such question. The City shall decide the meaning and intent of any portion of the Technical Specifications and of any Plans or Drawings where the same may be found obscure or be in dispute. Any differences or conflicts in regard to their work which may arise between the Contractor under this Contract and other Contractors performing work for the Owner shall be adjusted and determined by the City.

The City does have unilateral authority.

142. ALL WORK SUBJECT TO CONTROL BY CITY

- A. In the performance of the work, the Contractor shall abide by all orders, directions and requirements of the City or their designee, and shall perform all work to the satisfaction of the City, and at such time and places, by such methods and in such manner and sequence as he may require. The City shall determine the amount, quality, acceptability and fitness of all parts of the work. The City shall interpret the Drawings, Technical Specifications, Contract, all other documents and the extra work orders. The City shall also decide all other questions in connection with the work. The Contractor shall employ no plant, equipment, materials, methods or people to which the City objects and shall remove no plant, materials, equipment or other facilities from the site of the work without the City's permission. Upon request, the City will confirm in writing any oral order, direction, requirement or determination.
- B. Inspectors shall be authorized to inspect all work done and material furnished. Such inspection may extend to all or any part of the work, and to the preparation or manufacture of the materials to be used. The presence or absence of an Inspector shall not relieve the Contractor from any requirements of the Contract. In case of any dispute arising between the Contractor and the Inspector as to materials furnished or the manner of performing the work, the Inspector shall have the authority to reject material or suspend the work until the question at issue can be referred to and decided by the City. The Inspector shall not be authorized to revoke, alter, enlarge, relax or release any requirement of these specifications, nor to approve or accept any portion of the work, nor to issue instructions contrary to the drawings and specifications. The Inspector shall in no case act as foreman or perform other duties for the Contractor, or interfere with the management of the work by the latter. Any advice which the Inspector may give the Contractor shall in nowise be construed as binding the City in any way nor releasing the Contractor from the fulfillment of the terms of the contract.

143. INTERPRETATION OF DRAWINGS AND TECHNICAL SPECIFICATIONS

- A. Except the Contractor's executed set, all Drawings and Technical Specifications are the property of the Owner. The Owner will furnish the Contractor without charge three (3) paper sets of the Drawings and Technical Specifications and one CD/DVD containing digital copies of Drawings and Technical Specifications. Additional sets will be furnished upon request at a cost as determined by the Owner. Such Drawings and Technical Specifications are not to be used on other work and those sets in usable condition shall be returned to the Owner upon request at the completion or cessation of the work or termination of the contract.
- B. The Contractor shall keep at the site of the work one copy of the Drawings and Technical Specifications, and shall at all times give the Owner and their representatives' access thereto. Anything shown on the Drawings and not mentioned in the Technical Specifications, or mentioned in the Technical Specifications and not shown on the Drawings, shall have the same effect as if

shown or mentioned in both. In case of any conflict or inconsistency between the Drawings and Technical Specifications, the Specifications shall take precedence. Any discrepancy in the figures and the Drawings shall be immediately submitted by the Contractor to the Owner for decision and the decision thereon by the Owner shall be final. In case of differences between small and large scale drawings, the larger scale drawings shall take precedence.

144. CITY'S CONTROL NOT LIMITED

The enumeration in this Contract of particular instances in which the opinion, judgment, discretion or determination of the City shall control or in which work shall be performed to their satisfaction or subject to their approval or inspection, shall not imply that only matters similar to those enumerated shall be so governed and performed, but without exception all the work shall be so governed and performed.

145. CONTRACT AND CONTRACT DOCUMENTS

The Drawings, the Technical Specifications and Addendum (or Addenda), the Advertisement, the Information for and Notice To Bidders, and the Bid (Proposal) as accepted by the Owner as evidenced by the Owner's Notice to Award to the Contractor, which Notice is made a part of this Contract. Special Provisions and the General Provisions shall form a part of this Contract and the provisions thereof shall be as binding upon the parties hereto as if they were herein fully set forth. The table of contents, titles, headings, running headlines and marginal references to various provisions of the Contract Documents are in no way to affect, limit or cast light on the interpretation of the provisions to which they refer. Whenever the term "Contract Documents" is used, it shall mean and include this Contract, the enumerated Drawings, Special Provisions, General Provisions, the Technical Specifications, the Advertisement, the enumerated Addendum (or Addenda), Information for Bidders, the Bid (Proposal) as accepted by the Owner. The Owner shall interpret their own requirements. In case of any conflict or inconsistency between the provisions or this signed portion of the Contract and those of the Technical Specifications, the provisions of this signed portion of the Contract shall govern.

146. LIST OF DRAWINGS –

The list of Drawings for DEAN ROAD BICYCLE & PEDESTRIAN IMPROVEMENTS can be found in the SPECIAL CONDITIONS, Section 371.

147. COOPERATION WITH UTILITIES

- A. The Contractor shall arrange and cooperate with the various utility corporations or other parties interested in connection with the relocation and maintenance of all public fixtures when necessary and appurtenances or service connections within or adjacent to the limits of construction, as directed by the City.
- B. The Contractor will be responsible for any damage done to any utility poles or lines, curbing, basins, hydrants, water and sewer lines, conduits and other accessories and appurtenances of a similar nature which are fixed or controlled by the City Public Utility Company or Corporation. He shall perform any carry out their work in such a manner as not to interfere with or damage fixtures mentioned herein, or as shown on the Plans or discovered during construction.

148. MAINTENANCE OF FIRE LANES

Fire lanes designated by the Department of Public Safety must be accessible at all times for firefighting equipment, other emergency apparatus and traffic crossing.

149. "OR APPROVED EQUAL" CLAUSE

Whenever a material or article required is specified or shown on the Drawings by using the name of the proprietary product or of a particular manufacturer or vendor, any material or article which will perform adequately the duties imposed by the general design will be considered equal and satisfactory providing the material or article so proposed is of equal substance and function in the City's opinion. It shall not be purchased or installed without the Owner's written approval. In all cases new material shall be used on the project.

150. REPORTS, RECORDS AND DATA

The Contractor and each of their Subcontractors shall submit to the Owner such schedules of quantities and costs, progress schedules, payrolls, reports, estimates, records and other data as the Owner may request concerning work performed or to be performed under this Contract.

151. CONFLICTING CONDITIONS

Any provision in any of the Contract Documents which may be in conflict or inconsistent with any of the articles in this Contract and General Provisions shall be void to the extent of such conflict or inconsistency.

152. SAFETY AND HEALTH REGULATIONS

These construction documents, and the joint and several phases of construction hereby contemplated, are to be governed, at all times, by applicable provisions of the Federal law(s), including, but not limited to, the latest amendments of the following:

- A. Williams-Steiger Occupational Safety and Health Act of 1970, Public Law 91-596;
- B. Part 1910 - Occupational Safety and Health Standards, Chapter XVII of Title 29, Code of Federal Regulations;
- C. Part 1926 - Safety and Health Regulations for Construction, Chapter XVII of Title 29, Code of Federal Regulations.

153. PROTECTION OF LIVES AND PROPERTY

- A. In order to protect the lives and health of their employees under the Contract, the Contractor shall comply with all pertinent provisions of the "Manual of Accident Prevention in Construction" issued by the Associated General Contractors of America, Incorporated, and shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment on work under this Contract.
- B. The Contractor alone shall be responsible for the safety, efficiency and adequacy of their plant, appliances and methods, and for any damage which may result from their failure or their improper construction, maintenance or operation.
- C. The Contractor shall be solely responsible for the acts and omissions of their agents, employees and their Subcontractors and their agents and employees and shall hold the Owner harmless and defend the injuries to others or property of others which result from said acts or omissions.

154. CONTRACTOR TO LAY OUT THEIR OWN WORK

- A. The Contractor shall be responsible to lay out all the contract work and shall be responsible for the accuracy of all lines, grades and measurements, and conformance to the Americans with Disabilities Act.

155. SUBSURFACE DATA

- A. The Contractor shall be aware that some buildings in the City have basements and/or utility vaults under the sidewalks. The Contractor shall be solely responsible to verify the presence of building/utility vaults and use extreme care when working within or adjacent to sidewalks in front of buildings that may contain vaults. Any basement or utility vaults damaged by the Contractor while carrying out this Contract shall be repaired by the Contractor to the satisfaction of the Owner at no additional charge to the Owner. The Contractor is solely responsible for the investigation of subsurface basement vaults. It is recommended that the Contractor perform a pre-existing conditions survey.
- B. Pavement cores have not been obtained. Core logs are not included in the Contract Documents.

**GENERAL CONDITIONS, PART II
NON-FEDERAL LABOR STANDARDS PROVISIONS
Dean Street Bicycle & Pedestrian Improvements**

P R O V I D E N C E , R H O D E I S L A N D

201. GENERAL CONDITIONS

The following Non-Federal Labor Standards Provisions, including the following provisions concerning maximum hours of work, minimum rates of pay, and overtime compensation, with respect to the categories and classifications of employees hereinafter mentioned are included in this Contract pursuant to the requirements of applicable State or local laws, but the inclusion of such provisions shall not be construed to relieve the Contractor or any Subcontractor from the pertinent requirements of any corresponding Federal Labor-Standards Provisions of this contract. In case the set forth in the Federal Labor Standards Provisions of this Contract for corresponding classifications, be the applicable minimum rates of pay for such classifications. The limitations, if any, in these employees engage on the work covered by this Contract may be required of permitted to work thereon shall not be exceeded.

202. OTHER STIPULATIONS

The Contractor shall comply with the applicable provisions of all Rhode Island labor laws as administered by the Rhode Island State Department of Labor, including particularly the provisions of the following:

- A. Title 37, Chapter 13, Sections 1 to 14
- B. Title 28, Chapter 16, Sections 1 and 2
- C. Title 45, Chapter 32, Sections 43 and 44

The Contractor shall further comply with the applicable provisions of the Rhode Island Employment Security Act and the Rhode Island Temporary Disability Insurance Act, and shall report, upon the certified copies of payrolls as required by GENERAL CONDITIONS PART 1 – SECTION 109, all employer contributions made and all employee deductions taken in compliance with said Acts.

The Contractor shall further comply with the applicable provisions of Title 28, Chapter 5, Sections 1 to 43, of the General Laws of Rhode Island, 1956 the State Fair Employment Practices Act, as amended.

203. SCHEDULE OF SALARIES AND WAGES

The rates of payment of wages, obligations and charges for labor by the contractor shall be not less than Davis-Wage determinations available online at <https://beta.sam.gov/>.

SPECIAL CONDITIONS
Dean Street Bicycle & Pedestrian Improvements

P R O V I D E N C E , R H O D E I S L A N D

301. PROJECT AREA

The limits of Dean Street Bicycle & Pedestrian Improvements are Pleasant Valley Parkway between Smith Street and Promenade Street, in the City of Providence, County of Providence, State of Rhode Island.

The work associated with the infrastructure improvements includes, but is not limited to, installation of new asphalt bikeway, concrete sidewalk, curb ramps, and detectable warning systems; removal and disposal of existing signs and installation of new signs; installation of pavement markings; traffic signal modifications; and all other incidentals necessary to execute the work complete in place and accepted within the limits of this contract to the satisfaction of the Owner.

302. TIME FOR COMPLETION

The work which the Contractor is required to perform under this Contract shall be commenced at the time stipulated by the Owner in the Notice to Proceed to the Contractor and shall be fully completed, including all punch list items by Wednesday, June 1, 2022. The construction needs to occur in a continuous manner without gaps in the work, unless an excusable delay occurs, as defined in GENERAL PROVISIONS PART I, Section 112.

303. LIQUIDATED DAMAGES

Liquidated damages shall be as set forth in the INSTRUCTIONS TO BIDDERS, Section 20 and in APPENDIX A – TECHNICAL SPECIFICATIONS – JOB SPECIFIC.

304. RESPONSIBILITIES OF CONTRACTOR

Except as otherwise specifically stated in the Contract Documents and Technical Specifications, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, heat, power, transportation, superintendence, temporary construction of every nature, charges, levies, fee or other expenses and all other services and facilities of every nature whatsoever necessary for the performance of the Contract and to deliver all improvements embraced in the Contract for Site Preparation complete in every respect within the specified time.

305. COMMUNICATIONS

- A. All notices, demands, requests, instructions, approvals, proposals, and claims must be in writing.
- B. Any notice to or demand upon the Contractor shall be sufficiently given if delivered at the office of the Contractor stated on the signature page of the Agreement (or at such other office as the Contractor may from time to time designate in writing to the Owner), or if deposited in the United States mail in a sealed, postage-prepaid envelope, or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to such office.
- C. All papers required to be delivered to the Owner shall, unless otherwise specified in writing to the Contractor, be delivered to the Department of Planning and Development, 444 Westminster Street, Providence, Rhode Island 02903, and any notice to or demand upon the Owner shall be sufficiently given if so delivered, or if deposited in the United States mail in a sealed, postage-prepaid envelope, or delivered with charges prepaid to any telegraph company for transmission to said Owner at such address, or to such other representatives of the Owner or to such other address as the Owner may subsequently specify in writing to the Contractor for such purpose.
- D. Any such notice shall be deemed to have been given as of the time of actual delivery or (in the case of mailing) when the same should have been received in due course of post, or in the case of telegrams, at the time of actual receipt, as the case may be.

306. PARTIAL USE OF SITE IMPROVEMENTS

The Owner, at its election, may give notice to the Contractor and place in use those sections of the improvements which have been completed, inspected and can be accepted as complying with the Technical Specifications and if in its opinion, each such section is reasonably safe, fit and convenient for the use and accommodation for which it was intended, provided:

- A. The use of such sections of the improvements shall in no way impede the completion of the remainder of the work by the Contractor.
- B. The Contractor shall not be responsible for any damages or maintenance costs due directly to the use of such sections.
- C. The use of such sections shall in no way relieve the Contractor of their liability due to having used defective materials or to poor workmanship.
- D. The period of guarantee stipulated under GENERAL CONDITIONS PART 1, Section 133, shall not begin to run until the date of the final acceptance of all work which the Contractor is required to construct under this Contract.

307. WORK BY OTHERS

The Contractor will consult and cooperate with the utility companies to permit their work to proceed coincidentally with the work under this contract so as not to delay completion of the project.

308. CONTRACT DOCUMENTS AND DRAWINGS

The Owner will furnish the Contractor with three (3) paper copies and a USB drive containing the Contract Documents, Plans and Addenda without charge.

309. DISPOSAL OF SALVAGED MATERIALS

- A. All salvaged material such as granite curbing; manhole frames and covers; catch basin frames, grates, covers and traps; etc., not required to be installed in the work shall be removed and transported to the City of Providence, Department of Public Works storage yards located in the vicinity of 700 Allens Avenue, Providence, Rhode Island 02905.
- B. All salvaged materials that are part of the existing water distribution system of the City of Providence Water Supply Board shall be removed and transported to the Water Supply Board Headquarters which are located at 552 Academy Avenue, Providence, Rhode Island.
- C. The above work shall be accomplished at no additional expense to the Owner but the cost of the work shall be included in the submitted unit price for the applicable items of work.

The Contractor shall be responsible for arranging salvaged materials delivery and obtaining signed receipt(s) from responsible personnel at the above agencies listing material types and quantities salvaged and delivered. Copies of receipt(s) shall be provided said agencies and the Local Public Agency on the date of delivery.

310. PROVISION FOR FLOW OF PRESENT DRAINAGE

Provision for the flow of all sewers, drains and watercourses that are met or altered during construction shall be provided by the Contractor and all the connections shall be restored without extra charge. All offensive matter shall be removed immediately with such precautions as may be directed. If required, the Contractor shall install temporary bypass connections for surface or pipe drainage facilities to provide uninterrupted or continuous service during the work of construction.

311. WORK TO BE ACCOMPLISHED IN ACCORDANCE WITH THE DRAWINGS AND TECHNICAL SPECIFICATIONS

The work, during its progress and at its completion, shall conform to the lines and grades shown on the Drawings and to the directions given by the Owner from time to time, subject to such modifications or additions as they shall determine to be necessary during the execution of the work; and in no case, will any work be paid for in excess of such requirements. The work shall also be accomplished in accordance with the date provided in Section 302, hereof.

312. CONTRACTOR TO CHECK DIMENSIONS AND SCHEDULES

The Contractor will be required to check all dimensions and quantities shown on the Drawings or schedules given to him by the Owner, and shall notify the Owner of all errors therein which he may discover by examining and checking them. The Contractor shall not take advantage of any error or omissions in these Technical Specifications, Drawings or schedules. The Owner will furnish all instructions should such errors or omissions be discovered, and the Contractor shall carry out such instructions as if originally specified.

313. PROTECTION OF TREES

The Contractor shall take special care to preserve and protect from injury all trees and other plant material to remain along the lines of construction. No such trees or plant material shall be removed or cut down, trimmed or otherwise cut without permission from the Owner. Failure to comply may result in a fine by the City Forester.

314. REMOVAL OF WATER AND PROTECTION FROM FLOODING

The Contractor shall construct and maintain, at no additional expense to the Owner, all pumps, drains, well points or any other facility for the control and collection of groundwater and/or surface water and provide all pumps and piping for the removal of water from the trenches and excavations so that all trenches and excavations may be kept, at all times, free from water and so that all construction work may be performed in the dry. Any damage resulting from the failure of the dewatering operations of the Contractor and any damage resulting from the failure of the Contractor to maintain the areas of all work in a suitable dry condition, shall be repaired by the Contractor as directed by the Owner, at no additional expense to the Owner. The Contractor's pumping and dewatering operations shall be carried out in such a manner as to prevent damage to existing structures and utilities and the contract work, and so that no loss of ground will result from these operations. Precautions shall be taken to protect new and existing work from flooding during storms or from other causes. Pumping shall be continuous where directed by the Owner, to protect the work and/or maintain satisfactory progress. All pipe lines or structures not stable against uplift during construction or prior to completion shall be thoroughly braced or otherwise protected. Water from the trenches, excavations and drainage operations shall be disposed of in such a manner as will neither cause public nuisance, nor cause injury to public health nor to public or private property nor to the work completed, nor to the work in progress. No extra payment will be made for the removal of water, protection from flooding, drainage work, diversion of existing water courses and such other work; but compensation therefor shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the Bid.

315. HURRICANE PROTECTION

Should hurricane warnings be issued, the Contractor shall take every practicable precaution to minimize danger to persons, to the work and to adjacent property. These precautions shall include closing all openings, removing all loose materials, tools and/or equipment from exposed locations, and removing or securing scaffolding and other temporary work.

316. FIRST AID TO INJURED

The Contractor shall keep in their office, ready for immediate use, all articles necessary for giving first aid to injured employees. He shall also provide arrangements for the immediate removal and hospital treatment of any employee injured on the work who may require the same.

317. CONFORMANCE WITH DIRECTIONS

The Owner may make alterations in the line, grade, plan, form, dimensions or materials of the work, or any part thereof, either before or after the commencement of construction. If such alterations diminish the quantity included in any item of work to be done and paid for at a Unit Price, the Contractor shall have no claim for damages or for anticipated profits and the work that may thus be dispensed with. If they increase the quantity included in any such item, such increase shall be paid for at the stipulated price, but no such alteration shall increase shall be paid for at the stipulated price, but no such alteration shall be made without the consent of the Owner.

318. PROTECTION AGAINST HIGH WATER AND STORM

- A. The Contractor shall take all precautions to prevent damage to the work or equipment by high waters or by storms. The Owner may prohibit the carrying out of

any work at any time when, in their judgment, high waters or storm conditions are unfavorable or not suitable, or at any time, regardless of the weather, when proper precautions are not being taken to safeguard previously constructed work or work in progress.

- B. In case of damage caused by the failure of the Contractor to take adequate precautions, the Contractor shall repair or replace equipment damaged and shall make such repairs or rebuild such parts of the damaged work, as the Owner may require, at no additional expense to the Owner.

319. SEQUENCE OF WORK

- A. The Contractor shall be required to prosecute their work in accordance with a schedule prepared by him in advance in accordance with additional requirements specified herein and approved by the Owner. This schedule shall state the methods and shall forecast the times for doing each portion of the work. Before beginning any portion of the work, the Contractor shall give the Owner advance notice and ample time for making the necessary preparations.

320. COMPETENT HELP TO BE EMPLOYED

The Contractor shall employ experienced foremen, craftsmen and other workmen competent in the work in, which they are to be engaged, and whenever the Owner shall notify the Contractor in writing that any person employed on the project is, in their opinion, incompetent, unfaithful, disorderly, or otherwise unsatisfactory, or not employed in accordance with 'the provisions of this contract, such person shall be discharged from the project and shall not be again employed on it.

321. STREETS AND SIDEWALKS TO BE KEPT OPEN

- A. The Contractor shall at all times keep the streets, highways, roads, private walks and sidewalks in which he may be at work, open for pedestrian and vehicular traffic at their own expense, unless otherwise authorized by the Owner in writing. If, in the opinion of the Owner, the interest of abutters and public requires it, the Contractor shall bridge or construct plank crossings over the trenches at street crossings, roads, or private ways, or provide such temporary means of crossing and guarding as shall be acceptable to the Owner. The Contractor shall conduct their work for this objective in such manner as the Owner may direct from time to time. No sidewalk shall be obstructed where it is possible to avoid it. The closing of any traffic lanes shall be done only with the approval of the Providence Traffic Engineering Department.
- B. The Contractor shall provide at their own expense, all necessary fire crossings at principal intersections or ways usually traveled by fire apparatus.

322. LIGHTS, BARRIERS, WATCHMEN AND INDEMNITY

- A. The Contractor shall put up and maintain such barriers, lighting and warning lights, danger warning signals and signs that will prevent accidents during the construction work and protect the work and insure the safety of personnel and the public at all times and places, and the Contractor shall indemnify and protect the Owner in every respect from any injury or damage whatsoever caused by any act or neglect of the Contractor or their subcontractors, or their servants or agents.
- B. In addition to the above, when and as needed, or when required by the Owner, the Contractor shall post signs and employ watchmen for excluding at all times unauthorized persons from the work, for which the Contractor will not be paid additional compensation.

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- C. The Contractor shall be responsible for excluding at all times from lands within easement areas, all persons not directly connected with the work or authorized by the Owner to be in the work areas.

323. TRAFFIC CONTROL

- A. Approval of any street closure, lane closure, sidewalk closure or detour must be coordinated with City of Providence Traffic Engineer before it is put into operation. All proper Traffic Engineering permits must be approved prior to work starting.
- B. The Contractor shall make himself aware of all City regulations governing construction and their effect on vehicular and pedestrian traffic.
- C. Whenever necessary, or whenever directed by the Owner, the Contractor shall employ traffic control devices to insure a safe, orderly routing of traffic around or across the work. No separate payment shall be made for this work, but compensation, therefore, shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the bid.
- D. Where deemed necessary by the Owner, supplementary traffic control shall be provided by off-duty, City of Providence Police Officers.
- E. The Contractor shall request for use of off-duty, City of Providence Police Officers for supplementary traffic control in accordance with the unit price for this work submitted as part of the Bid. Invoices shall be billed directly to the Owner.
- F. The Contractor shall be solely responsible for the safe passage of traffic and shall indemnify and protect the Owner in every respect from any injury or damage whatsoever caused by any act or neglect of the Contractor or their Subcontractors, or their servants or agents.

324. NIGHT WORK

- A. Night work, or work on Saturdays, Sundays and legal holidays may be required in order to perform certain construction operations without causing excessive interference with or disruption of traffic flow, water service, etc.
- B. Night work or work on Saturdays, Sundays and legal holidays shall be done only with the approval of the Providence Traffic Engineering Department.
- C. All water work operations requiring the closing or shutdown of existing water service facilities will be conducted at those times as directed by the Owner that will minimize the interference with, or disruption of service.
- D. All trenching, pipe laying, paving operations, etc., shall be conducted at times as directed by the Owner that will minimize the interference with normal and emergency vehicular traffic flow.
- E. No work shall be scheduled by the Contractor on nights, Saturdays, Sundays or legal holidays unless directed or approved in writing by the Owner. The Contractor will receive no extra payment for work at these times and compensation shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the Proposal.
- F. Night work shall not be permitted on Thursday, Friday or Saturday nights.

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- G. All necessary lighting, safety precautions, and other requirements for night, Saturday, Sunday and holiday work shall be provided at no extra cost to the Owner.
 - H. The assumption is made that all work outside of milling, paving and pavement marking activity will be able to occur during daylight hours.

325. BUS LINE INTERFERENCE

Whenever it may be necessary to interfere with any bus lines, notice shall be given to the Rhode Island Public Transit Authority (RIPTA) owning the same, and reasonable time (minimum 48-hours) shall be given to said corporation to arrange the schedule for operation of same, as may be necessary. RIPTA shall be notified for any work impacting their bus routes or adjacent (within 200 feet to their shelters from the approach side and 100 feet to the exit side).

326. WORK IN COLD WEATHER

- A. The Owner will determine when conditions are unfavorable for work and may order the work or any portion of it suspended whenever, in their opinion, the conditions are not such as will insure first class work. In general, work shall be prosecuted throughout the year and the Contractor will be expected to keep work going and employment of labor as continuous as possible.
- B. All methods and materials used for concrete or masonry work in cold weather shall be subject to the approval of the Owner. The Contractor shall take the necessary precautions to protect the work from damage and for removing ice and frost from materials, including heating the water, sand and coarse aggregate and for protecting the newly laid masonry. This protection shall also include the covering of work with tarpaulins and the heating by salamanders or steam pipes or other suitable method. The Contractor will receive no extra payment or any labor, apparatus, tools or materials necessary to comply with the above requirements, but compensation shall be considered to be included in the prices stipulated for the appropriate items of work as listed in the bid.
- C. In the event of temporary suspension of work, or during inclement weather, or whenever the Owner shall direct, the Contractor will, and will cause their Subcontractors to protect carefully their and their work and materials against damage or injury from the weather. If in the opinion of the Owner, any work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of their Subcontractors to so protect their work, such materials shall be removed and replaced at the expense of the Contractor.
- D. In the event that the project is shut down during the winter months, the Contractor will be required to install, maintain and remove such temporary materials as may be required to protect completed work and to provide safe vehicular and pedestrian access. No separate payment shall be made to the Contractor for such temporary materials and labor.

327. BLASTING AND EXPLOSIVES

- A. Blasting or use of explosives will not be permitted on this project.
- B. Rock, boulders, ledge, concrete foundations, etc., shall be removed by the use of pneumatic tools; drilling and splitting mechanically or by hand; or by other means not requiring the use of explosives.

328. RESERVED MATERIALS

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- A. Materials found on the work suitable for any special use shall be reserved for that purpose without charge to the Owner.
 - B. Where permitted, the Contractor may use in the various parts of the work, without charge to the Owner, therefore, any materials taken from the excavations.

329. DISPOSAL OF MATERIALS. ACCESS TO HYDRANTS AND GATES AND MATERIALS TRIMMED- UP FOR CONVENIENCE OF PUBLIC TRAVEL OR ADJOINING TENANTS

The materials from the trench and excavations and those used in the construction of the work shall be deposited in such a manner so they will not endanger persons or the work, and so that free access may be had at any time to all hydrants and gates in the vicinity of the work. The materials shall be kept trimmed-up so as to be of as little inconvenience as possible to the public travel or the adjoining tenants. All excavated materials not approved for backfill and fill, all surplus material and all rock resulting from the excavations shall be removed and satisfactorily disposed of off the site by the Contractor at no additional expense to the Owner.

330. LENGTH OF TRENCH TO BE OPENED, MAINTAINING PREMISES FREE FROM OBSTRUCTIONS, CROSSOVERS, DIRECTIONAL SIGNS AND LIGHTS

- A. The length of trench opened at any time from point where ground is being broken to completed backfill and also the amount of space in streets or public and private lands occupied by equipment, trench and supplies, shall not exceed the length or space considered reasonably necessary and expedient by the Owner. In determining the length of open trench or spaces for equipment, materials, supplies and other necessities, the Owner will consider the nature of the construction and equipment being used, inconvenience to the public or to private parties, possible dangers and other proper matters. All work must be constructed with a minimum of inconvenience and danger to the public and all other parties concerned.
- B. Whenever any trench obstructs pedestrian and vehicular traffic in or to any, public street, private driveway or property entrance, or on private property, the Contractor shall take such means as may be necessary to maintain pedestrian and vehicular traffic and access. Until such time as the work may have attained sufficient strength to support backfill, or if for any other reason it is not expedient to backfill the trench immediately the Contractor shall construct and maintain suitable plank crossings and bridges to carry essential traffic in or to the street, driveway or property in question as specified or directed.
- C. Suitable signs, lights and such required items to direct traffic shall be furnished and maintained by the Contractor.
- D. The Contractor must keep streets and premises free from unnecessary obstructions, debris and all other materials. The Owner may, at any time, order all equipment, materials, surplus from excavations, debris and all other materials lying outside that length of working space promptly removed and should the Contractor fail to remove such material within 24 hours after notice to remove the same, the Owner may cause any part or all of such materials to be removed by such persons as he may employ, at the Contractor under the contract. In special cases, where public safety urgently demands it, the Owner may cause such materials to be removed without prior notice.

331. INTERFERENCE WITH EXISTING STRUCTURES

- A. Whenever it may be necessary to cross or interfere with existing culverts, drains, sewers, water pipes or fixtures, guardrails, fences, gas pipes or fixtures, or other structures needing special care, due notice shall be given to the Owner and to the various public and private agencies or individuals responsible for the utility or

structure that is interfered with. Whenever required, all objects shall be strengthened to meet any additional stress that the work herein specified may impose upon it, and any damage caused shall be thoroughly repaired. The entire work shall be the responsibility of the Contractor and the work shall be performed at no additional expense to the Owner.

- B. The Contractor shall be responsible for all broken mains or utilities encountered during the progress of the work and shall repair and be responsible for correcting all damages to existing utilities and structures at no additional expense to the Owner. The Contractor shall contact the proper utility or authority to correct or make any changes due to utility or other obstructions encountered during the work, but the entire responsibility and expense shall be with the Contractor.
- C. All damaged items of work or items required to be removed and replaced due to construction shall be replaced or repaired by the Contractor to the complete satisfaction of the Owner at no additional expense to the Owner.

332. MATERIALS

All materials furnished and used in the completed work shall be new, of best quality workmanship and design and recognized as standard in good construction practices. Whenever a specification number or reference is given, the subsequent amendments (if any) shall be included. The standards set forth in the selection of materials and supplies are intended to conform with those standards adopted by the Owner. Preference in manufacture shall be given to adopted standards and the Contractor shall further familiarize himself with the requirements of the Owner when the occasion or choice of materials or supplies so demands.

333. DEFECTIVE MATERIALS, INSPECTION AND TESTING OF MATERIALS FURNISHED, SAMPLES AND ORDERING LISTS

- A. No materials shall be laid or used which are known, or may be found to be in any way defective. Any materials found to be defective at the site of the work or upon installation shall be replaced by the Contractor at their expense. Notice shall be given to the Owner of any defective or imperfect material. Defective or unfit material found to have been laid shall be removed and replaced by the Contractor with sound and unobjectionable material without additional expense to the Owner.

The Contractor shall also be responsible to compensate the City's Project Management team and police details and materials testing for errors, defective work or damage caused by the Contractor. This will be done by direct invoice to the Contractor or monies deducted through invoices.

- B. All materials furnished by the Contractor are subject to thorough inspections and tests by the Owner.
- C. All ordering lists shall be submitted by the Contractor to the Owner for approval and shall be approved before the ordering of the materials.

334. SPIRITUOUS LIQUORS

The Contractor shall neither permit nor suffer the introduction or use of spirituous liquors upon the work embraced in this contract.

335. FINISHING AND CLEANING UP

In completing the backfilling of the trenches, etc. the Contractor shall replace all surface material to the satisfaction of the Owner, and shall then immediately remove all surplus material, and all

tools and other property belonging to him, leaving the entire street or surroundings free and clean and in good order, at no additional expense to the Owner. The backfilling and removing of the surplus materials shall follow closely upon the completion of the work. The Contractor shall exercise special care in keeping rights-of-way and private lands, upon which work is to be performed, clean and free of debris at all times and to remove tools and other property belonging to the Contractor when they are not being used.

336. CLEAN-UP AT CONTRACTOR'S EXPENSE

In case the Contractor shall fail or neglect, after backfilling, to promptly remove all surplus materials, tools and other incidentals, or promptly do the required repaving when ordered, the Owner may, after 24 hours' notice, cause the work to be done and the cost thereof shall be deducted from any monies then or thereafter due the Contractor.

337. RIGHTS OF ACCESS

Nothing herein contained or shown on the Drawings shall be construed as giving the Contractor exclusive occupancy of the work areas involved. The Owner or any other Contractor employed by the Owner, the various utilities companies, Contractors or Subcontractors employed by the Federal, State or Local governmental agencies or other utility firms or agencies involved in the general project or upon public rights-of-way, may enter upon or cross the area of work or occupy portions of it as directed or permitted. When the territory of one contract is the convenient means of access to the other, each Contractor shall arrange their work in such manner as to permit such access to the other and prevent unnecessary delay to the work as a whole.

338. LOADING

No part of the structures involved in this contract shall be loaded during construction with a load greater than is calculated to carry with safety. Should any accidents or damage occur through any violation of this requirement, the Contractor will be held responsible under their Contract and bond.

339. EXISTING UTILITIES OR CONNECTIONS

- A. The Location of existing underground pipes, conduits and structures, as may be shown in the project drawings, has been collected from the best available sources and the Owner together with its agents does not guarantee, expressly or by implication, the data and information in connection with underground pipes, conduits, structures, electric and telephone ducts and lines, vaults and such other parts as to their completeness nor their locations as indicated. The Contractor shall assume that there are existing water, gas, electric, and other utility connections to each and every building en route, whether they appear on the Drawings or not. Any expense and/or delay occasioned by utilities and structures or damage thereto, including those not shown, shall be the responsibility of the Contractor, at no additional expense to the Owner.
- B. Before proceeding with construction operations, the Contractor shall make such supplemental investigations, including exploratory excavations by hand digging, as he deems necessary to uncover and determine the exact locations of utilities and structures and shall have no claims for damages due to encountering subsurface structures or utilities in locations other than shown on the Drawings, or which are made known to the Contractor prior to construction operations. The Contractor shall be responsible and liable for all damages to the existing utilities and structures.

340. COMPLETENESS OF WORK

In addition to the specified or described portions, all other work and all other materials, equipment and labor of whatever description which are necessary or required to complete the work, or for

carrying out the full intent of the Drawings and Technical Specifications, as interpreted by the Owner, such work, labor, materials, and equipment shall be provided by the Contractor, and payment therefor shall be considered as having been included in the prices stipulated for the appropriate items of work as listed in the Bid.

341. VEHICLE CROSSINGS

As required or directed by the Owner, the Contractor shall install in selected locations suitable plank, timber or steel crossings substantially bound and reinforced to sustain vehicular traffic across trench or other excavations. Crossings shall be constructed with side and usable approaches for use by the traveling public, private property owners or firefighting equipment. No separate payment will be made for this work, but the cost shall be included in the prices stipulated for the appropriate items of work as listed in the Bid.

342. CLEANING FINISHED WORK

After the work is completed, the sewers, manholes, and structures shall be carefully cleaned free of dirt, broken masonry, mortar, construction and other debris and left in first class condition ready for use. All temporary or excess materials shall be disposed of and the work left broom-clean to the satisfaction of the Owner.

343. DUST CONTROL

At all times during the progress of the work under this contract and when directed, the Contractor shall furnish and apply calcium chloride at the sites of the work over the surfaces of all earth piles along excavations, earth stockpiles and surfaces of refilled trenches, and as directed by the Owner. Payment will be made for furnishing and applying calcium chloride for dust control in accordance with the unit price for this work submitted as part of the Bid.

344. CARE OF THE WORK

The Contractor shall be responsible for all damages to persons or property that occur as a result of their fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all material delivered and work performed until completion and final acceptance, whether or not the same has been covered by partial payments made by the Owner.

345. INDEMNITY

- A. The Contractor will indemnify and hold harmless the Owner and their agents and employees from and against all claims, damages, losses and expenses including attorney's fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense; a) Is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and; b) Is caused in whole or in part by any negligent act or omission of the Contractor any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.
- B. In any and all claims against the or Owner or any of their agents or employees by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under GENERAL CONDITIONS PART I, Section 130 shall not be limited in any way by any limitation on the amount or type of damages, compensation acts, disability benefit acts or other employee benefit acts.

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- C. The obligation of the Contractor under paragraph GENERAL CONDITIONS PART I, Section 130 shall not extend to the liability of the Agency, their agents or employees arising out of a) the preparation or approval of maps, Drawings, opinions, reports, surveys, Change Orders, designs or Specifications or; b) the giving of or the failure to give directions or Instructions by the Agency their agents or employees provided such giving or failure to give is the primary cause of injury or damage.

346. CONSTRUCTION SCHEDULE

- A. In addition to the other requirements specified and prior to issuance of the Notice to Proceed, the Contractor shall confer with the Owner and the Owner for the purpose of drafting a construction schedule satisfactory to the Owner and the Owner which is to include all the work of this contract. The Contractor shall perform the work of this contract to conform to the construction schedule as approved by the Owner, except the Owner reserves the right to amend and alter the construction schedule, as approved, at any time, in a manner which it deems to be in the best interests of the Owner to do so.
- B. The Contractor shall arrange their work under this Contract to conform to the construction schedule as it shall be revised biweekly by the Contractor, at no additional expense to the Owner. The Contractor shall notify the Owner immediately of any circumstances which may affect the performance of the work in accordance with the current construction schedule. Failure to maintain schedule will delay in processing pay applications.

347. OTHER WORK

The Owner reserves the right to do any other work which may connect with, or become a part of, or be adjacent to the work embraced by this Contract, at any time, by contract work or otherwise. The Contractor shall not interfere with or obstruct in any way the work of such other persons as the Owner may employ, and shall execute their own work in such manner as to aid in the executing of work by others as may, be required. No backfilling of trenches or excavations will be permitted until such work by the Owner is completed.

348. CHANGES AND MODIFICATIONS

The Owner reserves the right to delete or cancel any item or items or parts thereof as listed in the Bid, without recourse by the Contractor. The Owner also reserves the right to add to any item or part thereof as listed in the Bid. The compensation to be paid the Contractor for such additional extension, appurtenance or item shall be made under the applicable items as listed in the bid. Where no applicable items are provided in the bid for such additional extension, appurtenance or item, the compensation to be paid the Contractor shall be as set forth under GENERAL CONDITIONS, PART 1, Section 109. No further mobilization charges shall be considered for changes or modifications in the work.

349. LAYOUT OF WORK

- A. The Contractor shall provide all materials, labor, equipment, etc., necessary to layout the work and shall be responsible for all lines, grades, elevations, measurements, etc. conforming to the Americans with Disabilities Act.
- B. The Contractor shall employ a Professional Engineer or Land Surveyor, registered in the State of Rhode Island, for establishing all lines, levels, grades, elevations, measurements, dimensions, locations, etc. The Engineer or Land Surveyor proposed for this work must be approved by the Owner. In addition, as part of the layout of work, they shall be placed at the disposal of the Owner, from time to time as required, for checking purposes.

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- C. The Contractor shall establish control points, at the direction of the Owner suitable for the layout of all utility work, both public and private.
 - D. No separate payment will be made for this work, but the cost shall be included in the prices stipulated for the appropriate items of work as listed in the Bid.
 - E. To assist in the layout of the work, survey data prepared by the Owner, which has been submitted to the Owner, will be made available to the Contractor.

350. PROTECTION OF LIVES AND HEALTH

- A. In order to protect the lives and health of their employees under the Contract, the Contractor shall comply with all pertinent provisions of the U.S. Department of Labor, "Williams-Steiger Occupational Safety and Health Act of 1970", and shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or Causing loss of time from work, arising out of and in the course of employment on work under the contract.
- B. The Contractor alone shall be responsible for the safety, efficiency and adequacy of their plant, appliances and methods, and for any damage which may result from their failure or their improper construction, maintenance or operation.
- C. The Contractor shall be solely responsible for the acts and omissions of their agents, employees and their Subcontractors and their agents and employees and shall hold the Owner harmless and defend the Owner against damage or claims for damages arising out of injuries to others or property of others which result from said acts or omissions.

351. SUBSURFACE STRUCTURES AND UTILITIES

- A. Available information of the location of existing substructures and utilities has been collected from various sources but the results of the investigations shown on the Drawings are not guaranteed to be accurate complete.
- B. The Contractor shall make all supplemental investigations including exploratory excavations, by hand digging, as he seems necessary to uncover and determine the exact locations of utilities and structures and shall have no claims for damages due to encountering subsurface structures or utilities in locations other than shown on the Drawings, or which are made known to the Contractor prior to construction operations.

352. CONTRACTOR'S RESPONSIBILITY FOR DAMAGED STORM DRAINS:

The Contractor shall use care when working within or in the vicinity of existing drainage structures. Any drainage structures or pipes damaged while carrying out any work on this contract shall be the Contractor's responsibility. Any drainage structures or pipes damaged by the Contractor while carrying out this Contract shall be replaced or repaired by the Contractor to the satisfaction of the Owner at no additional charge to the Owner.

353. PROTECTION OF CONSTRUCTION FEATURES

The Contractor shall take adequate precautions to protect existing sidewalks, curbs, pavements, utilities, building vaults, adjoining property and such incidentals and to avoid damage thereto. The Contractor shall completely repair the damage caused by their operations at no additional expense to the Owner.

354. TEST PITS

At locations where new utilities are to connect to existing utilities, the Contractor shall not proceed with the work until a test pit has been dug to determine existing conditions such as inverts of sanitary or storm sewers; outside diameter of water pipes so that sleeves or couplings can be correctly purchased, etc.

355. LOCATION OF WORK

The Contractor's attention is directed to the fact that work under this contract is performed strictly within the Wards, within the City of Providence.

356. PRE-CONSTRUCTION CONFERENCE

- A. Within ten (10) days after award of Contract, a preconstruction conference shall be held between the Owner, the Contractor, and other City of Providence agencies having jurisdiction over the project area.
- B. No work of any nature shall be performed by the Contractor until the pre-construction conference has been held, and all required permits have been obtained.

357. NOTIFICATION PRIOR TO CONSTRUCTION

Not less than ten (10) calendar days prior to the start of any work under this contract the Contractor shall send written notification of their intentions to the following:

DEPARTMENT OF PUBLIC WORKS

700 Allens Avenue
Providence, RI 02905
Leo Perrotta
Director
lperrotta@providenceri.gov
(401) 680-7500

DEPARTMENT OF PLANNING AND DEVELOPMENT

444 Westminster Street
Providence, RI 02903
Robert Azar
Deputy Director
razar@providenceri.gov
(401) 680-8524

RIPTA

705 Elmwood Avenue
Providence, RI 02907
(401) 781-9400

NATIONAL GRID

280 Melrose Street
Providence, RI 02907-2152
Marisa Albanese
Marisa.albanese@nationalgrid.com
(401) 784-7090
Cc: Jim Paulette
Jim.paulette@nationalgrid.com

RIDOT

Two Capitol Hill
Providence, RI 02903

Robert Rocchio,
Chief Engineer
(401) 222-2023
Cc: Mike Sprague
Managing Engineer,
(401) 563-4221

VERIZON

85 High Street
Pawtucket, RI 02865
Peter DeCosta
State Highway Coordinator
(774) 409-3177

COX COMMUNICATIONS

9 J.P. Murphy Hwy.
West Warwick, RI 02893
David Velilla
Right Of Way Agent II
(401) 615-1284

PROVIDENCE WATER SUPPLY BOARD

125 Dupont Drive
Providence, RI 02907
Mr. Peter LePage, Sr., P.E.
Manager of Engineering
plepage@provwater.com
(401) 521-6300 Ext. 7242

DEPARTMENT OF TELECOMMUNICATIONS

1 Communications Place, West Exchange Street
Providence, RI 02903
Carolyn Bourbeau
Director of Telecommunications (401) 243-6000
cbourbeau@providenceri.gov

NARRAGANSETT BAY COMMISSION

1 Service Road
Providence, RI 02905
David Bowens
Engineering Manager
(401) 461-6540
dbowens@narrabay.com
Cc: Margaret Goulet
mgoulet@narrabay.com

This notification shall set forth the Contractor's proposed sequence of construction and shall give the approximate dates of when each street or phase of the work is expected to begin. The sequence of construction shall also state the expected completion dates of each street or phase of the work.

Copies of each notification shall be sent to the Engineering Division, Department of Public Works, 700 Allens Ave., Providence, Rhode Island 02905 (c/o Craig Hochman, chochman@providenceri.gov). The notifications shall reference the Project, include a description of the work to be performed, including street names, and shall indicate when the construction will start. Additionally, the Contractor shall request the name and telephone number of the person or department to be contacted when assistance is required, copies of all replies

shall be forwarded to the Supervisor of Engineering, Department of Public Works, 700 Allens Ave., Providence, Rhode Island 02905.

358. NON-INTERFERENCE WITH ADJACENT PROPERTIES

All work under this Contract shall be performed in a manner which will minimize interference with the normal neighborhood operations.

359. FIRE PROTECTION AND PREVENTION

- A. Federal laws (Occupational Safety and Health Act) and all State and municipal rules and regulations with respect to fire prevention, fire-resistant construction and fire protection shall be strictly adhered to and all work and facilities necessary therefore shall be provided and maintained by the Contractor in an approved manner.
- B. All fire protection equipment such as water tanks, hoses, pumps, extinguishers, and other materials and apparatus shall be provided for the protection of the Contract work, temporary work and adjacent property. Trained personnel experienced in the operation of all fire protection equipment and apparatus shall be available on the sites whenever work is in progress and at such other times as may be necessary for the safety of the public and the work.

360. PLANIMETER

For estimating quantities in which the computation of areas by analytic and geometric methods would be comparatively laborious, it is stipulated and agreed that the planimeter shall be considered an instrument of precision adapted to the measurement of such areas.

361. DAILY REPORTS

The Contractor shall submit, on an approved form, daily activity reports for the duration of the project. The reports shall indicate all personnel currently employed on the work including each trade and every Subcontractor; all equipment and whether such equipment was idle for the particular day; a general description of all work accomplished; any authorized extra work (time and material reports shall be submitted on separate forms).

362. OTHER PROHIBITED INTERESTS

No official of the Owner who is authorized in such capacity and on behalf of the Owner to negotiate, make, accept or approve, or to take part in negotiating, making, accepting or approving any architectural, engineering, inspection, construction or material supply contract or any subcontract in connection with the construction of the project, shall become directly or indirectly interested personally in this Contract or in any part hereof. No officer, employee, architect, attorney, engineer or inspector of or for the Owner who is authorized in such capacity and on behalf of the Owner to exercise any legislative, executive, supervisory or other similar functions in connection with the construction of the project, shall become directly or indirectly interested personally in this contract or in any part thereof, any material supply contract, subcontract, insurance contract, or any other contract pertaining to the project.

363. WATER

The Contractor shall provide and maintain at their own expense an adequate supply of water for their use for construction and domestic consumption, and to install and maintain necessary supply connections and piping for same, but only at such locations and in such manner as may be approved by the Owner. All water shall be carefully conserved. Before final acceptance, temporary connections and piping installed by the Contractor shall be removed in a manner satisfactory to the Owner.

364. ELECTRICITY

All electric current required by the Contractor shall be furnished at their own expense and all temporary connections for electricity shall be subject to approval of the Owner. All temporary lines shall be furnished, installed, connected and maintained by the Contractor in a workmanlike manner satisfactory to the Owner and shall be removed by the Contractor in like manner at their own expense prior to completion of the construction.

365. DRAWINGS

- A. The Contractor shall use the dimensions of the Drawings as shown. Measurements shall not be by scale. Full size details have preference over scale details, and large-scale details and photographs have preference over small.
- B. If discrepancies exist between Drawings and Technical Specifications, or if necessary measurements and work specified or shown is obviously incorrect or impossible to execute, and/or if figures fail to check, the Contractor shall bring these facts to the attention of the Owner. The decision of the Owner as to the intention of the Contract Documents shall be final. No work shall start until all such problems have been resolved.

366. PERMITS**CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS**

- A. Providence Department of Public Works (700 Allens Avenue)
 - 1. Physical Alteration Permit
 - 2. Sewer Permit
 - 3. Road Opening Permit
- B. Providence Traffic Engineering Department (60 Ernest Street)
 - 1. Providence Traffic Engineering permits are required for Posting Emergency No Parking Signs at work zones prior to the beginning of the workday, detour permits and lane/sidewalk closing permits. Traffic Engineering permits are required when work zones occupy public sidewalk or road or a detour is required.
 - 2. The Contractor is responsible for the scheduling of the permit applications as described on the Traffic Engineering website (<http://www.providenceri.gov/public-works/traffic-engineering>). Permit applications shall be sent to Providence Traffic Engineering at least two business days in advance of the requested start date on the permit. The Contractor shall obtain approval from the PDPW or their agent as to the number and time frame of Posting Emergency No Parking Signs prior to scheduling. Failure to obtain traffic engineering permits may result in shutting down the job site and other fines. There will be no compensation paid to the Contractor for job shut down relating to the failure to obtain permits and other fines.
 - 3. The Traffic Engineering permit fees for this project shall be waived.
- C. Narragansett Bay Commission (NBC) (1 Service Road)
NBC Regulations: Section 4.5 Sewer Alteration Permit

Any person(s) planning to initiate road construction which will modify or expose structures such as, but not limited to, manholes, catch basins, and sewers owned by the NBC must obtain a sewer alteration permit before performing any alterations to the NBC's facilities. The sewer alteration permit application must be obtained from the NBC and the applicant shall submit the completed application and any required information prior to issuance of a sewer alteration permit. The sewer alteration permit application information required includes, but is not limited to, the following:

- a. Contact name, company name, address and phone number.
- b. Description of the project along with a sketch or map identifying the location of the project and a drawing which indicates at least two points of reference with distance measurements corresponding to each structure or connection to be altered.
- c. Method(s) which will be utilized to prevent debris from entering NBC sewers.

367. MISCELLANEOUS NOTICES

- A. SIDEWALKS - CURING - All sections prone to pedestrian / vehicular movement shall be protected, as necessary, until proper curing has occurred. All vandalized sections shall be replaced at contractor's expense.
- B. The Providence Department of Public Works does not allow pouring of cement concrete sidewalks between November 17 and April 15 of the next calendar year.
- C. SIDEWALKS - SAWCUTTING - Cutting shall take place at existing control and expansion joints only.

368. COORDINATION WITH OTHER CONTRACTS

The Contractor is hereby notified that multiple construction projects may be ongoing throughout the construction period. The Contractor shall attend bi-weekly meetings or as required by the Owner, at a location to be determined (or virtually), to assure cooperation between all involved parties. Contracts that may require coordination shall be provided to the contractor upon award.

369. JOB SITE POSTERS

The contractor must comply with US Department of Labor requirements for job site posters per Exhibit A at the end of this Section.

370. LIST OF CONTRACT DRAWINGS

INDEX AND TITLE SHEET
GENERAL NOTES
TYPICAL SECTIONS
DETAILS 1-7
GENERAL PLAN 1-5
BIKEWAY PROFILE 1-2
SIGNING AND STRIPING PLAN 1-5
SIGNAL PLAN
CROSS SECTIONS 1-8

All work under this Contract shall be done in conformance with the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions, and the State and Federal Special Provisions included in the contract documents. Standard Details for this project are City of Providence Standard Details, 2017 Edition, with all revisions. Refer to RIDOT Standard Details, 2019 Edition, with all revisions, for all other standard details.

371. UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION:

- A. The Contractor shall contact DIG SAFE at 1-888-DIG SAFE (1-888-344-7233) prior to construction.
- B. The Contractor shall coordinate with the utility Companies and necessary municipal offices prior to the start of work.
- C. Refer to SPECIAL CONDITIONS, Section 357 for utility company contacts.

372. SHOP DRAWINGS:

The Contractor must develop and submit shop drawings, product data, and/or catalogue cut-sheets in accordance with GENERAL CONDITIONS PART 1, Section 117. At a minimum, shop drawings shall be submitted for:

- Item Code T13.9910 – Bicycle Detector – Type D-Q Detector (Double-Quadruple)
 - Special Straight Granite Curb (12" Reveal)
 - 2.375" High Performance Flexible Channelizer
 - High Performance Traffic Separator
 - Surface Mounted Fixed Base for Channelizers
 - IM-Anchor Kit for Channelizers
 - High Friction Surface Treatment – Green (Bike Lanes)
 - Final Epoxy Resin Pavement Making Symbol – Bicycle Detector

373. SEQUENCE OF CONSTRUCTION/MAINTENANCE AND MOVEMENT OF TRAFFIC/WORK RESTRICTIONS:

- A. The Contractor is required to clean any catch basins (pay item code 209.0200) before installing silt sacks to ensure that the silt sack functions correctly.
- B. The Contractor shall note the allowable work durations for specific roadways.
- C. Action Required by Contractor:
 - 1. Approval of the work sequence and time schedule is required before the start of any construction or other work associated with this contract. The proposed construction and time schedule must consider and address the safe vehicle passage through the project.
 - 2. The Contractor Is required to seek a permit from Traffic Engineering whenever occupying the public right of way. Two (2) business days notice are required on permits. Permit fees will be waived.
 - 3. In addition to the requirements of the Standard Specifications for Road and Bridge Construction and the Special Requirements of other sections of these contract documents, the Contractor must adhere to the following requirements:
 - 4. The Contractor is advised that the signs and other traffic control devices shown on the Plans are minimum requirements, and it is the Contractor's responsibility to supplement these if necessary to ensure the public's safety. All Maintenance and Protection of Traffic devices shall be in place and approved by the City of Providence Division of Traffic Engineering prior to starting construction. All Maintenance and Protection of Traffic shall conform with the latest edition and revisions of the Manual on Uniform Traffic Control Devices (MUTCD). The Contractor must submit for approval a traffic control plan when implementing any

changes to the details shown on the plans or when providing traffic control for situations differing from those shown on the plans, including subcontractor work.

5. Any deviations from the requirements stated here or detailed in the plans, as well as any deviation from the approved construction sequence and time schedule, must be submitted to the City of Providence Division of Traffic Engineering in writing for approval a minimum of 24 hours prior to implementation.
6. The construction operations of this project must be coordinated with the local community public safety officials. It is the Contractor's responsibility to coordinate the construction operations of this project with the local public safety officials. In case of an emergency, the Contractor will be required to move equipment to allow the passage of emergency vehicles. The safety of the residents of the area must be considered at all times.
7. The Contractor shall work continuously to restore traffic signal operation to its intended purpose when replacing the traffic signal equipment. A police detail is required to direct traffic at the intersection at all times the traffic signal is inoperative. At no time shall the Contractor leave the site before restoring full traffic signal operations or with the approval of the Owner provide traffic control as directed by the Owner.
8. The Contractor shall maintain one full travel lane (11 foot minimum) in each direction of travel at all times unless otherwise approved by the City of Providence Division of Traffic Engineering. Safe access and egress to side streets and all driveways must be maintained at all times unless otherwise directed by the City of Providence Division of Traffic Engineering. The Contractor shall open the roadway to all parking and vehicle and pedestrian traffic at the end of each work day/night.
9. Detours are permitted only upon written approval from the City of Providence Division of Traffic Engineering. The Contractor must submit a detour plan with written approval from the City of Providence Traffic Engineer.
10. The Contractor shall be responsible for maintaining appropriate construction related signing at all times. Any signs not appropriate for the lane closures, speed limits or any construction activity taking place at any given time shall be removed or covered to the satisfaction of the City of Providence Division of Traffic Engineering.

D. The following definitions will apply:

1. Travel Lane - A travel lane must be at least 11 feet wide and must be paved with a hard smooth surface. This surface may be existing pavement, existing base course, or new pavement. Gravel or dirt surfaces will not be acceptable.
2. Pedestrian Way - A pedestrian way must have an unobstructed clear width of five feet (per ADA requirements) and must have a hard, smooth surface, and must conform to all handicapped accessibility requirements. The surface may be existing pavement, new pavement, or plywood. All wooden walkways shall meet the Owner's approval for surface smoothness and deflection. If there is a drop-off in excess of six inches from the edge of the pedestrian way, a handrail conforming to all applicable standards shall also be provided. There shall be no additional compensation for the provision of Pedestrian Ways; all costs shall be considered incidental to the Contract.

E. Pedestrian ways to all building entrances including service entrances must be maintained at all times. The Contractor shall provide temporary access routes/ramps through

construction areas to insure this access. The Contractor must provide for pedestrians to safely guide them away from broken and uneven pavement, open excavations, drop-offs, construction operations and other hazards at all times.

- F. The Contractor shall backfill or place steel plates capable of supporting HS-20 vehicle loading over all trenches and excavations at the end of work each day except when otherwise directed by the City of Providence Division of Traffic Engineering. There shall be no additional compensation for backfilling, re-excavating and/or plating these trenches.
- G. The Contractor shall install and maintain a Rhode Island Standard 26.2.0 barricade at each location where adjustments to grade and/or reconstruction of drainage and utility structures have been made until resurfacing work has been performed. Other types of protective devices may be used if approved by the City of Providence Division of Traffic Engineering.

374. LEGAL RELATIONS AND RESPONSIBILITIES TO PUBLIC UTILITIES AND FACILITIES:

- A. In those areas where the Contractor's operations are adjacent or proximate to underground utilities such as gas, electric, water, telephone, fire alarm, sanitary and storm sewers, the provisions of Section 105.06 of the Rhode Island Standard Specifications for Road and Bridge Construction shall be followed.
- B. During the process of the work, the Contractor shall cooperate with the Owners of the utilities and permit their representatives access to the work to determine if their utilities are being endangered in any way.

375. WORK ADJACENT TO GAS LINES, WATER LINES AND TELEPHONE DUCTS:

Extreme care, particularly when installing traffic signal poles, foundations, conduit, manholes, catch basins, drain pipes and handholes shall be exercised during construction in the vicinity of the gas lines, water lines and telephone ducts. Complete coordination with the utility companies shall be maintained.

376. BUILDING UTILITY SERVICES:

The Contractor is to assume building services connections (electric, gas, telephone, water, and sanitary) are present to all buildings. Locations are to be checked with appropriate utility companies. The Contractor shall follow the Dig Safe process in accordance with the State of Rhode Island specifications for road and bridge construction.

377. DAMAGE TO EXISTING UTILITIES:

The Contractor shall check and verify the exact location of all existing utilities and service connections with Dig Safe. Any damage to the utilities, which are detailed by Dig Safe, shall be the Contractor's responsibility. Cost to repair such damage shall be borne by the Contractor.

378. LOCAL POLICE COMPENSATION:

It will be the responsibility of the Contractor to retain the services of local police for traffic control and protection for this project, in consultation with the project manager, per Special Provision 999.0001.

379. PARKING SPACE(S) LOSS

With work that requires the loss of any parking space (s), the Contractor will be responsible for obtaining temporary "No Parking" signs from the City of Providence Traffic Engineer and the posting of said signs per special provision 999.0002. The Contractor shall also be responsible for the removal of said temporary signs when the parking space(s) is opened.

380. STORAGE OF CONSTRUCTION MATERIALS AND/OR EQUIPMENT:

In addition to the requirements of Division I Part 100 Section 106.06 "Storage of Materials" of the Rhode Island Standard Specification for Road and Bridge Construction 2004 Edition, the Contractor shall submit for approval the location of Material & Equipment Storage to the Owner. No materials shall be stockpiled in the Public Right-of-Way.

381. DISPOSAL OF SURPLUS MATERIALS:

All existing or other materials not required or needed for use on the project, and not required to be removed and stockpiled, shall become the property of the Contractor and shall be removed from the site during the construction period and legally disposed of. No separate payment will be made for this work, but all costs in connection therewith shall be included in the unit bid prices for this Contract.

382. LOCATION OF SIGNS:

The location of all new signs shall be marked in the field and approved by the City of Providence Division of Traffic Engineering prior to installation.

383. CONSTRUCTION REQUIREMENTS FOR TRAFFIC SIGNAL INSTALLATION:

- A. The Contractor will be allowed to activate the new or revised traffic detectors once the City of Providence Division of Traffic Engineering has determined the minimum system elements have been installed.
- B. A factory representative must be available within 24 to 48 hours to field test new traffic equipment and make any corrections necessary to ensure proper operation as shown on the plans, if necessary and requested by the City of Providence.
- C. When an intersection is completed and activated by the Contractor, the Owner will perform a preliminary inspection. The Owner will provide the Contractor with a report containing the results of the Preliminary Inspection along with a list of work items needed to satisfy this portion of the construction inspection. If the Contractor informs the Owner that items on the list have been corrected and a second inspection indicates items have not been corrected, the Contractor will be back-charged for the second inspection and all subsequent inspections necessary prior to the next phase of the inspection. This does not apply to items that malfunction due to technical failure.
- D. After the items identified during the Preliminary Inspection are mitigated to the satisfaction of the Owner, the second part of the inspection, or Central to Field Integration Inspection, will be conducted. The Owner will provide the Contractor with a report containing the results of the Central to Field Integration inspection along with a list of work items needed to satisfy this portion of the construction inspection. If the Contractor informs the Owner that items on the list have been corrected and a second inspection indicates items have not been corrected, the Contractor will be back-charged for the second inspection and all subsequent inspections necessary for final acceptance except the final inspection. This does not apply to items that malfunction due to technical failure.
- E. It will be the Contractor's responsibility to schedule and provide an on-site, certified traffic signal technician or electrician to implement field modifications with the City, and if require the City Traffic Engineer, and capture any updated signal timing values from the plans. The signal timings, loop testing and cabinet inspections must be checked and approved by the City before the system is made fully operational.
- F. All loop detectors (if applicable) shall be cut into the final pavement surface course in locations shown on the plans. Locations of the video detection zones shown on the plans

are approximate. Final size and locations of the video detection zones shall be positioned in the field and tested in cooperation with the City of Providence Division of Traffic Engineering or its representative to ensure that detection zones are established to cover the approach width and that the detection system is functioning to the satisfaction of the City of Providence.

- G. Any existing traffic signal mounting hardware, brackets, arms, or safety chains that are damaged during construction or are deemed to be unsuitable for relocation (where called for on the plans) shall be replaced in kind and color by the Contractor at no additional cost.

384. SIDEWALK REMOVAL/INSTALLATION:

- A. The Contractor shall take all necessary precautions to prevent damage to walls and fences abutting sidewalks and driveways designated for replacement. Where required, new sidewalks shall meet said walls and fences. Prior to sidewalk removal, a sawcut shall be provided in all sidewalks to be removed a distance, to be determined by the City of Providence Department of Public Works (6 inches minimum) from the face of adjacent buildings, retaining walls, and fences. The final 6 inches (minimum) of sidewalk will be removed with caution under the City of Providence Department of Public Works' supervision. There will be no additional payment for labor or equipment necessary to meet this "remove with caution" requirement.
- B. Any brick, paver, or stamped concrete/asphalt sidewalk, crosswalk, or roadway disturbed by construction activity shall be repaired by the Contractor at no additional cost. Any brick, paver, or stamped concrete/asphalt sidewalk, crosswalk, or roadway damaged or to be restored shall match the same materials that exist, including concrete base if appropriate, unless otherwise indicated on the plans, or directed by the Owner.

385. PAVING NOTES:

- A. The locations of all utility gate boxes and heads shall be marked prior to paving and adjusted upwards after the leveling course has been installed.
- B. The Contractor shall take extreme care to avoid tracking residue (pavement, tack coat, etc.) from newly paved areas onto adjacent areas especially stamped crosswalks. Any surfaces where residue is detected shall be replaced at the expense of the Contractor.

386. CURB RAMPS:

- A. The final location of all curb ramps shall be coordinated in the field with the Owner with proposed and/or existing locations of drainage structures, utility poles, light poles, and other appurtenances to ensure a clear pedestrian path. All proposed curb ramps shall be constructed in accordance with RI Standard 43.3.0 and per the details on the Plans.
- B. The installation of curb ramp curb will include the granite transition stones as well as the flush granite curb at the base of the ramp. In addition, a sawcut of the end sections abutting the 2-foot curb returns to be removed will be necessary (where applicable), to install the curb ramp transition curbs.
- C. Any existing curb ramps disturbed by conduit installation or other construction activities shall be replaced with a new curb ramp in accordance with RI Standard 43.3.0, 43.3.1, 43.3.2 and 48.1.0 including required curbing to match existing, if required.

387. DIFFERING SITE CONDITIONS, CHANGES, AND EXTRA WORK:

Any changes in the original scope of work shall be in accordance with GENERAL CONDITIONS PART I, Section 110.

388. SURVEY OF CURB RADII:

All curb geometry and dimensions shown in the details are approximate. The Contractor shall survey all curb dimensions and radii prior to removal of curb.

389. COORDINATION WITH RIPTA:

The Contractor shall coordinate with the Rhode Island Public Transportation Authority (RIPTA) to ensure that RIPTA remains operational at all times, as specified in the SPECIAL CONDITIONS, Section 326.

390. NATIONAL GRID REQUIREMENTS:

GUIDELINES FOR BACKFILL AND COMPACTION AROUND GAS PIPES PERMANENT BACKFILL AND COMPACTION

DESCRIPTION

This work shall consist of backfilling and compacting all disturbed material at and around existing gas pipes and facilities. Size of pipe, material, length of exposed pipe, location of pipe, etc. will all follow the same set of Standards and Specifications stipulated by National Grid Company. If design plans call for gas pipes to be exposed and supported (sheeting methods not used), then at the time of backfill, all disturbed material below the invert of the gas pipe shall be removed and replaced with suitable roadway or trench excavation material or bedding material.

The contractor will not be allowed to replace this disturbed material with the same existing material if it has now been mixed with adjacent silty subsoil (clays) and fines. Well-graded gravel and sands will be used to replace the unsuitable material when no excess suitable material is available on site. Soils with high humus or mineral content should not be used for backfill because they can promote electrolytic or bacterial attack.

Backfilling the gas pipe should begin immediately after the work in that location is complete.

The region within 6" alongside and on top of the gas pipe shall be backfilled with padding sand (free of cinders, ash, and rock). In no case shall the material used for backfilling in this region contain any stones. Backfill shall consist of suitable materials (medium to coarse sands with little or no silts) placed in layers of not more than 8" to 12" after compaction.

Trench spoil material shall be suitable for backfilling above the padding material as long as rocks with a diameter larger than 3" are removed. The layers shall be mechanically compacted to the industry standard of 95% or until a density comparable to the unexcavated material is achieved. In some instances, flooding with water is an acceptable method of compaction but only if the back-fill material is clean, coarse, and adequate drainage is existent. The above specified backfill material is essential in order to attain the degree of compaction necessary to avoid future settlement.

Tracing Wire, if necessary, shall be installed 2" to 6" below Plastic gas pipes. Warning Tape shall be installed approximately 12" above the gas pipe.

A minimum of 2" temporary pavement shall be applied over the trench as soon as possible.

GUIDELINES FOR WORKING AROUND CORROSION CONTROL SYSTEM COMPONENTS
DESCRIPTION

This guideline shall control work around existing Corrosion Control components. Replacement of test stations, anodes and test wire leads shall comply with Standards and Specifications

stipulated by National Grid. If design plans call for work in the area of Corrosion Control components, care must be taken to prevent damage to such components.

GENERAL NATIONAL GRID CONSIDERATIONS

The contractor shall perform replacement of damaged corrosion control test boxes, resetting of disturbed test boxes, and ensure a minimum of 12" of excess wire above the rim of the test box after set to finished grade. Wires shall not be pulled taught to achieve the 12" above the box, as this will cause stress on the wire connection at the main. Wires needing to be lengthened, damaged corrosion control components i.e. wires, or wire coating, shall require notification to the Corrosion Control Department (525-5610 or 474-5171) to initiate inspection/repair or replacement of the damaged components.

Backfilling exposed Corrosion Control wire components should begin immediately after the work in that location is complete. The region within 6" alongside and on top of the connector wires shall be backfilled with padding sand (free of cinders, ash, and rock). Test wire leads must be kept with enough slack to prevent stress on the points where the wires connect to the gas main. Trench spoil material shall be suitable for backfilling above the padding material as long as rocks with a diameter larger than 3" are removed. The 8" to 12" backfill layers shall be mechanically compacted to the industry standard of 95%.

EFFORTS TO REPAIR GAS LEAKS PRIOR TO FINAL CONSTRUCTION (NIC)

The Contractor shall notify National Grid Gas (Sean Gunter – 617-719-2726) prior to any permanent paving, sidewalk or finishing operations for the purpose of a leak survey.

All efforts shall be made to minimize the time between road excavation/coldplane/reclamation so as to reduce gas leaks. The maximum time between road excavation/coldplane/reclamation is seven (7) calendar days.

391. CITY OF PROVIDENCE TECHNICAL SPECIFICATIONS:

In addition to the standard and job specific specifications included in these Contract Documents, the construction in this Contract shall be in accordance with the City of Providence "Technical Specifications".

392. UTILITY PROBE INFORMATION:

No utility probes were performed.

393. TESTING AND CERTIFICATION OF MATERIALS:

- A. The Contractor shall adhere to the Materials Testing and Certification Schedule in Appendix B. Testing of materials will be per the RIDOT specifications unless determined otherwise by the Owner.
- B. Documentation of conformance to the required testing or certification of compliance as outlined in the schedule for each bid item must be submitted and approved by the Owner prior to request for payment. Partial or complete payment for a given bid item may be delayed or refused without testing/certification documentation approved by the Owner.
- C. Materials not meeting the requirements of the specifications will be rejected. Testing of materials will be completed by the Owner's testing agency. The Contractor is responsible to provide 48-hour advanced notice to the Owner and RIDOT Materials prior to fabrication of precast structures to be inspected at the plant or delivery of any materials to be tested under the Materials Testing and Certification Schedule. Materials sample sizes shall be per

the RIDOT Master Schedule for the Preparation of a Project Schedule for Sampling, Testing, and Certification of Materials, February 2010.

- D. Authorized representatives performing the testing shall have access to the Work at all times and at all locations where the work is in progress. The Contractor shall provide facilities for such access to enable the personnel to perform their functions properly. Concrete and bituminous mixes will be subject to inspection and testing at the mixing plants and at the locations of installation for compliance with quality requirements.

394. FIRST SOURCE ORDINANCE:

The attention of prospective bidders is called to the fact this project is to be bid upon and executed under the City of Providence, Code of Ordinances Chapter 21 Art. III 1/2 First Source Agreements Sec. 21-91 through 21-96. This ordinance outlines requirements for hiring employees to work on this project. The attention of prospective bidders is called to the fact that reporting the efforts undertaken and progress towards achieving the requirements in this ordinance is a condition for payment. Compliance reporting shall be submitted with any contract payment requisition, in the format to be provided. This demonstration of compliance through such reports shall be a condition of the requisition for payment to be processed. Upon the contract being awarded to the successful bidder, a mandatory meeting will be scheduled to review the project requirements relative to the First Source Agreements and the process and protocols by which these goals will be achieved. At this meeting, specific forms and procedures for the documentation and achievement of these requirements by the successful bidder will be provided, discussed and agreed upon for the execution of the contract.

395. APPRENTICE REQUIREMENTS:

Attention of prospective bidders is called to the fact this project is to be bid upon and executed under the City of Providence, Code of Ordinances Chapter 21 Art. II Section 21-28.1 c (1) and (2) relating to utilizing apprentices in the contract. This ordinance outlines requirements for utilizing not less than 15% of total hours worked by apprentices. The attention of prospective bidders is called to the fact that reporting the efforts undertaken and progress towards achieving the requirements in this ordinance is a condition for payment. Compliance reporting shall be submitted with any contract payment requisition, in the format to be provided. This demonstration of compliance through such reports shall be a condition of the requisition for payment to be processed. Upon the contract being awarded to the successful bidder, a mandatory meeting will be scheduled to review the project requirements relative to apprenticeship requirements and the process and protocols by which these goals will be achieved. At this meeting, specific forms and procedures for the documentation and achievement of these requirements by the successful bidder will be provided, discussed and agreed upon for the execution of the contract.

396. AMERICANS WITH DISABILITIES ACT REQUIREMENTS:

All sidewalks being constructed have been designed to comply with current ADA (Americans with Disabilities Act) requirements. A minimum clearance of thirty-six (36) inches of width at a point of narrowing, excluding curb width, and forty-eight (48) inches of continuous width elsewhere is required. Prior to installing any new sidewalks, the contractor must verify, by field review with the Owner, that these requirements have been met. Sidewalk construction shall not commence without prior approval of the Owner in circumstances where these requirements cannot be attained.

397. STORM WATER POLLUTION PREVENTION PLAN:

The Site Storm Water Pollution Prevention Plan (SWPPP) is not required for this project.

398. CONSTRUCTION DURATION/RESTRICTIONS:

All work shall be completed by Winter shutdown, and shall be made safe for pedestrians, bicyclists and motorists.

399. RED LIGHT RUNNING CAMERAS:

The Contractor shall coordinate with Conduent, the City's vendor for red light running cameras, on the necessary adjustments to the equipment due to the lane realignment.

APPENDIX
Dean Street Bicycle & Pedestrian Improvements
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P R O V I D E N C E , R H O D E I S L A N D

- Appendix A Technical Specifications – Job Specific
- Appendix B Materials Testing and Certification Schedule
- Appendix C Construction Details
- Appendix D Distribution of Quantities
- Appendix E Pavement Information
- Appendix F Schedule of Unit Prices
- Appendix G Required Forms

**APPENDIX A:
TECHNICAL SPECIFICATIONS – JOB SPECIFIC**

**APPENDIX B:
MATERIALS TESTING AND CERTIFICATION SCHEDULE**

APPENDIX C: CONSTRUCTION DETAILS

CITY OF PROVIDENCE – STANDARD DETAILS

INDEX

<u>Detail No.</u>	<u>Issue Date</u>	<u>Title</u>
7.3.0P	6/15/98	Granite Curb
7.6.0 P	1/16/17	Curb Setting Detail
43.1.0P	1/6/17	Cement Concrete Sidewalk
20.0.1	6/15/98	Pavement Markings Arrows and Only
60.3.0P	1/6/17	Permanent Roadway Restoration – Concrete Base
7.1.2	6/15/98	6'-0" Precast Concrete Transition Curb
n/a	12/23/08	Typical Lane Closure on Two-Lane Roadway
n/a	12/23/08	Typical Lane Shift on Two-Lane Roadway
19.6.0A/B	6/15/98	Inductance Loop Vehicle Detector Installation Details

Details appearing in this document have been adopted as City of Providence Standard. Refer to Rhode Island Department of Transportation (RIDOT) for all other standard details:
http://www.dot.ri.gov/documents/doingbusiness/RIDOT_Std_Details.pdf

Refer to RIDOT Default Standard Item List for Traffic Engineering standard items.
<http://www.dot.ri.gov/documents/doingbusiness/DefaultStdItemsList%20011415.pdf>

Refer to RIDOT Standard Specifications for Road and Bridge Construction for standard specifications:
<http://www.dot.ri.gov/documents/doingbusiness/Bluebook.pdf>

APPENDIX D: SCHEDULE OF UNIT PRICES

APPENDIX E: REQUIRED FORMS

JOB SPECIFIC

CODE:

HIGH FRICTION SURFACE TREATMENT – GREEN (BIKE LANES)

DESCRIPTION: This work shall consist of furnishing and placing a green-colored High Friction Surface Treatment (HFST) on asphalt or concrete pavement.

The HFST shall be comprised of surface preparation and a minimum of a single layer using a Binder Resin System which holds a surface applied aggregate firmly in place. The Binder Resin System shall include Polymeric or Methyl Methacrylate (MMA) Resins.

QUALIFICATION OF INSTALLER:

A. General

The installer shall submit a minimum of three projects with the owner's contact information on which a cumulative minimum of 5,000 square yards of HFST has been placed within the past three years. An installer who does not meet this minimum shall be allowed if they are certified by the manufacturer to install and a manufacturer's representative is onsite during installations.

B. Quality Control (QC) Plan

The QC plan shall be project specific detailing installer's key personnel, equipment, materials, proposed methods of installation, materials blending procedures, monitoring of ambient temperature, proposed methods of curing and corrective action plan. The QC plan shall also specify that either mark-up panels with approved colors and/or shop drawings showing the same shall be submitted to the City for approval prior to installation of the HFST. The Contractor shall submit a QC plan to the City for approval at least 30 days prior to placement. Any deviation from the approved QC plan shall be cause for immediate suspension of operations.

MATERIALS:

A. General

Resin Binder Systems shall be recommended by the manufacturer as suitable for use on the intended pavement surface and for the potential range of atmospheric exposure.

The contractor shall furnish and install a Resin Binder System that meets the criteria in Table 1:

Property	Test Method	Requirements	
		Polymeric Resin	MMA
Ultimate Tensile Strength	AASHTO M-235	2000-5000 psi	1500-5000 psi
Elongation at break point	AASHTO M-235	30-70%	30-70%
Compressive Strength	ASTM C-579	1600 psi min.	1600 psi min.
Compressive Strength	AASHTO M-235	1000 psi min. at 3 hours 5000 psi min. at 7 days	1000 psi min. at 3 hours 2000 psi min. at 7 days
Water Absorption	AASHTO M-235	1% max.	1% max.
Durometer Hardness (Shore D)	ASTM D-2240	60-80	40-75
Viscosity	ASTM D-2556	Class C: 7-30 poises	Class C: 12-20 poises
Gel Time	AASHTO M-235	Class C: 10 minutes min.	Class C: 10 minutes, min.
Cure Rate (Dry through time)	ASTM D-1640	3 hrs. max.	3 hrs. max.
Adhesive Strength at 24 hours	ASTM D-4541	250 psi min. or 100% substrate failure	250 psi min. or 100% substrate failure

Independent laboratory reports per formulation shall be provided, documenting that the resin binder meets the requirements of this specification. A sample of the resin binder or components lot/batch shall be provided a minimum of 14 days prior to the commencement of work.

At the request of the City, the manufacturer of the Resin Binder System shall certify that the Resin Binder System meets the requirements of this specification. Such certification shall consist of either a copy of the manufacturer's test report or a statement by the manufacturer, accompanied by a copy of the current test results, that the Resin Binder System has been sampled and tested. Such certification shall indicate the date of testing and shall be signed by the manufacturer.

B. Aggregate

The contractor shall furnish and install a high friction aggregate that is clean, dry and free from deleterious material. The high friction aggregate shall be Calcined Bauxite.

The calcined bauxite aggregate shall meet the properties shown in Table 2:

Property	Test Method	Requirement
Polish Stone Value	AASHTO T-279	65 min.
Resistance to Degradation	AASHTO T-96	20% max.
Aggregate Grading	AASHTO T-27	No. 4 Percent Passing 100% min.

		No. 6 Percent Passing 95% min. No. 16 Percent Passing 5% max.
Moisture Content	AASHTO T-255	0.2% max.
Aluminum Oxide	ASTM C-25	87% min.

All aggregates shall be furnished in appropriate packaging that is clearly labeled and protects the aggregate from any contaminates on the jobsite and from exposure to rain or other moisture.

Unless the HFST is on the RIDOT Qualified Products List, the manufacturer shall provide a 50 lb bag of aggregate accompanied to the City for approval a minimum of 14 days prior to the commencement of work. On all projects and regardless of the HFST status on the RIDOT Qualified Products List, the manufacturer of the aggregate shall certify that the aggregate meets the requirements of this specification. Such certification shall consist of either a copy of the manufacturer's report or a statement by the manufacturer, accompanied by a copy of the current test results, that the aggregate has been sampled and tested. Such certification shall indicate the date of testing and shall be signed by the manufacturer.

C. Color

The color of the HFST material shall be green, as specified in the Federal Highway Administration (FHWA) Interim Approval for Optional Use of Green Colored Pavement for Bike Lanes (IA-14), dated April 15, 2011. Green pigment used for this purpose shall be applied to the Resin Binder System and the aggregate. The Contractor shall certify that any Resin Binder System and/or aggregate treated with green pigment shall conform to the above material requirements of this specification.

CONSTRUCTION METHODS:

A. Construction Requirements

A manufacturer's representative of the Resin Binder System shall be present at the jobsite during all construction operations relating to the preparation and placement of the HFST. All construction operations relating to the HFST shall meet the recommendations of the manufacturer's representative. Final approval of all HFST placement operations will be given by the City.

B. Weather Limitations

Resin Binder system shall not be placed on any wet surface or when the ambient temperature or the temperature of the pavement is below the manufacturer's recommendations or when the anticipated weather conditions would prevent the proper application of the surface treatment as directed by the manufacturer's representative.

C. Surface Preparations

The surface shall be thoroughly cleaned immediately prior to installation of the HFST. The surface shall be clean, dry and free of all dust, oil, debris and any other material that might interfere with the bond between the resin binder material and the existing surface as recommended by the manufacturer's representative. HFST may not be placed on any new HMA pavement that has been placed in the previous 30 days with motor vehicle traffic or 60 days without motor vehicle traffic.

The contractor shall pre-treat joints and crack greater than ¼ inch in width and depth with the mixed Resin Binder System. Once the resin binder in the pre-treated areas has gelled, the installation of the HFST may proceed.

Surface preparation work, surface temperature and placement of the HFST shall be in conformance with the binder supplier's specifications and as approved by the manufacturer's representative.

All existing edge line pavement markings that are adjacent to the HFST location shall be covered and protected as approved by the City prior to performing surface preparation. HFST shall not be placed over existing pavement markings or rumble strips. Lane line pavement markings that conflict with the HFST installation shall be removed by methods approved by the manufacturer's representative. Any existing edge line pavement markings that are damaged during the HFST application process shall be replaced at the contractor's expense per direction of the City.

HFST shall be allowed to cure for the minimum duration as recommended by the binder component supplier's specifications and during that time the application area shall be closed to all vehicles and contractor's equipment traffic. After placement and cure of the HFST, the contractor shall test the finished surface in accordance with ASTM D7234 to detect unbonded areas.

Excess and loose aggregate shall be removed from the traveled way and shoulders in such a way that the HFST is not damaged or disturbed. Excess aggregate that can be reused shall be reclaimed by a Vacuum sweeper. The recovered aggregate shall be clean, uncontaminated and dry, if it is to be re-used in the HFST application.

Utilities, drainage structures, curbs and any other structures within or adjacent to the treatment location shall be protected against the application of the HFST materials.

HFST shall not be applied to newly placed asphalt pavement surfaces that are less than 30 days old, unless the surface is sandblasted as approved by the manufacturer's representative, prior to application.

D. Surface Friction Test

The surface friction of the completed HFST shall meet a minimum requirement of 65 FN40R from the ASTM E274 test. RIDOT-Highway Division will perform this test within 7 calendar days after completion of the HFST.

Any surface that fails to conform to the above friction requirement must be removed and replaced at the contractor's expense within 24 hours after being notified by the City.

E. Application Methods

HFST shall be applied in accordance with the manufacturer's recommendations. The HFST can be applied by either mechanical or manual techniques as follows: mechanical application shall be required for all travel lanes and shoulders, mechanical or manual application is required for smaller surface areas requiring hand work such as small areas of HFST application, crosswalks, narrow median or smaller areas of special delineation and as approved by the City.

The Resin Binder System shall be blended and mixed in the ratio per the manufacturer's specification (+/- 2% by volume) and shall be continuously applied once blended. The Resin Binder System shall be applied at a uniform thickness of 50-65 mils (25-32 square feet per gallon). Coverage rate is based upon expected variances in the surface profile of the pavement.

The operation shall proceed in such a manner that will not allow the mixed material to separate, cure, dry, be exposed or otherwise harden in such a way as to impair retention and bonding of the high friction aggregate.

The high friction aggregate shall be immediately applied at a rate of 12-15 pounds per square yard (achieving saturation) in such a manner that there is no disruption to the leveled binder. It is the responsibility of the contractor to ensure full embedment of the high friction aggregate. Wet spots shall be covered with the high friction aggregate prior to the gelling of the Resin Binder System.

Walking, standing on, or any form of contact or contamination with the wet uncured Resin Binder System, prior to application of the aggregate, will result in that section of Resin Binder System being removed and replaced at the contractor's expense.

METHOD OF MEASUREMENT: "High Friction Surface Treatment – Green (Bike Lanes)" will be measured for payment by the total SQUARE FOOT area of HFST material and shall be the actual number of square feet applied as directed and approved by the City.

BASIS OF PAYMENT: "High Friction Surface Treatment – Green (Bike Lanes)" shall be paid for at the contract unit price per SQUARE FOOT of HFST material applied under this item in the Contract, which shall be full compensation for all labor, materials, tools, equipment, testing and incidental items necessary to complete the described work to the satisfaction of the City.

JOB SPECIFIC

CODE:

2.375" HIGH PERFORMANCE FLEXIBLE CHANNELIZER

DESCRIPTION: This work shall consist of furnishing and installing flexible channelizer posts at the locations indicated on the Plans and/or as directed by the City. This product shall be manufactured by Impact Recovery Systems, Inc. or an approved equal.

MATERIALS: The posts shall be High Density Polyethylene.

CONSTRUCTION METHODS: Contractor shall submit product literature for the performance and operation of the channelizer, materials of construction, and dimensions and weights. Contractor shall also submit an installation manual, and shop drawings clearly showing dimensions of the channelizer and connection details for installation, for approval by the Resident prior to ordering. 2.375" High Performance Flexible Channelizers shall be installed in accordance with the manufacturer's installation manual (or other documents) and approved submittals.

METHOD OF MEASUREMENT: "2.375" High Performance Flexible Channelizers" will be measured by "Each" such 2.375" High Performance Channelizer actually furnished and installed in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: "2.375" High Performance Flexible Channelizers" will be paid for at the contract unit price per "Each" as listed in the Proposal. The price so-stated constitute full and complete compensation for all labor, materials, and equipment, and all other incidentals required to finish the work, complete and accepted by the City.

JOB SPECIFIC

CODE:

HIGH PERFORMANCE TRAFFIC SEPARATOR

DESCRIPTION: This work shall consist of furnishing and installing traffic separators at the locations indicated on the Plans and/or as directed by the City. This product, Tuff Curb® XLP – Extreme Low Profile Curbing System, is manufactured by Impact Recovery Systems, Inc. or an approved equal.

MATERIALS: The traffic separator shall be molded from a single piece of durable High Density Polyethylene and utilize IRS's patented reboundable spring post system. The separator shall withstand 20,000 lbs. of static force from a single wheel.

CONSTRUCTION METHODS: Contractor shall submit product literature for the performance and operation of the curbing system, materials of construction, and dimensions and weights. Contractor shall also submit an installation manual, and shop drawings clearly showing dimensions of the curbing system and connection details for installation, for approval by the Resident prior to ordering. High Performance Traffic Separator shall be installed in accordance with the manufacturer's installation manual (or other documents) and approved submittals.

METHOD OF MEASUREMENT: "High Performance Traffic Separator" will be measured by "Each" such High Performance Traffic Separator actually furnished and installed in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: "High Performance Traffic Separator" will be paid for at the contract unit price per "Each" as listed in the Proposal. The price so-stated constitute full and complete compensation for all labor, materials, and equipment, and all other incidentals required to finish the work, complete and accepted by the City.

JOB SPECIFIC

CODE:

SURFACE MOUNT FIXED BASE FOR CHANNELIZERS

DESCRIPTION: This work shall consist of furnishing and installing surface mount fixed bases at the locations indicated on the Plans and/or as directed by the City. This product is manufactured by Impact Recovery Systems, Inc. or an approved equal.

MATERIALS: The base shall be High Density Polyethylene.

CONSTRUCTION METHODS: Contractor shall submit product literature for the performance and operation of the fixed base, materials of construction, and dimensions and weights. Contractor shall also submit an installation manual, and shop drawings clearly showing dimensions of the fixed base and connection details for installation, for approval by the Resident prior to ordering. Surface Mount Fixed Bases shall be installed in accordance with the manufacturer's installation manual (or other documents) and approved submittals.

METHOD OF MEASUREMENT: "Surface Mount Fixed Bases" will be measured by "Each" such Surface Mount Fixed Base actually furnished and installed in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: "Surface Mount Fixed Bases" will be paid for at the contract unit price per "Each" as listed in the Proposal. The price so-stated constitute full and complete compensation for all labor, materials, and equipment, and all other incidentals required to finish the work, complete and accepted by the City.

JOB SPECIFIC

CODE:

IM-ANCHOR-KIT FOR CHANNELIZERS

DESCRIPTION: This work shall consist of furnishing and installing anchor kits at the locations indicated on the Plans and/or as directed by the City. This product is manufactured by Mungo Befestigungstechnik AG, or an approved equal. Each kit shall consist of four 16mm x 3" plastic sleeves, four 1/2" x 4" lag screws, and four 1-1/4" metal washers.

MATERIALS: Materials shall follow manufacturer's specifications.

CONSTRUCTION METHODS: Contractor shall submit product literature for the performance and operation of the anchor kit, materials of construction, and dimensions and weights. Contractor shall also submit an installation manual, and shop drawings clearly showing dimensions of the anchor kits and connection details for installation, for approval by the Resident prior to ordering. "IM-Anchor Kits" shall be installed in accordance with the manufacturer's installation manual (or other documents) and approved submittals.

METHOD OF MEASUREMENT: "IM-Anchor Kits" will be measured by "Each" such kit actually furnished and installed in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: "IM-Anchor Kits" will be paid for at the contract unit price per "Each" as listed in the Proposal. The price so-stated constitute full and complete compensation for all labor, materials, and equipment, and all other incidentals required to finish the work, complete and accepted by the City.

JOB SPECIFIC

CODE: T20.3418

FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL – BICYCLE DETECTOR

DESCRIPTION: This work shall consist of furnishing and applying the Bicycle Detector Final Epoxy Resin Pavement Marking Symbols at the width, and locations indicated on the Plans, all in accordance with the RIDOT Standard Specifications for Road and Bridge Construction.

MATERIALS: These markings shall be epoxy resin. Composition, binder, pigments, thermoplastic compound pavement marking material, reflective glass spheres, and epoxy resin marking material shall conform to the applicable requirements of SECTION M.17; PAVEMENT MARKINGS, of RIDOT Standard Specifications for Road and Bridge Construction.

CONSTRUCTION METHODS: Construction methods shall follow those specified in sections T.20 in the RIDOT Standard Specifications for Road and Bridge Construction for Epoxy Resin Pavement Markings.

METHOD OF MEASUREMENT: "Final Epoxy Resin Pavement Marking Symbols – Bike Detector" will be measured by "Each" such Final Epoxy Resin Pavement Marking Symbol actually furnished and installed in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: The accepted quantity of "Pavement Markings" will be paid for at their respective contract unit prices per linear foot, per each; or by lump sum; for each type or types, as listed in the Proposal. The prices so-stated shall constitute full and complete compensation for all labor, tools, materials and equipment, including protection of newly applied markings from traffic, layout, cleaning and sweeping, furnishing and applying the pavement markings, and all incidentals required to finish the work, complete in place and accepted by the City.

JOB SPECIFIC

CODE:

SPECIAL STRAIGHT GRANITE CURB (12" REVEAL)

DESCRIPTION: This work shall consist of installing 12" granite curb at the locations indicated on the Plans and/or as directed by the City.

MATERIALS: Granite curbing shall conform to the requirements of Subsections M.09.01 and M.09.02; Granite Curb for Roadways and Granite Slope Curbing for Roadways, respectively, of these Specifications. Curbing shall be dimensionally in accordance with the RIDOT Standard 7.3.0 and 7.3.1, except shall have a vertical dimension of 36 inches and be installed with a 12-inch reveal.

Amend 906.03 CONSTRUCTION METHODS to read:

906.03.1 Granite Curbing.

b. Joints. Curbing units shall be placed end-to-end as close as possible. No more than ½-inch opening shall show for the full width of the top and the top 14 inches of the vertical joint.

Add to pay items and units:

Special Straight Granite Curb (12" Reveal)

Linear Foot

JOB SPECIFIC

CODE:

REMOVE AND RELOCATE MONUMENT

DESCRIPTION: This work shall consist of removal and resetting of the concrete monument at the intersection of Pleasant Valley Parkway and Valley Street, as shown on the Plans and as directed by the City. All work shall be in conformance with the relevant provisions of the Standard Specifications and the following:

The work shall include removal of the existing monument by a licensed rigger, excavation for and construction of a new cement concrete foundation as shown on the Plans, backfilling, and resetting the monument reusing the existing connections.

Prior to the commencement of any work under this Item, the Contractor shall submit to the City a plan to inspect and determine the existing connections between the monument base and foundation. The plan shall also detail methods for careful removal of the monument and its base from the existing foundation and relocation to the new foundation. The plan shall be approved by the City prior to commencement of work under this Item.

Any damage to the monument deemed by the City to have been caused by the Contractor may warrant the entire monument being recreated at the expense of the Contractor.

MATERIALS: Not applicable.

CONSTRUCTION METHODS: The Contractor shall assign experienced tradesmen to provide the required assistance to personnel removing and relocating the monument at the site of the work. Preparation of subgrade, construction of foundation and setting to be approved by the City prior to commencement of work under this item.

METHOD OF MEASUREMENT: This item does not require a measurement for payment.

BASIS OF PAYMENT: "Remove and Relocate Monument" will be paid for at the contract lump sum price as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials, tools, and equipment, including construction and area restoration, and all incidentals required to perform the work, complete and accepted by the City.

JOB SPECIFIC

CODE: T13.9910

BICYCLE DETECTOR - TYPE D-Q DETECTOR (DOUBLE-QUADRUPLE)

DESCRIPTION: This work shall consist of furnishing and installing inductance loop bicycle detectors, and necessary wiring and appurtenances at the locations where indicated on the Plans or as directed by the City. This work shall be in accordance with all applicable sections of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

MATERIALS: Loop detector wire, splicing kit, loop detector lead-in cable, loop detector relays, and pedestrian detectors shall conform to Subsections M.15.02.5, M.15.02.6, m.15.14 and M.15.17, respectively, of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

CONSTRUCTION METHODS: All construction methods for inductance loop bicycle detectors, loop detector relays, and necessary wiring and appurtenances shall conform to Subsection T.13.03 of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

METHOD OF MEASUREMENT: "Bicycle Loop Detectors" will be measured by the number of linear feet of saw cut actually made in accordance with the Plans and/or as directed by the City.

BASIS OF PAYMENT: The accepted quantity of "Bicycle Loop Detectors" will be paid for at the contract unit price per linear foot of saw cut as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials, tools, and equipment, including saw cut, loop cable, flexible PVC or vinyl conduit under the curb, sealing compound, splicing, and connecting, testing, and all incidentals required to perform the work, complete and accepted by the City.

When replacing existing loops, the cost of excavating and installing flexible conduit between the handhole and the curb shall be included in the cost of the loop.

**MATERIALS TESTING AND CERTIFICATION SCHEDULE
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS
MAY 2021**

ITEM NO.	QTY	ITEM DESCRIPTION	UOM	MINIMUM TESTING/CERTIFICATIONS	MIN. NO. TESTS
201.0301	1	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"-24")	EA	NO TEST REQUIRED	-
201.0403	55	REMOVE AND DISPOSE SIDEWALKS	SY	NO TEST REQUIRED	-
201.0409	950	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	SY	NO TEST REQUIRED	-
201.0450	760	REMOVE AND STOCKPILE ON SITE GRANITE CURB	LF	NO TEST REQUIRED	-
201.0608	5	REMOVE AND STOCKPILE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGN	EA	NO TEST REQUIRED	-
202.0100	700	EARTH EXCAVATION	CY	NO TEST REQUIRED	-
206.0301	1300	COMPOST FILTER SOCK	LF	NO TEST REQUIRED	-
209.0200	5	SACK INSERT CATCH BASIN INLET PROTECTION	EA	NO TEST REQUIRED	-
301.0200	250	GRAVEL BORROW BASE COURSE	CY	Soil - Acceptance Test - 1) One (1) 50 lbs sample per source or geological change for a Proctor and gradation; 2) One (1) field density test per 1,000 CY.	1
401.1003	75	CLASS 19.0 HMA FOR PATCHING	TON	1. One (1) sample per 500 tons or less for gradation & asphalt content. 2. Three (3) cores per 500 tons to Determine Bulk Specific Gravity. 3. Two (2) density tests per type of mix. 4. Two (2) full depth cores per lane mile and or shoulder if applicable, per type of mix for depth measurements.	1
401.3000	255	CLASS 9.5 HMA	TON	1. One (1) sample per 500 tons or less for gradation & asphalt content. 2. Three (3) cores per 500 tons to Determine Bulk Specific Gravity. 3. Two (2) density tests per type of mix. 4. Two (2) full depth cores per lane mile and or shoulder if applicable, per type of mix for depth measurements.	1
401.3003	50	CLASS 9.5 HMA FOR PATCHING	TON	1. One (1) sample per 500 tons or less for gradation & asphalt content. 2. Three (3) cores per 500 tons to Determine Bulk Specific Gravity. 3. Two (2) density tests per type of mix. 4. Two (2) full depth cores per lane mile and or shoulder if applicable, per type of mix for depth measurements.	1
403.0300	1710	ASPHALT EMULSION TACK COAT	SY	Liquid AC - Acceptance Test - 1) One (1) 1-quart sample per project for relevant AASHTO Tests	1
601.0300	50	CLASS A PORTLAND CEMENT CONCRETE	CY	1. Concrete Mix - a. Acceptance Test - 1) Four (4) cylinders for less than 100 CY, six (6) over 100 CY per 150 CY or each day's production for compressive strength tests 1. Concrete Mix - a. Acceptance Test - 2) One (1) sample per 150 CY or each day's production for slump test.	1

				<p>1. Concrete Mix - a. Acceptance Test - 3) One (1) sample per 150 CY or each day's production for an air content test.</p> <p>2. Portland Cement - a. Acceptance Test - 1) One (1) 6 lbs sample per plant per 2 week period randomly sampled and tested every 3 months for relevant AASHTO tests.</p> <p>2. Portland Cement - b. Process Control Test - 1) One (1) Mill Test Report per source, per lot of portland cement.</p> <p>3. Coarse Aggregate - a. Acceptance Test - 1) One (1) sample per 150 CY for a gradation.</p> <p>3. Coarse Aggregate - a. Acceptance Test - 2) One (1) 150 lbs sample per year for L.A. Abrasion Tests, a sodium sulfate soundness test, specific gravity and unit weight measurements.</p> <p>4. Fine Aggregate - a. Acceptance Test - 1) One (1) sample per 150 CY for a gradation (fineness modulus).</p> <p>4. Fine Aggregate - a. Acceptance Test - 2) One (1) 50 lbs sample per year for a gradation (fineness modulus), specific gravity, unit weight and absorption.</p> <p>5. Steel Reinforcing - a. Acceptance Test - 1) Two (2) 3 foot long samples per size, per source, per year for a tension and bend test.</p> <p>5. Steel Reinforcing - b. Process Control Test - 1) One (1) Mill Test Report per shipment, per size, per source, per heat number.</p> <p>6. Mineral Admixture - a. Acceptance Test - 1) One (1) 6 lbs sample per plant per 2 week period randomly sampled and tested every 3 months for relevant AASHTO tests.</p> <p>6. Mineral Admixture - b. Process Control Test - 1) One (1) Mill Test Report per truck load of mineral admixture (fly ash, slag, microsilica).</p>	
702.0510	3	HEAVY-DUTY SQUARE FRAME AND ROUND COVER STANDARD 6.1.1	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
707.2000	2	ADJUST FRAME AND GRATE TO GRADE	EA	NO TEST REQUIRED	-
810.0300	1500	EPOXY COATED BARS GRADE 60	LB	1) One (1) 24" piece for coating thickness and bar gauge measurements.	1
819.0800	560	DRILL AND GROUT REINFORCING DOWELS	EA	<p>1. One (1) certificate of compliance per type per source for dowels.</p> <p>2. Grout used must be on the Materials Approved List.</p>	1
905.0110	10	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	CY	<p>1. Concrete Mix - a. Acceptance Test - 1) Four (4) cylinders for less than 100 CY, six (6) over 100 CY per 150 CY or each day's production for compressive strength tests</p> <p>1. Concrete Mix - a. Acceptance Test - 2) One (1) sample per 150 CY or each day's production for slump test.</p> <p>1. Concrete Mix - a. Acceptance Test - 3) One (1) sample per 150 CY or each day's production for an air content test.</p> <p>2. Portland Cement - a. Acceptance Test - 1) One (1) 6 lbs sample per plant per 2 week period randomly sampled and tested every 3 months for relevant AASHTO tests.</p> <p>2. Portland Cement - b. Process Control Test - 1) One (1) Mill Test Report per source, per lot of portland cement.</p> <p>3. Coarse Aggregate - a. Acceptance Test - 1) One (1) sample per 150 CY for a gradation.</p>	1

				<p>3. Coarse Aggregate - a. Acceptance Test - 2) One (1) 150 lbs sample per year for L.A. Abrasion Tests, a sodium sulfate soundness test, specific gravity and unit weight measurements.</p> <p>4. Fine Aggregate - a. Acceptance Test - 1) One (1) sample per 150 CY for a gradation (fineness modulus).</p> <p>4. Fine Aggregate - a. Acceptance Test - 2) One (1) 50 lbs sample per year for a gradation (fineness modulus), specific gravity, unit weight and absorption.</p> <p>5. Steel Reinforcing - a. Acceptance Test - 1) Two (2) 3 foot long samples per size, per source, per year for a tension and bend test.</p> <p>5. Steel Reinforcing - b. Process Control Test - 1) One (1) Mill Test Report per shipment, per size, per source, per heat number.</p> <p>6. Mineral Admixture - a. Acceptance Test - 1) One (1) 6 lbs sample per plant per 2 week period randomly sampled and tested every 3 months for relevant AASHTO tests.</p> <p>6. Mineral Admixture - b. Process Control Test - 1) One (1) Mill Test Report per truck load of mineral admixture (fly ash, slag, microsilica).</p>	
906.0112	125	GRANITE CURB PROVIDENCE STANDARD 7" STRAIGHT	LF	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
906.0113	250	GRANITE CURB PROVIDENCE STANDARD 7" CIRCULAR	LF	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
906.0120	5	GRANITE WHEELCHAIR RAMP CURB STANDARDS 7.3.3, 43.3.0, AND 43.3.1	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
907.0100	5	WATER FOR DUST CONTROL	MGAL	NO TEST REQUIRED	-
907.0200	5	CALCIUM CHLORIDE FOR DUST CONTROL (PROJECT WIDE)	TON	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
914.5010	640	FLAGPERSONS	MHRS	NO TEST REQUIRED	-
914.5020	160	FLAGPERSONS - OVERTIME	MHRS	NO TEST REQUIRED	-
922.0100	170	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	SF	1 CERTIFICATE OF COMPLIANCE PER SOURCE - 1. Membrane - a. Process Control Test - One (1) certificate of compliance per type, per size, per source (or per batch).	1
923.0200	100	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE - 1. Membrane - a. Process Control Test - One (1) certificate of compliance per type, per size, per source (or per batch).	1
932.0210	900	FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT AND RIGID BASE	LF	NO TEST REQUIRED	-
932.0230	20	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	LF	NO TEST REQUIRED	-
936.0100	1	MOBILIZATION AND DEMOBILIZATION	LS	NO TEST REQUIRED	-
942.0200	50	DETECTABLE WARNING PANEL STANDARD 48.1.0	SF	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
L01.0102	700	LOAM BOROW 4 " DEEP	SY	1 Sample per source for loss on ignition, PH and gradation tests	1
L02.0102	700	RESIDENTIAL SEEDING (TYPE 2)	SY	1 CERTIFIED ANALYSIS PER TYPE, PER SOURCE.	1
L11.0102	35	TREE PLANT PROTECTION DEVICE	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
T04.5302	40	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	LF	1 CERTIFICATE OF COMPLIANCE, PER TYPE, PER SIZE, PER SOURCE	1
T05.0200	1	PRECAST TYPE H HEAVY DUTY HANDHOLE STANDARD 18.2.1	EA	1 CERTIFICATE OF COMPLIANCE, PER TYPE, PER SIZE, PER SOURCE	1

T13.1000	700	TRAFFIC DETECTORS - LOOP STANDARD 19.6.0	LF	1 CERTIFICATE OF COMPLIANCE PER TYPE, PER BATCH, PER SOURCE.	1
T13.9910	120	BICYCLE DETECTOR - TYPE D-Q DETECTOR (DOUBLE-QUADRUPLE)	LF	1 CERTIFICATE OF COMPLIANCE PER TYPE, PER BATCH, PER SOURCE.	1
T15.0100	125	DIRECTIONAL, REGULATORY AND WARNING SIGNS	SF	1 CERTIFICATE OF COMPLIANCE PER SOURCE FOR SIGNS AND POSTS	1
T20.2404	2700	4 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS	LF	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.2412	725	12 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS	LF	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.2804	725	4 INCH YELLOW FINAL EPOXY RESIN PAVEMENT MARKINGS	LF	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.3401	5	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0	EA	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.3405	28	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL - YIELD LINE TRIANGLE (ALL SIZES)	EA	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.3416	13	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL SET- BIKE LANE (HELMETED BICYCLIST AND ARROW)	EA	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.3418	1	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL - BICYCLE DETECTOR	EA	PAINT AND GLASS BEADS; 1 CERTIFICATE OF COMPLIANCE PER SOURCE, PER BATCH, 1 SAMPLE PER SOURCE, PER BATCH FOR RELEVANT TESTS	1
T20.4506	2600	REMOVE PAVEMENT MARKING LINE - LESS THAN OR EQUAL TO 6 INCHES WIDE	LF	NO TEST REQUIRED	-
T20.4508	500	REMOVE PAVEMENT MARKING LINE - GREATER THAN 6 INCHES WIDE	LF	NO TEST REQUIRED	-
T20.4511	5	REMOVE PAVEMENT MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED)	EA	NO TEST REQUIRED	-
T20.4515	5	REMOVE PAVEMENT MARKING SYMBOL - YIELD LINE TRIANGLE (ALL SIZES)	EA	NO TEST REQUIRED	-
T20.4520	5	REMOVE PAVEMENT MARKING WORD ("ONLY", "STOP", "YIELD", "AHEAD", "XING", "SCHOOL", OR OTHER)	EA	NO TEST REQUIRED	-
T20.4526	10	REMOVE PAVEMENT MARKING SYMBOL SET - BIKE LANE (HELMETED BICYCLIST AND ARROW)	EA	NO TEST REQUIRED	-
T20.4527	5	REMOVE PAVEMENT MARKING SYMBOL SET - SHARED LANE MARKING FOR BICYCLES	EA	NO TEST REQUIRED	-
-	640	POLICE DETAIL	MHRS	NO TEST REQUIRED	-
-	260	SPECIAL STRAIGHT GRANITE CURB (12" REVEAL)	LF	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
-	94	2.375" HIGH PERFORMANCE FLEXIBLE CHANNELIZER	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
-	82	HIGH PERFORMANCE TRAFFIC SEPARATOR	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
-	12	SURFACE MOUNT FIXED BASE FOR CHANNELIZERS	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
-	12	IM-ANCHOR KIT FOR CHANNELIZERS	EA	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1

-	2100	HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES)	SF	1 CERTIFICATE OF COMPLIANCE PER SOURCE	1
-	1	REMOVE AND RELOCATE MONUMENT	LS	NO TEST REQUIRED	-

**MATERIALS TESTING AND CERTIFICATION SCHEDULE
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS
MAY 2021**

NOTES:

1. ALL MATERIALS SAMPLING AND TESTING TO BE PERFORMED BY CITY OF PROVIDENCE OR CITY'S DESIGNATED REPRESENTATIVE.
2. TESTING FREQUENCIES ARE MINIMUMS AND SUBJECT TO MODIFICATION BY THE CITY OF PROVIDENCE WITH APPROVAL FROM RIDOT DUE TO PROJECT CONSIDERATIONS.
4. CONTRACTOR TO PROVIDE 48 HOUR ADVANCED NOTICE TO CITY OF PROVIDENCE PRIOR TO DELIVERY OF ANY MATERIALS TO BE TESTED UNDER THIS SCHEDULE.
ADJUST FRAME & COVER TO GRADE
3. CONTRACTOR TO PROVIDE 48 HOUR ADVANCED NOTICE TO CITY OF PROVIDENCE PRIOR TO FABRICATION OF PRECAST STRUCTURES TO BE INSPECTED AT THE PLANT.
ADJUST WATER GATE BOXES TO GRADE
ADJUST FRAME & GRATE TO GRADE
ADJUST SANITARY MANHOLE
5. THIS SCHEDULE WAS PREPARED IN ACCORDANCE WITH THE RIDOT MASTER SCHEDULE FOR THE PREPARATION OF A PROJECT SCHEDULE FOR SAMPLING, TESTING, AND CERTIFICATION OF MATERIALS, 1998 EDITION (MST) AND ALL UPDATES.
6. MATERIALS SAMPLE SIZE SHALL BE PER THE RIDOT MST. MST CAN BE ACCESSED AT:
<http://www.dot.state.ri.us/documents/engineering/research/materials/MasterScheduleev1998.pdf>
7. RIDOT LISTS FOR APPROVED PRODUCTS, PLANTS, CONCRETE AND BITUMINOUS MIXES CAN BE ACCESSED AT:
http://www.dot.ri.gov/engineering/materials_research/Approvals/index.asp

<i>Item No.</i>	<i>Est Qty.</i>	<i>Item of Work with Unit Prices Written in Words</i>	<i>Figures</i>			
			<i>Unit Price</i>		<i>Amount (P x Q)</i>	
			<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>	<i>Cents</i>
201.0301	1	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"-24") at _____ EA				
201.0403	75	REMOVE AND DISPOSE SIDEWALKS at _____ SY				
201.0409	1150	REMOVE AND DISPOSE FLEXIBLE PAVEMENT at _____ SY				
201.0450	760	REMOVE AND STOCKPILE ON SITE GRANITE CURB at _____ LF				
201.0608	5	REMOVE AND STOCKPILE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGN at _____ EA				
202.0100	700	EARTH EXCAVATION at _____ CY				

206.0301	1300	COMPOST FILTER SOCK at _____ LF				
209.0200	5	SACK INSERT CATCH BASIN INLET PROTECTION at _____ EA				
301.0200	250	GRAVEL BORROW BASE COURSE at _____ CY				
401.1003	75	CLASS 19.0 HMA FOR PATCHING at _____ TON				
401.3000	255	CLASS 9.5 HMA at _____ TON				
401.3003	50	CLASS 9.5 HMA FOR PATCHING at _____ TON				
403.0300	1800	ASPHALT EMULSION TACK COAT at _____ SY				
601.0300	50	CLASS A PORTLAND CEMENT CONCRETE at _____ CY				

702.0510	3	HEAVY-DUTY SQUARE FRAME AND ROUND COVER STANDARD 6.1.1 at _____ EA				
707.2000	2	ADJUST FRAME AND GRATE TO GRADE at _____ EA				
810.0300	1500	EPOXY COATED BARS GRADE 60 at _____ LB				
819.0800	560	DRILL AND GROUT REINFORCING DOWELS at _____ EA				
905.0110	10	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0 at _____ CY				
906.0112	125	GRANITE CURB PROVIDENCE STANDARD 7" STRAIGHT at _____ LF				
906.0113	250	GRANITE CURB PROVIDENCE STANDARD 7" CIRCULAR at _____ LF				
906.0120	5	GRANITE WHEELCHAIR RAMP CURB STANDARDS 7.33, 43.3.0 AND 43.3.1 at _____ EA				

907.0100	5	WATER FOR DUST CONTROL at _____ MGAL				
907.0200	5	CALCIUM CHLORIDE FOR DUST CONTROL (PROJECT WIDE) at _____ TON				
914.5010	640	FLAGPERSONS at _____ MHRS				
914.5020	160	FLAGPERSONS - OVERTIME at _____ MHRS				
922.0100	170	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1 at _____ SF				
923.0200	150	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0 at _____ EA				
932.0210	1000	FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT AND RIGID BASE at _____ LF				
932.0230	20	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY at _____ LF				

936.0100	1	MOBILIZATION AND DEMOBILIZATION at _____ LS				
942.0200	50	DETECTABLE WARNING PANEL STANDARD 48.1.0 at _____ SF				
L01.0102	700	LOAM BORROW 4" DEEP at _____ SY				
L02.0102	700	RESIDENTIAL SEEDING (TYPE 2) at _____ SY				
L11.0102	35	TREE PLANT PROTECTION DEVICE at _____ EA				
T04.5302	40	14 AWG 2 CONDUCTOR TWISTED SHEILDED CABLE at _____ LF				
T04.7500	1	SPLICE KIT at _____ EA				
T05.0200	1	PRECAST TYPE H HEAVY DUTY HANDHOLE STANDARD 18.2.1 at _____ EA				

T13.1000	700	TRAFFIC DETECTORS - LOOP STANDARD 19.6.0 at _____ LF				
T13.9910	120	BICYCLE DETECTOR - TYPE D-Q DETECTOR (DOUBLE-QUADRUPLE) at _____ LF				
T15.0100	125	DIRECTIONAL, REGULATORY AND WARNING SIGNS at _____ SF				
T20.2404	2700	4 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS at _____ LF				
T20.2412	725	12 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS at _____ LF				
T20.2804	725	4 INCH YELLOW FINAL EPOXY RESIN PAVEMENT MARKINGS at _____ LF				
T20.3401	5	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL -ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0 at _____ EA				
T20.3405	28	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL -YEILD LINE TRIANGLE (ALL SIZES) at _____ EA				

T20.3416	13	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL SET -BIKE LANE (HELMETED BICYCLIST AND ARROW) at _____ EA				
T20.3418	1	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL - BICYCLE DETECTOR at _____ EA				
T20.4506	2600	REMOVE PAVEMENT MARKING LINE - LESS THAN OR EQUAL TO 6 INCHES WIDE at _____ LF				
T20.4508	500	REMOVE PAVEMENT MARKING LINE - GREATER THAN 6 INCHES WIDE at _____ LF				
T20.4511	5	REMOVE PAVEMENT MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT, OR COMBINED) at _____ EA				
T20.4515	5	REMOVE PAVEMENT MARKING SYMBOL - YEILD LINE TRIANGLE (ALL SIZES) at _____ EA				
T20.4520	5	REMOVE PAVEMENT MARKING WORD ("ONLY", "STOP", "YEILD", "AHEAD", "XING", "SCHOOL", OR OTHER) at _____ EA				
T20.4526	10	REMOVE PAVEMENT MARKING SYMBOL SET - BIKE LANE (HELMETED BICYCLIST AND ARROW) at _____ EA				

T20.4527	5	REMOVE PAVEMENT MARKING SYMBOL SET - SHARED LANE MARKING FOR BICYCLES at _____ EA				
-	640	POLICE DETAIL at _____ MHRS				
-	260	SPECIAL STRAIGHT GRANITE CURB (12" REVEAL) at _____ LF				
-	110	2.375" HIGH PERFORMANCE FLEXIBLE CHANNELIZER at _____ EA				
-	95	HIGH PERFORMANCE TRAFFIC SEPARATOR at _____ EA				
-	20	SURFACE MOUNT FIXED BASE FOR CHANNELIZERS at _____ EA				
-	20	IM-ANCHOR KIT FOR CHANNELIZERS at _____ EA				
-	2100	HIGH FRICTION SURFACE TREATMENT - GREEN (BIKE LANES) at _____ SF				

-	1	REMOVE AND RELOCATE MONUMENT at _____ LS				
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TOTAL LUMP SUM BID

_____ \$ _____

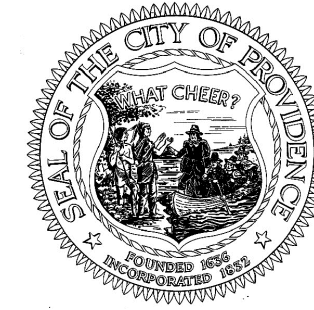
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(In Figures)

INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	TYPICAL SECTIONS
4-10	DETAILS
11-15	GENERAL PLANS
16-17	PROFILE
18-22	SIGNING AND STRIPING PLANS
23-24	SIGNAL PLANS
25-32	CROSS SECTIONS

CITY OF PROVIDENCE



DEPARTMENT OF PUBLIC WORKS

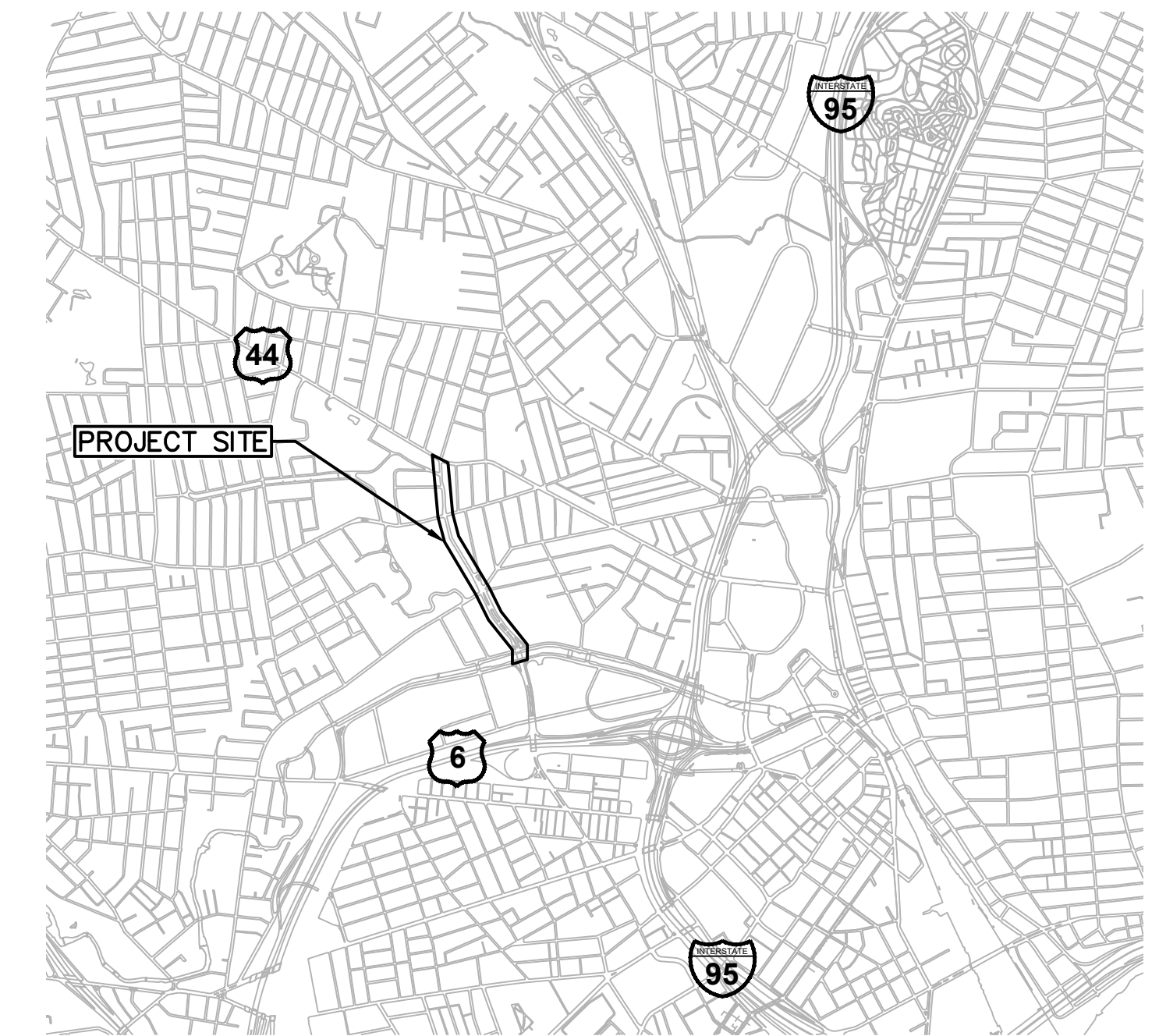
PLAN OF PROPOSED
CITY ROADWAY

DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS

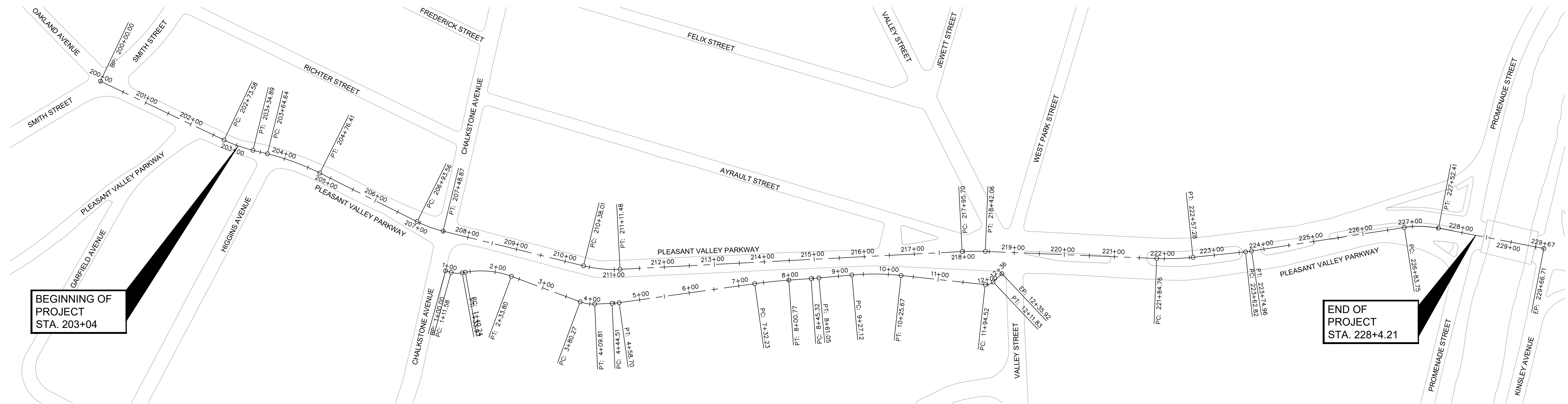
PLEASANT VALLEY PARKWAY (SMITH STREET - PROMENADE STREET)

CITY OF PROVIDENCE
COUNTY OF PROVIDENCE

0.54 MILES - PLEASANT VALLEY PARKWAY



LOCATION MAP
SCALE: 1" = 2000'



BEGINNING OF PROJECT
STA. 203+04

END OF PROJECT
STA. 228+4.21

LAYOUT PLAN
SCALE: 1" = 100'

SCALES OF DRAWINGS

General Plan 1 inch = 20 feet
Signaling and Striping Plan 1 inch = 20 feet

REVISIONS		
NO.	DATE	BY

CITY OF PROVIDENCE

DEAN STREET
BICYCLE & PEDESTRIAN IMPROVEMENTS

PROVIDENCE RHODE ISLAND

DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE:

FUSS & O'NEILL
317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

CITY OF PROVIDENCE
DEPARTMENT OF PUBLIC WORKS
700 ALLENS AVENUE
PROVIDENCE, R.I. 02905

LEGEND

EXIST	PROP	
		PROPERTY LINE/RIGHT-OF-WAY
		CENTERLINE
		BASELINE
		LIMIT OF DISTURBANCE, CLEARING, AND GRUBBING
		EDGE OF WATER
		200' RIVERBANK BUFFER
		FLOODWAY
		100-YEAR FLOODPLAIN
		EDGE OF PAVEMENT
		GRANITE CURB
		MATCH LINE (SEE SHEET 1)
		SOLID WHITE LINE
		SOLID YELLOW LINE
		BROKEN WHITE LINE
		BROKEN YELLOW LINE
		SOLID WHITE CHANNELIZING LINE
		SOLID YELLOW CHANNELIZING LINE
		DOUBLE YELLOW LINE
		STOP LINE
		FENCE
		TREE LINE
		MINOR CONTOUR
		MAJOR CONTOUR
		DRAINAGE LINE
		SEWER LINE
		WATER LINE
		GAS LINE
		UNDERGROUND ELECTRIC
		STRAW WATTLES
		LIMIT OF CUT
		LIMIT OF FILL
		BUILDING
		BOLLARD
		SIGN
		PAVEMENT
		ADA OR ACCESSIBLE RAMP
		CROSSWALK

ABBREVIATIONS:

UTILITY	
APPROX	APPROXIMATE
BIT	BITUMINOUS PAVEMENT
BOW	BOTTOM OF WALL
CC	CONCRETE CURB
ELEV	ELEVATION
EX	EXISTING
GC	GRANITE CURB
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
NTS	NOT TO SCALE
PCC	PRECAST CONCRETE CURB
PROP	PROPOSED
PVMT	PAVEMENT
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STOCKPILE
TOC	TOP OF CURB
TOS	TOP OF SLOPE
TOW	TOP OF WALL
TYP	TYPICAL
VGC	VERTICAL GRANITE CURB
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
DCB	DOUBLE CATCH BASIN
DI	DUCTILE IRON PIPE
F&C	FRAME AND COVER
F&C	FRAME AND COVER
HDPE	HIGH DENSITY POLYETHYLENE
HYD	HYDRANT
INV	INVERT ELEVATION
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UP	UTILITY POLE

GENERAL NOTES

- REFERENCES:
 - THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2018 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD SPECIFICATIONS" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTIONS.
 - THE STATE OF RHODE ISLAND STANDARD DETAILS, 2015 EDITION, AND ALL CURRENT REVISIONS, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD DETAILS" OR "R.I. STD. ##.#" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLANDS STANDARD DETAILS.
 - THE CITY OF PROVIDENCE STANDARD DETAILS, 2017 EDITION, AND ALL CURRENT REVISIONS, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "PROVIDENCE STANDARD" OR "PROVIDENCE STANDARD ##.#" SHALL REFER TO THE LATEST EDITION OF THE CITY OF PROVIDENCE STANDARD DETAILS.
 - THE STATE OF RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, 2016 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
 - THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS) INCLUDING AERIAL IMAGES, FLOODPLAIN BOUNDARIES, EDGE OF WATER, AND TOWN LINES.
- EXISTING CONDITIONS:
 - SURVEY: "EXISTING CONDITIONS PLAN, PLEASANT VALLEY PARKWAY, PROVIDENCE, RHODE ISLAND" BY HORSLEY WHITTEN GROUP, DATED AUGUST 2020.
 - AERIAL IMAGES: RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS) SPRING 2019 DIGITAL AERIAL PHOTOGRAPHY CONTRIBUTED BY RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT), STATEWIDE DIGITAL TRUE COLOR GEOREFERENCED AERIAL PHOTOGRAPH IMAGES CAPTURED APRIL 24, 2019 THROUGH MAY 7, 2019.
 - CONTRACTOR SHALL NOT RELY ON AERIAL IMAGES, GOOGLE AND OTHER DIGITAL STREET VIEW MEDIA WHEN REVIEWING FIELD CONDITIONS. CONTRACTORS SHALL ENGAGE IN ON-SITE VISITS WHEN EVALUATING THE SITE.
- UTILITIES:
 - STORM DRAINAGES: EXISTING STORM DRAINS AND OUTFALLS SHALL BE PROTECTED AND MAINTAINED IN ACCORDANCE WITH CITY, PRE-CONSTRUCTION, INTERMEDIATE, AND POST-CONSTRUCTION INSPECTIONS SHALL BE COORDINATED WITH BOTH AUTHORITIES HAVING JUSTIFICATION. CONTRACTOR SHOULD BE PREPARED TO REMOVE IN THE EVENT OF AN EMERGENCY AND AT THE DIRECTION OF THE OWNER.

GENERAL CONSTRUCTION REQUIREMENTS

- DISCHARGES FROM CONSTRUCTION SITES ARE NOT REGULATED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM) RHODE ISLAND POLLUTANT DISCHARGE SYSTEM ELIMINATION (RIDPES) PROGRAM. HOWEVER, DISCHARGES OF POLLUTANTS ARE PROHIBITED, AND GOOD SOIL, RUNOFF, AND EROSION CONTROLS MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INSPECTIONS, BONDS, ETC. AND OTHER APPROVAL RELATED ITEMS WITH THE CITY AND STATE AGENCIES. APPLICATION FEES SHALL BE PAID BY OWNER. NO CONSTRUCTION SHALL COMMENCE UNTIL SUCH PERMITS HAVE BEEN SECURED AND THE CONTRACTOR HAS SUPPLIED THE REQUIRED NOTICES.
- THE CONTRACTOR SHALL OUTLINE THE CONTRACTOR COVID-19 ACTION PLAN AND IS RESPONSIBLE FOR ALL JOB SITE ACTIVITIES AS WELL AS COVID-19.
- METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS FOR THIS PROJECT SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- DEVIATIONS OR CHANGES FROM THESE PLANS WILL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER IN WRITING.
- THE CONTRACTOR SHALL CONTACT 'DIG SAFE' AT 1-888-344-7233, 72 HOURS PRIOR, EXCLUDING WEEKENDS AND HOLIDAYS, TO ANY EXCAVATION PERFORMED ON SITE. UTILITIES SUCH AS, BUT NOT LIMITED TO DRAINAGE, SEWERS, TRAFFIC SIGNAL AND STREET LIGHTING INFRASTRUCTURE ARE NOT PART OF THE DIG SAFE PROGRAM IN PROVIDENCE AND ARE NOT MARKED BY THE CITY OF PROVIDENCE. CONTRACTORS ARE URGED TO EXERCISE DUE DILIGENCE AND REVIEW HAND HOLES, MANHOLES, FIXTURES ACCESS PANELS AND OTHER VISUAL CLUES THAT UNDERGROUND UTILITIES EXIST IN THE WORK ZONE THAT MAY NOT BE LOCATED AND MARKED BY DIG SAFE. THIS EFFORT MAY REQUIRE OBSERVING UNDERGROUND STRUCTURES BY REMOVING MANHOLE AND HAND HOLE COVERS TO OBSERVE DEPTHS AND DIRECTION OF UTILITIES. ADDITIONALLY PUBLIC WORKS DOES HAVE A LIMITED LIBRARY OF UTILITIES ON FILE. CONTACT CITY OF PROVIDENCE DPW TO ACCESS LIBRARY AS PART OF CONTRACTOR'S DUE DILIGENCE.
- THE ENGINEER AND OWNER MAKE NO GUARANTEES AS TO THE LOCATION AND EXISTENCE OF ANY UTILITIES, STRUCTURES AND/OR SYSTEMS SHOWN ON THESE PLANS. ALL UTILITIES, STRUCTURES AND/OR SYSTEMS SHOWN ARE CONSIDERED APPROXIMATE ONLY OR MAY NOT BE SHOWN AT ALL. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY EXISTING UTILITIES AND NOTIFY OWNER OF ANY DISCREPANCIES FROM CONTRACT DOCUMENTS. THE OWNER SHALL BE NOTIFIED AS TO THE RELOCATIONS REQUIRED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS/HER EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES. ALL FOREMEN AND SUBCONTRACTORS SHALL HAVE COPIES OF THE PLANS ON SITE FOR THE WORK THEY ARE PERFORMING.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- TREES TO BE REMOVED AND/OR PROTECTED PRIOR TO CONSTRUCTION HAVE BEEN IDENTIFIED ON THE PLANS. ANY TREE IDENTIFIED ON THE PLANS AS BEING PROTECTED AND THE CONTRACTOR BELIEVES MUST BE REMOVED WILL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY FOR REVIEW AND APPROVAL. TREES AND OTHER EXISTING VEGETATION SHALL BE RETAINED WHEREVER FEASIBLE.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION. ANY DAMAGE TO HARDSCAPE OR LANDSCAPE ELEMENTS SHALL BE REPAIRED AND/OR RESTORED TO ORIGINAL CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO PAVEMENT, WALKS, CURBS, SEEDING, SOODING, AND PLANTINGS. THIS WORK SHALL COMMENCE WITHIN 10 DAYS OF WORK IN THE DESIGNATED ZONE BEING COMPLETED. SEASONAL ADJUSTMENTS MAY NEED TO BE ADDRESSED. CONTRACTOR SHALL PREPARE EXISTING CONDITIONS VIDEO REPORT OF EACH AREA BEING IMPACTED BY THE WORK. THIS VIDEO REPORT SHOULD INCLUDE NARRATION. ALSO THE REPORT SHALL INCLUDE BUILDING FACADES IN THE VICINITY OF THE WORK. SPLATTER FROM CONCRETE, ASPHALT FINES AND OILS, SAW CUTTING SLURRY AND OTHER SIMILAR TYPES OF DAMAGE SHALL BE CLEANED WITHIN 12 HOURS USING CORRECT MATERIALS, MEANS AND METHODS TO PREVENT FURTHER DAMAGE.
- ADJUST UTILITY COVERS, GRATES, AND HAND HOLES TO FINISH GRADE AS REQUIRED AS PART OF BASE COSTS.
- ALL EXCESS EXCAVATED MATERIALS, EXCESS FILL, EXCESS CONSTRUCTION MATERIALS, DEBRIS, AND WASTE SHALL BE REMOVED FROM THE SITE AND SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AS PART OF THE BASE COST OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A DETAILED SCHEDULE OUTLINING ALL OF THESE TASKS AS REQUIRED BY THEM TO ESTABLISH THEIR MEANS AND METHODS. THE SCHEDULE SHALL TAKE INTO CONSIDERATION THE LIMITS OF DISTURBANCE THAT WILL BE ALLOWED AT ANY ONE TIME. AS PART OF THE BID THIS SHOULD BE PRESCRIBED IN DETAIL BY AREA TO ASSURE THESE LIMITS ARE NOT EXCEEDED ALLOWING THE CONTRACTOR TO PROPERLY COST THE SCOPE OF WORK INCLUDING REQUIRED RESOURCES TO DO SO.

CONSTRUCTION SEQUENCE

- CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT ARE EXPECTED TO COMMENCE IN SPRING 2021 AND WILL BE COMPLETED BY FALL 2021. CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT ARE EXPECTED TO COMMENCE IN SUMMER 2021 AND WILL BE COMPLETED BY FALL 2021. PRIOR TO WORK COMMENCING, THE CONTRACTOR SHALL CONFIRM PROPOSED ELEVATIONS WORK AND FUNCTION AS DESIGNED. THE CONTRACTOR SHALL REPORT DISCREPANCIES VERBALLY AND FOLLOWED UP IN WRITING TO THE OWNER AND DESIGN TEAM. THE GENERAL SEQUENCE FOR EACH PHASE OF CONSTRUCTION IS AS FOLLOWS:
- INSTALL PERIMETER SEDIMENT CONTROL BARRIERS, EROSION CONTROL MEASURES, AND PROPOSED CONSTRUCTION ACCESS ALONG DOWN-GRADE EDGE OF SOIL DISTURBANCE. SEDIMENT AND EROSION CONTROL MEASURES WILL BE MAINTAINED OR REPLACED AS REQUIRED THROUGHOUT CONSTRUCTION PERIOD. ANY TEMPORARY SOIL STOCKPILE AREAS DURING CONSTRUCTION WILL ALSO BE ENCOMPASSED BY PERIMETER CONTROLS.
 - CLEAR THE SITE AND REMOVE DEMOLISHED MATERIALS.
 - REMOVE STOCKPILE, AND COVER EXCAVATED SOIL MATERIAL. STOCKPILE AREA(S) SHALL BE REVIEWED AND APPROVED BY THE CITY PRIOR TO THE START OF CONSTRUCTION.
 - CONDUCT ROUGH GRADING.
 - COMPACT SUBGRADE AND INSTALL GRAVEL BORROW IN ALL AREAS TO BE PAVED WITH BITUMINOUS OR CONCRETE PAVEMENT.
 - INSTALL CURBING AND PAVEMENT.
 - CONDUCT FINE GRADING.
 - PERMANENTLY SEED ALL NON-PAVED AREAS AND INSTALL PLANT MATERIAL.
 - SAWCUT AND INSTALL ALL LOOP DETECTORS AND ASSOCIATED CONDUIT.
 - INSTALL PAVEMENT MARKINGS.
 - REMOVE SEDIMENT AND EROSION CONTROLS MEASURES ONCE PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED AND THE SITE IS STABILIZED, INSPECTED, AND APPROVED BY PERMITTING AUTHORITY AND THE OWNER.

SOIL EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL FOLLOW THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THE PLANS. ALL EROSION AND SEDIMENT CONTROL MEASURES OR WORKS AND REHABILITATION MEASURES MUST CONFORM TO OR EXCEED THESE REQUIREMENTS.
- THE TIMELY INSTALLATION, INSPECTION, AND MAINTENANCE/REPLACEMENT OF SEDIMENT AND EROSION CONTROL DEVICES TO ENSURE PROPER OPERATION AND PERMIT COMPLIANCE IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION OF THE PROJECT IS COMPLETE AND ACCEPTED BY THE OWNER. THE OWNER IS RESPONSIBLE THEREAFTER. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONTINUE TO BE MAINTAINED IN EFFECTIVE CONDITION UNTIL SITE STABILIZATION.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND LOCAL MUNICIPALITY, OR AS MAY BE REQUIRED TO PREVENT SEDIMENT FLOW TO STORM DRAINS OR SURFACE WATERS.

SPILL PREVENTION AND RESPONSE PROCEDURE

- ANY INADVERTENT OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE STORMWATER DISPOSAL SYSTEM (I.E. INFILTRATION BEST MANAGEMENT PRACTICES, OR CLOSED-CONDUIT DRAINAGE SYSTEM THAT DISCHARGES TO MUNICIPAL SEWER STORM SEWER SYSTEM OR WATER BODY) REQUIRES IMMEDIATE NOTIFICATION TO THE RIDEM OIL POLLUTION CONTROL PROGRAM AT (401) 277-2284, AS PER THE OIL POLLUTION CONTROL REGULATIONS. DURING NON-WORKING HOURS, NOTIFICATION OF SPILLS CAN BE MADE TO THE RIDEM DIVISION OF ENFORCEMENT AT (401) 222-3070 (THE 24-HOUR EMERGENCY RESPONSE PHONE NUMBER).
- ANY INCIDENT OF GROUNDWATER CONTAMINATION CAUSED BY THE ACTIONS OF THE CONTRACTOR OR SUB-CONTRACTOR AND/OR THEIR EQUIPMENT RESULTING FROM THE IMPROPER DISCHARGE OF POLLUTANTS TO THE STORMWATER DISPOSAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PURSUANT TO STATE LAWS AND REGULATIONS, RIDEM MAY REQUIRE THE CONTRACTOR TO REMEDIATE ANY INCIDENTS THAT MAY ADVERSELY IMPACT GROUNDWATER QUALITY.

STORMWATER MAINTENANCE PROGRAM

- INSPECT ALL ON-SITE DRAINAGE STRUCTURES AT LEAST QUARTERLY TO CHECK FOR PRESENCE OF DEBRIS (E.G. TRASH, OIL AND GREASE, SEDIMENT) AND STRUCTURAL INTEGRITY OR DAMAGE. DEFICIENCIES MUST BE CORRECTED IMMEDIATELY. CATCH BASINS SHALL BE CLEANED AT LEAST ONCE A YEAR. DISPOSAL OF THE WASTE REMOVED FROM THE DRAINAGE SYSTEM MUST BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEM UNTIL COMPLETION OF CONSTRUCTION AND OWNER ACCEPTANCE. THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM ONCE CONSTRUCTION IS COMPLETE.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

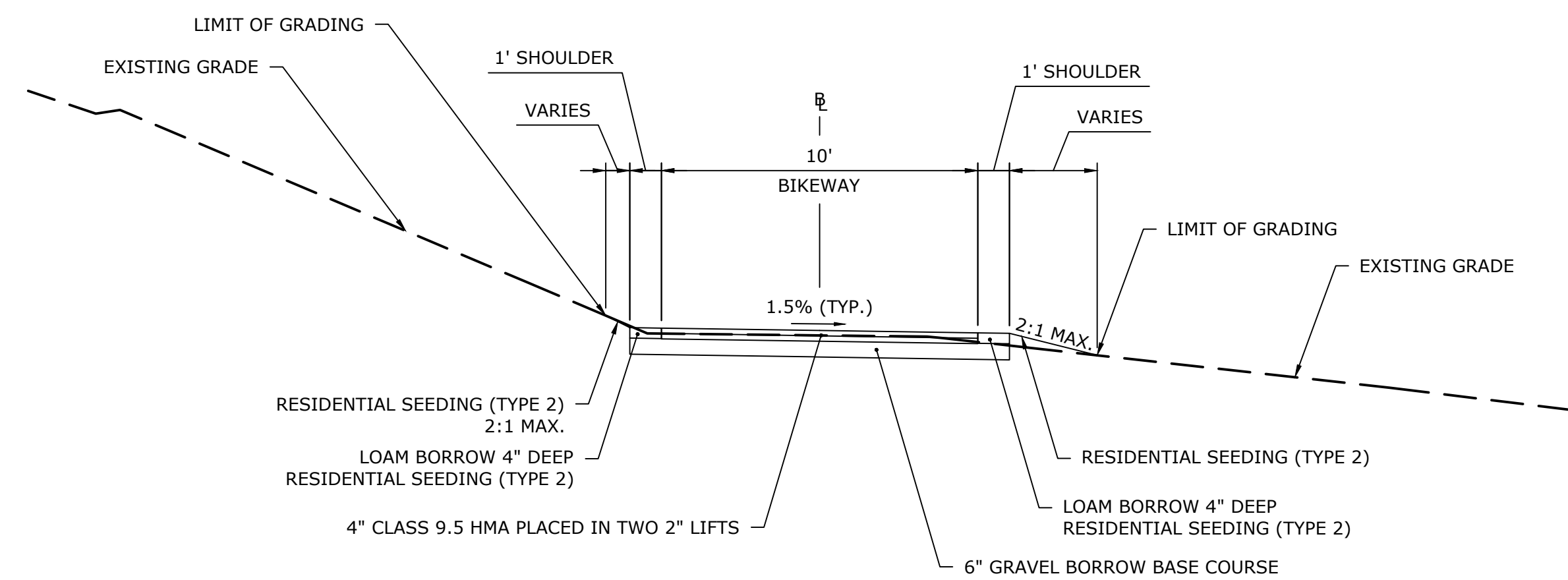
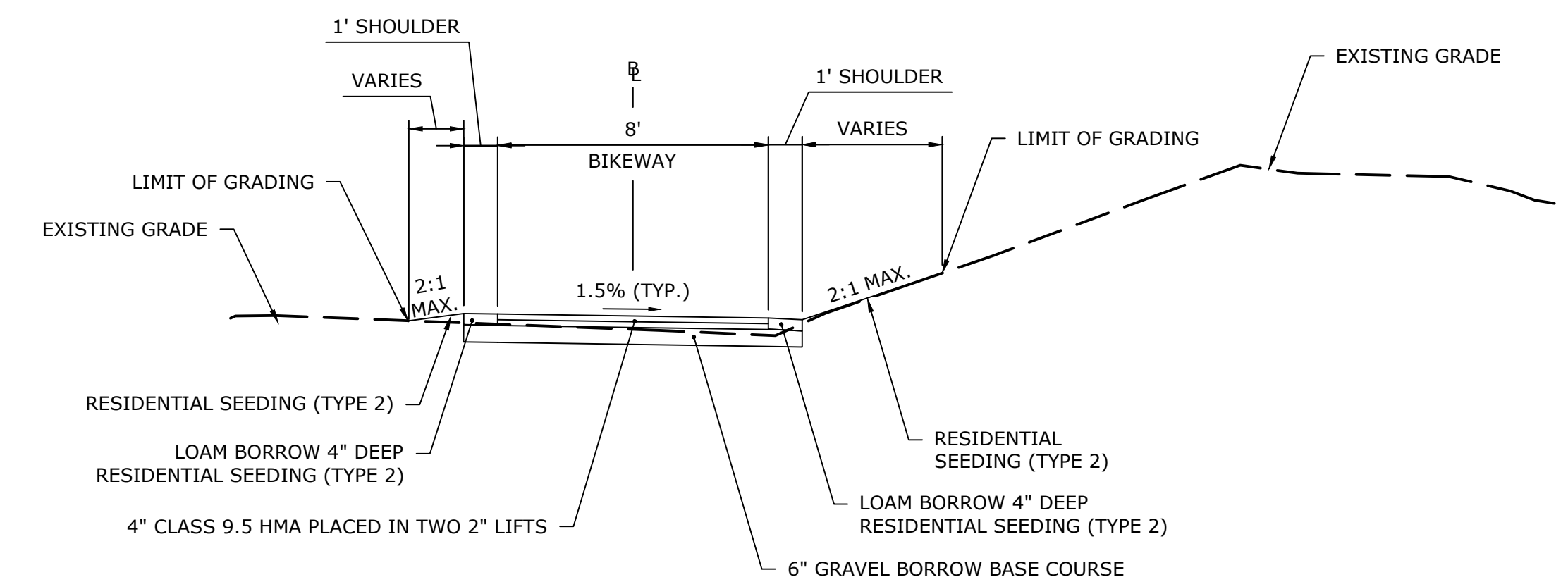
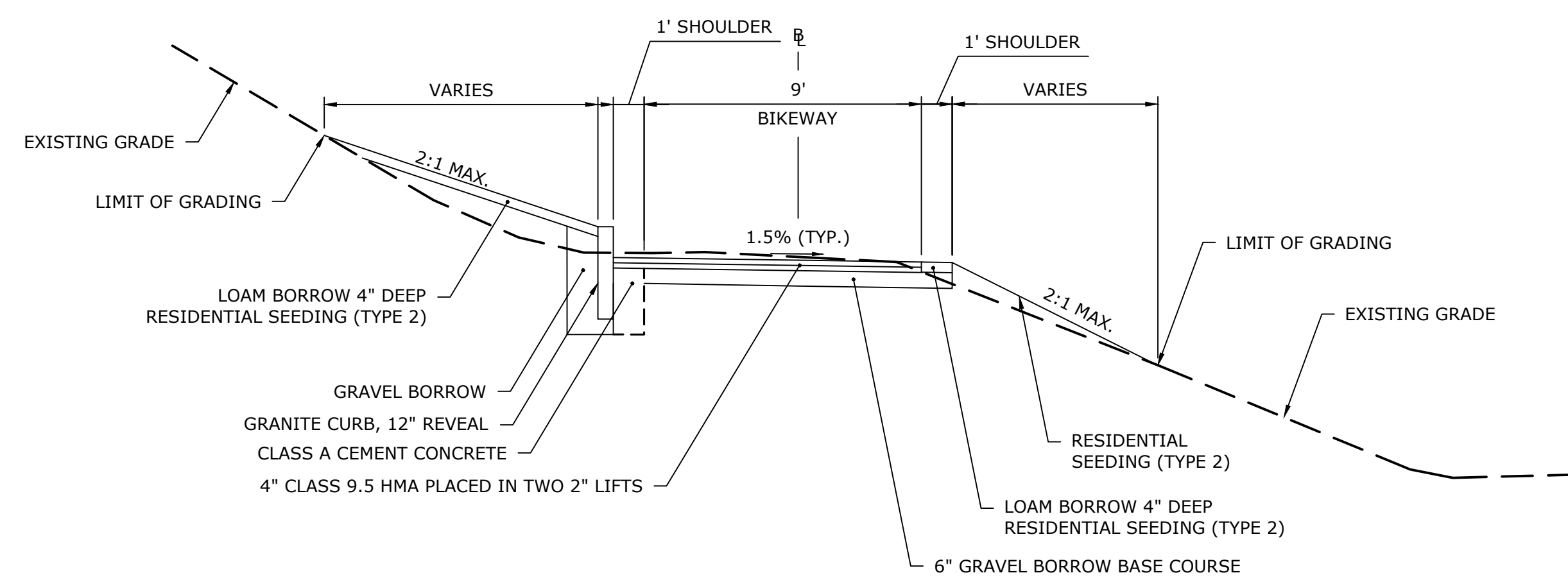
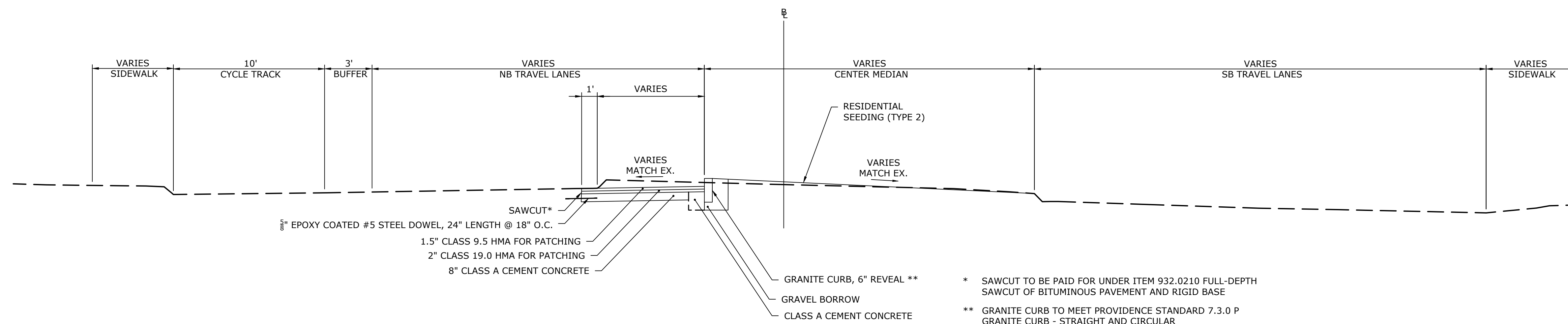
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
- ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
- POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
- POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
- ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION." THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE DRAWINGS AND THE TRAFFIC MANAGEMENT PLAN, AS FOUND IN THE SCOPE OR WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL ADDITIONAL EFFORTS REQUIRED TO ACCOMMODATE PROTECTIONS FOR PEDESTRIANS, VEHICLES AND BICYCLE TRAFFIC THROUGH THE WORK ZONE, INCLUDING PROVIDING TEMPORARY ACCESS ROUTES/RAMPS THAT ARE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE EXISTING SIDEWALKS, RESULTING FROM FIELD CONDITIONS CREATED BY THE MEANS AND METHODS DEPLOYED BY THE CONTRACTOR.
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
- THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLANNED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

REVISIONS		
NO.	DATE	BY

CITY OF PROVIDENCE	
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS	
PROVIDENCE	RHODE ISLAND
GENERAL NOTES	
DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE:	

FUSS & O'NEILL
 317 IRON HORSE WAY, SUITE 204
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 www.fando.com

CITY OF PROVIDENCE
 DEPARTMENT OF PUBLIC WORKS
 700 ALLENS AVENUE
 PROVIDENCE, R.I. 02905



PAVEMENT NOTES

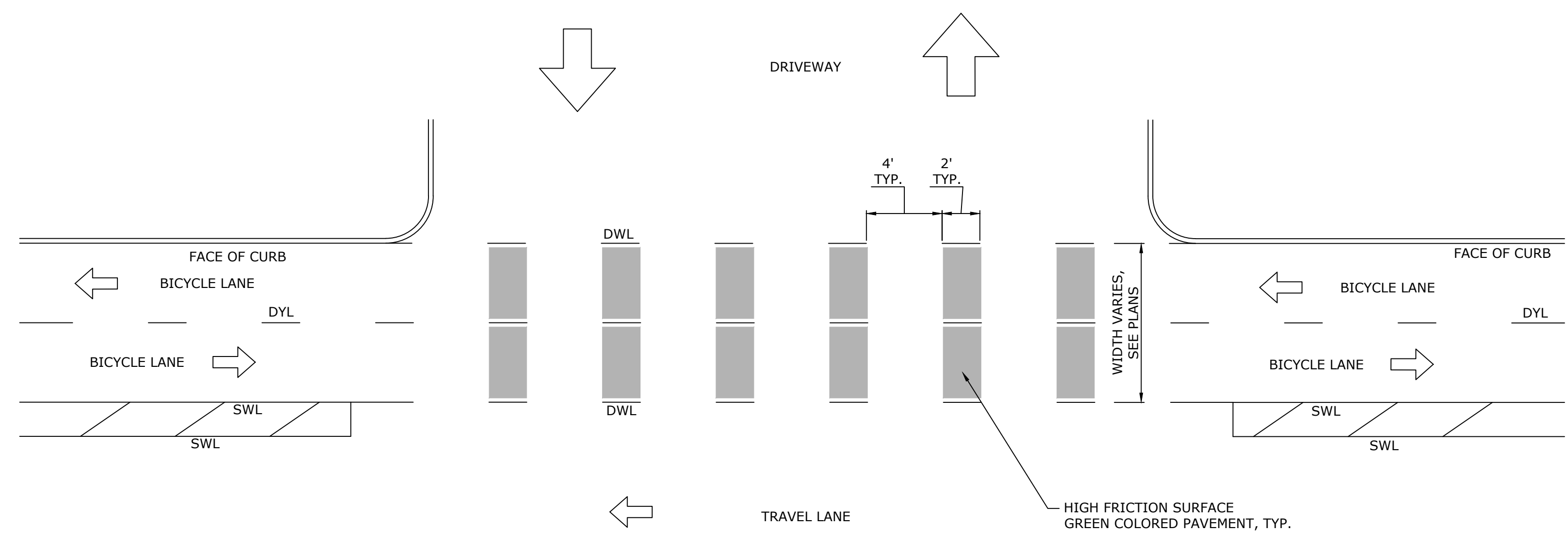
BIKEWAY
 SURFACE: 4" CLASS 9.5 HMA PLACE IN TWO 2" LIFTS
 BASE: 6" GRAVEL BORROW
PAVEMENT PATCHING - PLEASANT VALLEY PARKWAY
 SURFACE: 1-1/2" CLASS 9.5 HMA FOR PATCHING
 INTERMEDIATE: 2" CLASS 19.0 HMA FOR PATCHING
 BASE: 8" CLASS A CEMENT CONCRETE
 SUBBASE: 6-1/2" GRAVEL BORROW
CEMENT CONCRETE SIDEWALK
 SURFACE: 4" CEMENT CONCRETE
 SUBBASE: 8" GRAVEL BORROW
 NOTE: REFER TO CROSS SECTIONS FOR LIMITS OF GRADING

REVISIONS		
NO.	DATE	BY

CITY OF PROVIDENCE	
DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS	
PROVIDENCE	RHODE ISLAND
TYPICAL SECTIONS	
DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE: NTS	

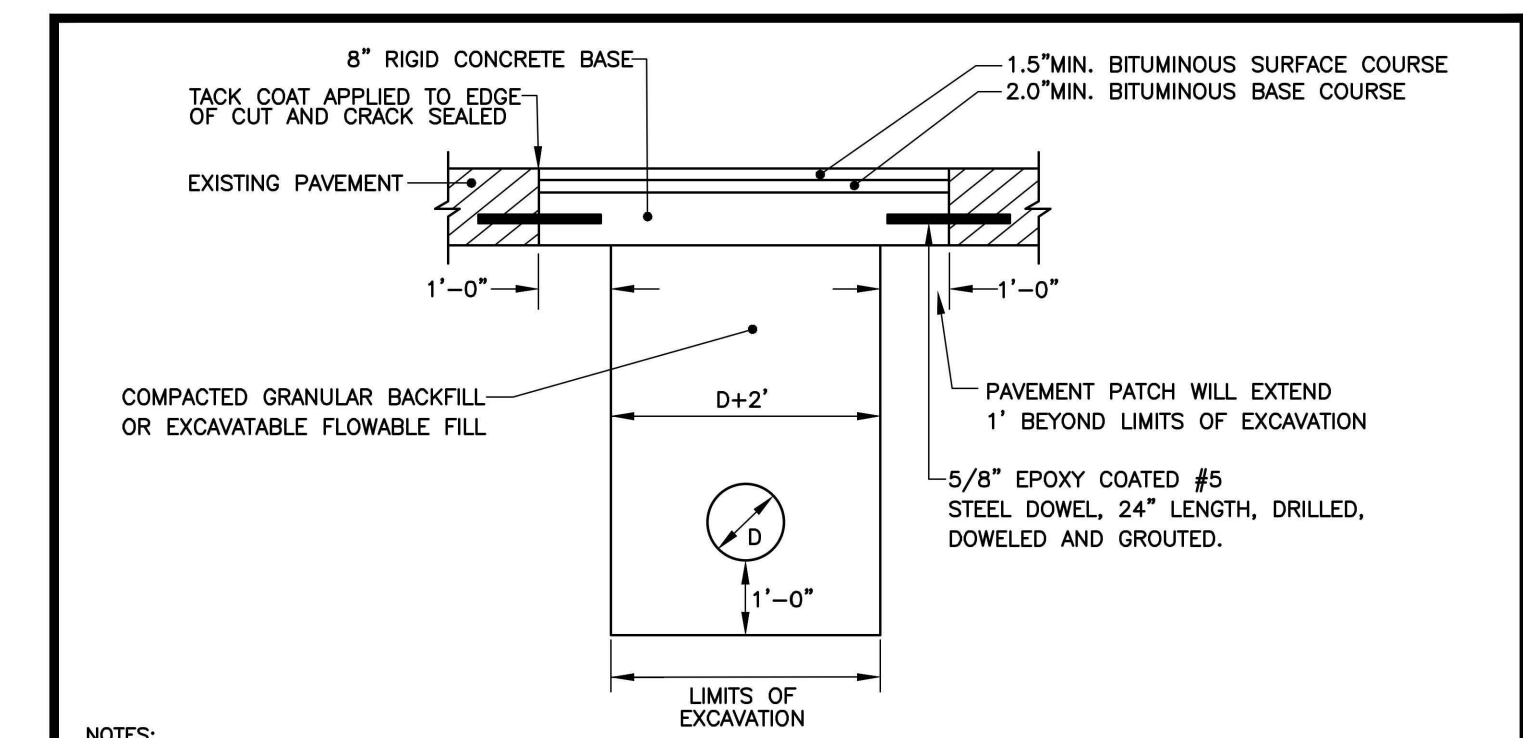
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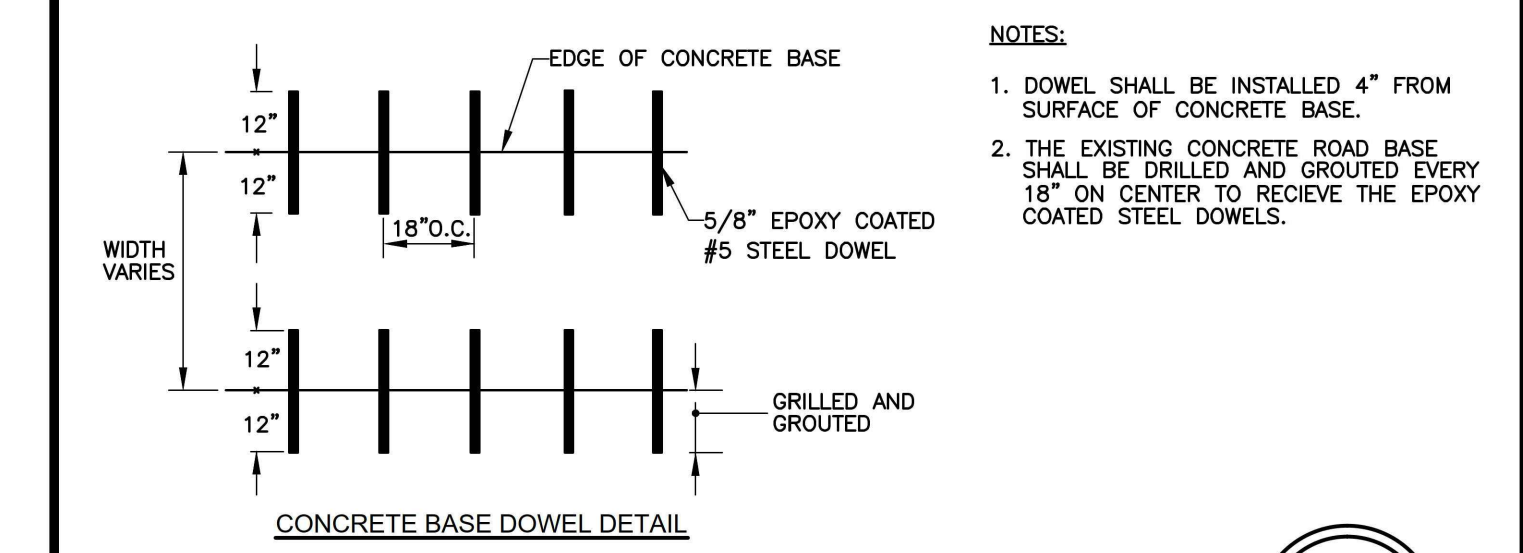


- NOTES:
- HIGH FRICTION SURFACE GREEN COLORED PAVEMENT MAKING MAY BE USED WHERE MOTOR VEHICLE TRAFFIC VAN TURN RIGHT ACROSS THE BICYCLE LANE. SEE PLANS FOR LOCATIONS.
 - INSTALL HIGH FRICTION GREEN COLORED PAVEMENT BETWEEN 2' DOTTED WHITE LANE LINES AS SHOWN ON PLANS.
 - INSTALL HIGH FRICTION GREEN COLORED PAVEMENT SO THAT CROSSWALKS MARKINGS ARE NOT DISTURBED.
 - TRAVEL LANE WIDTHS ARE AS SHOWN ON PLANS.

TYPICAL DRIVEWAY TREATMENT (UNLESS OTHERWISE NOTED ON PLANS)
NOT TO SCALE



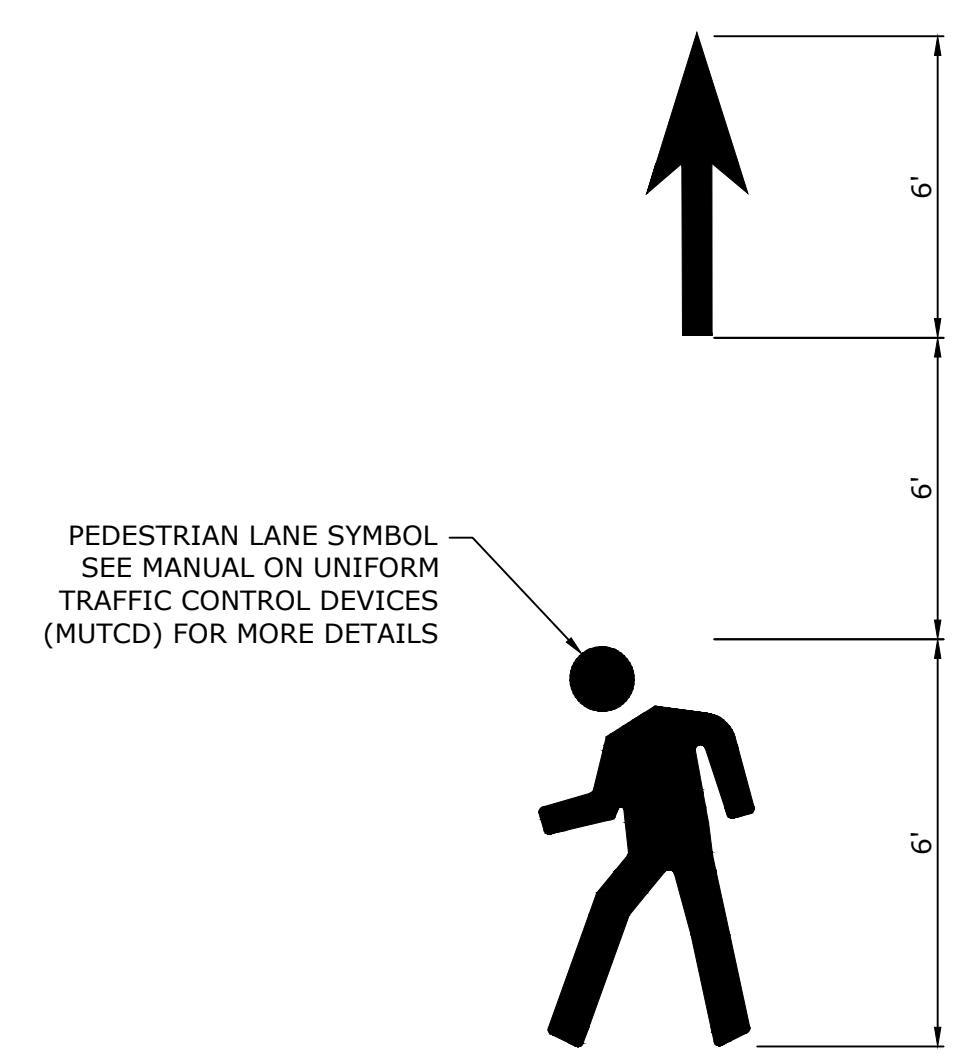
- NOTES:
- CONCRETE ROAD BASE MUST BE RESTORED TO THE EXISTING DEPTH OR A MINIMUM OF 8 INCHES. A MINIMUM OF 3.5 INCHES OF BITUMINOUS CONCRETE SURFACE COURSE MEETING RIDOT SPECIFICATIONS, SECTION 401 SHALL BE PLACED OVER BASE.
 - 8 INCH RIGID CONCRETE BASE SHALL BE TYPE XX (28 DAY -4000 PSI) PER RIDOT SPECIFICATIONS, SECTION 601.
 - PRIOR TO PERMANENT RESTORATION, ALL EDGES OF THE EXCAVATED AREA AND ONE FOOT BEYOND SHALL BE SAWCUT TO A CLEAN, SQUARE EDGE.
 - GRANULAR SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY (AASHTO T80), MEETING RIDOT SPECIFICATIONS, SECTION 301.
 - EXCAVATABLE FLOWABLE FILL (CONTROLLED DENSITY FILL, CDF) SHALL ADHERE TO RIDOT SPECIFICATIONS, SECTION 603.
 - IF EXCAVATION IS ON A PROTECTED STREET, THE REMAINING ROADWAY OUTSIDE THE TRENCH TO THE NEAREST CURB SHALL BE MILLED 1.5 INCHES WITH A 1.5 INCH BITUMINOUS CONCRETE SURFACE OVERLAY. THE JOINTS SHALL BE SEALED USING INFRARED TECHNOLOGY. THE LENGTH OF THE NEW PAVED AREA MUST BE A MINIMUM OF 10 FEET TO ALLOW FOR PROPER COMPACTION.
 - IF EXCAVATION IS ON NON PROTECTED STREET, AND THE DISTANCE FROM EDGE OF EXCAVATION TO EDGE OF ROADWAY IS TWO FEET OR LESS, THE REMAINING AREA TO SUCH EDGE OF ROADWAY SHALL BE REMOVED AND REPLACED IN CONJUNCTION WITH THE PERMANENT PAVEMENT RESTORATION.



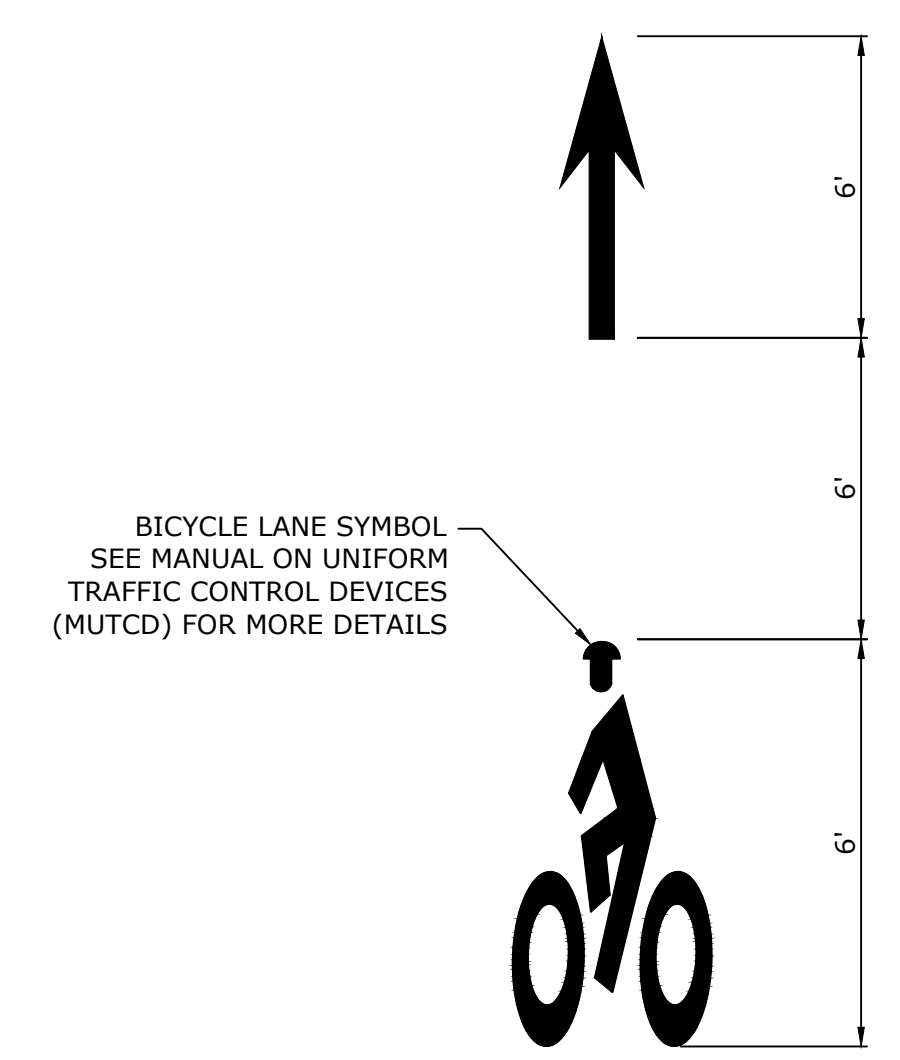
PERMANENT ROADWAY RESTORATION - CONCRETE BASE
N.T.S.

60.3.0 P PROVIDENCE STANDARD

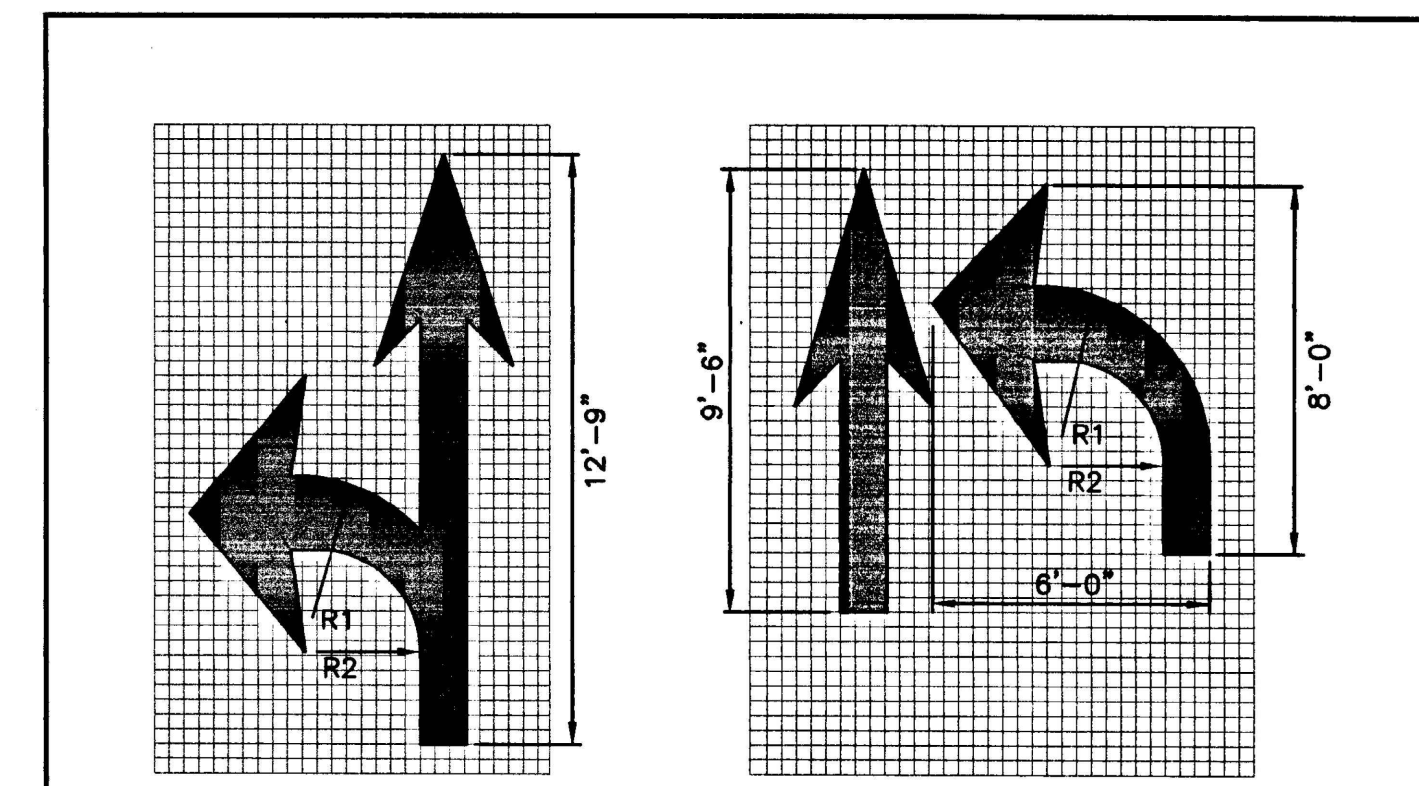
ISSUE DATE: 1/6/17



PEDESTRIAN LANE MARKING (PLM)
NOT TO SCALE

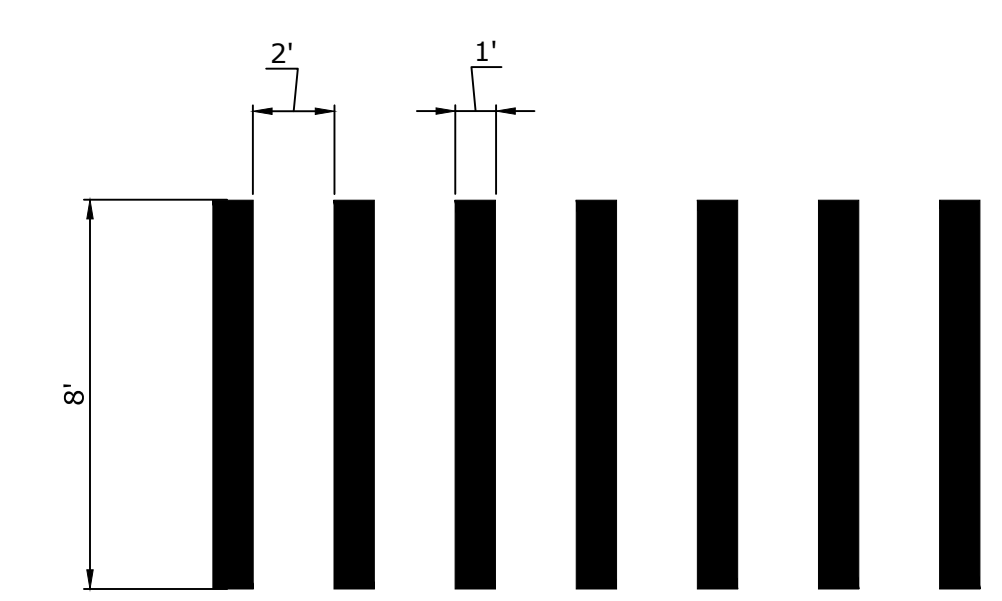


BICYCLE LANE MARKING (BLM)
NOT TO SCALE



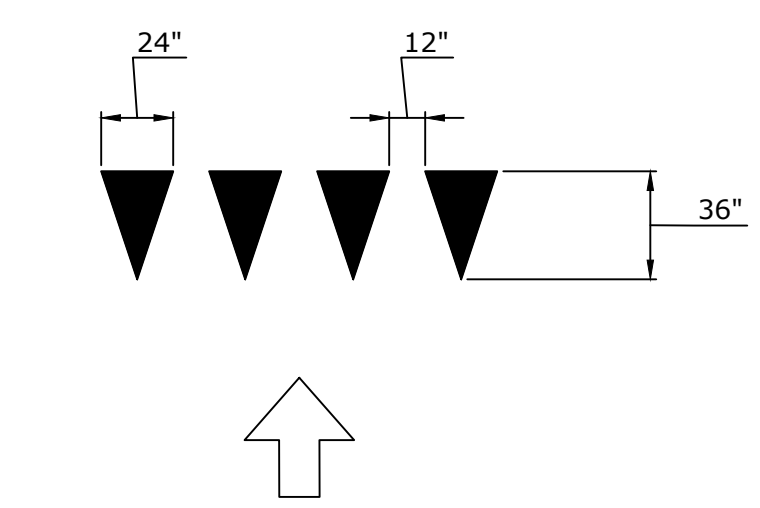
R1 = 3'-2"
R2 = 2'-2"

- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION T.20 OF THE R.I. STANDARD SPECIFICATIONS.
 - THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGES, INCLUDING ARROWS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTER FOR LOW SPEED ROADS BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTER UNDER ANY CONDITIONS.
 - THE SPACING OF THE PAVEMENT MARKINGS WILL BE AS SHOWN ON THE PLAN AND AS PER THE MUTCD.
 - SYMBOLS AND WORDS SHALL MEET THE REQUIREMENTS OF THE FHWA STANDARD ALPHABET AND SYMBOLS FOR HIGHWAY PAVEMENT MARKINGS.



- CROSSWALK NOTES:
- ALL CROSSWALKS TO ALIGN WITH EXISTING AND PROPOSED CURB RAMPS.
 - ALL CROSSWALK MARKINGS TO BE PARALLEL WITH VEHICLE TRAVEL DIRECTION.
 - WHERE POSSIBLE, ALIGN CROSSWALK STRIPES SUCH THAT THE TYPICAL VEHICLE TIRE PATH PASSES BETWEEN MARKINGS.

TYPICAL CROSSWALK STRIPING
NOT TO SCALE



YIELD LINE
NOT TO SCALE

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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PAVEMENT MARKINGS ARROWS AND ONLY

R.I. STANDARD 20.1.0

June 15, 1998

REVISIONS		
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CITY OF PROVIDENCE

DEAN STREET
BICYCLE & PEDESTRIAN IMPROVEMENTS

PROVIDENCE RHODE ISLAND

DETAILS (1 OF 7)

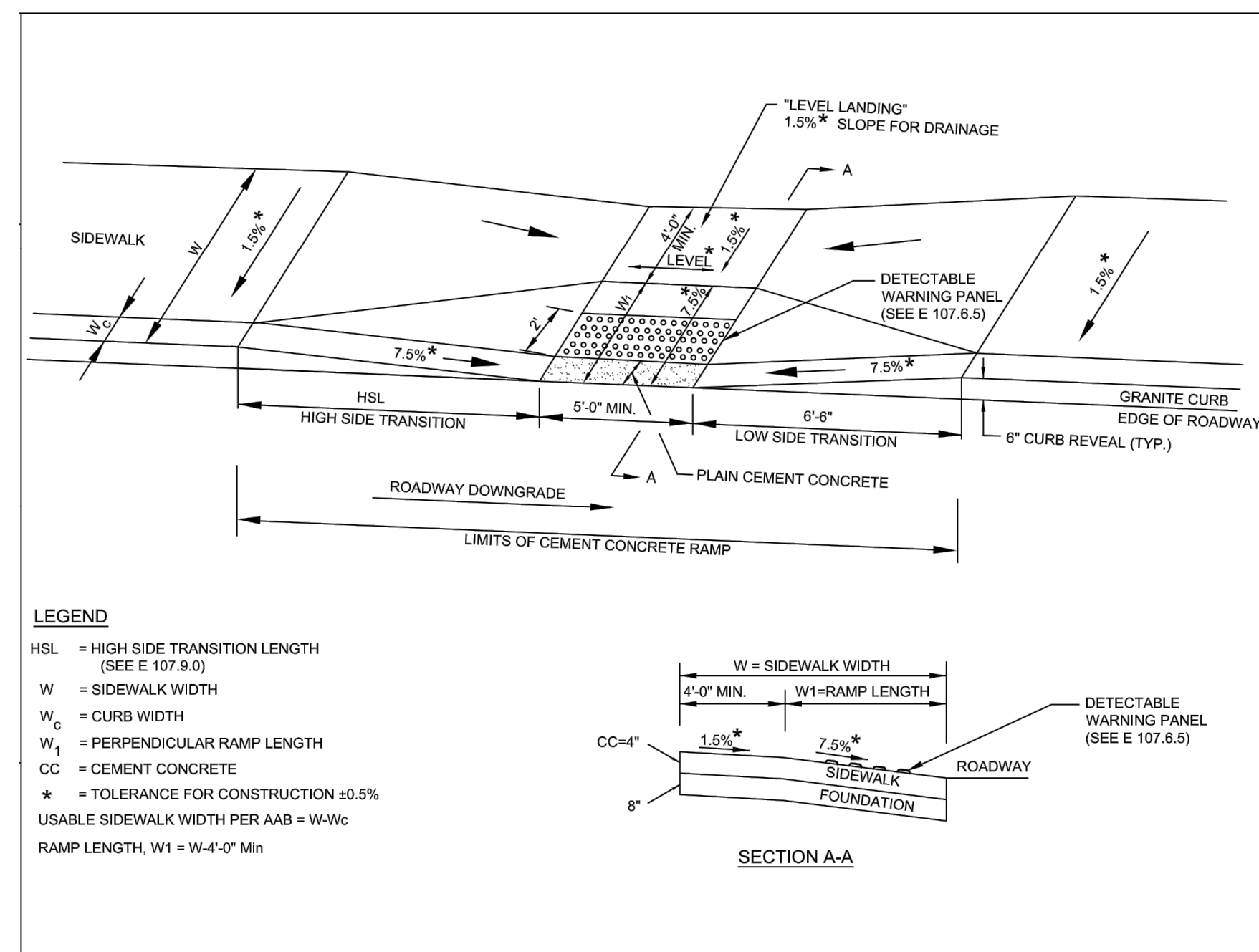
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FUSS & O'NEILL

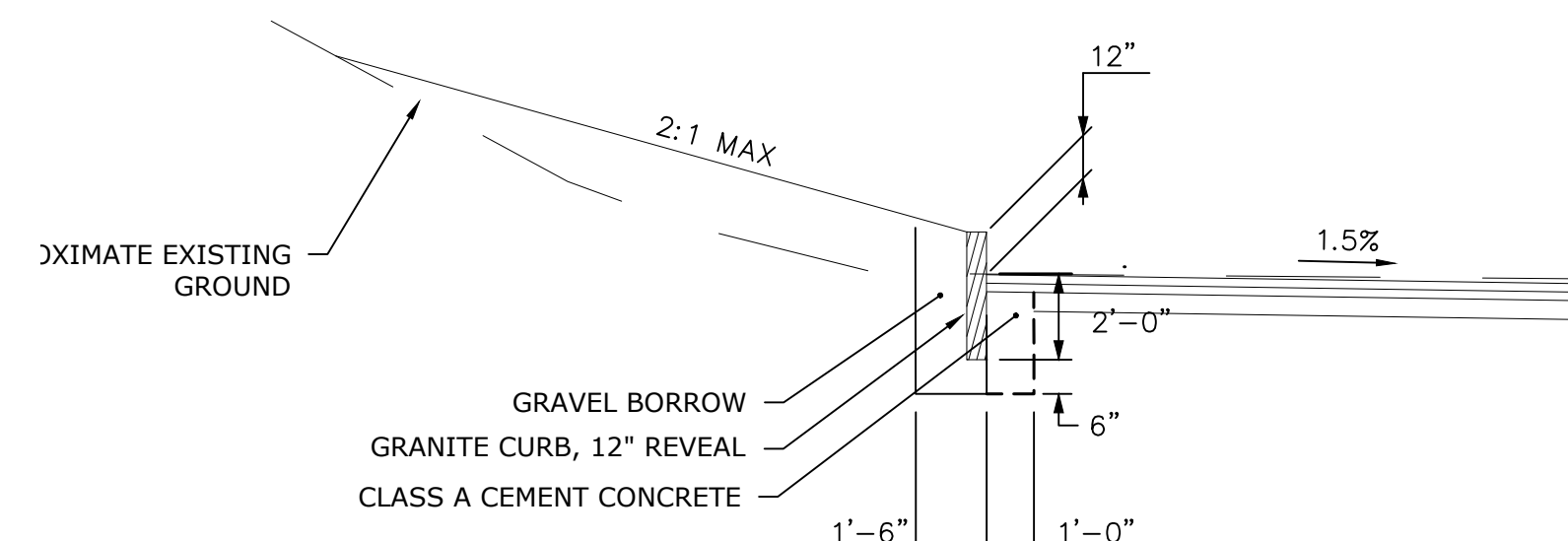
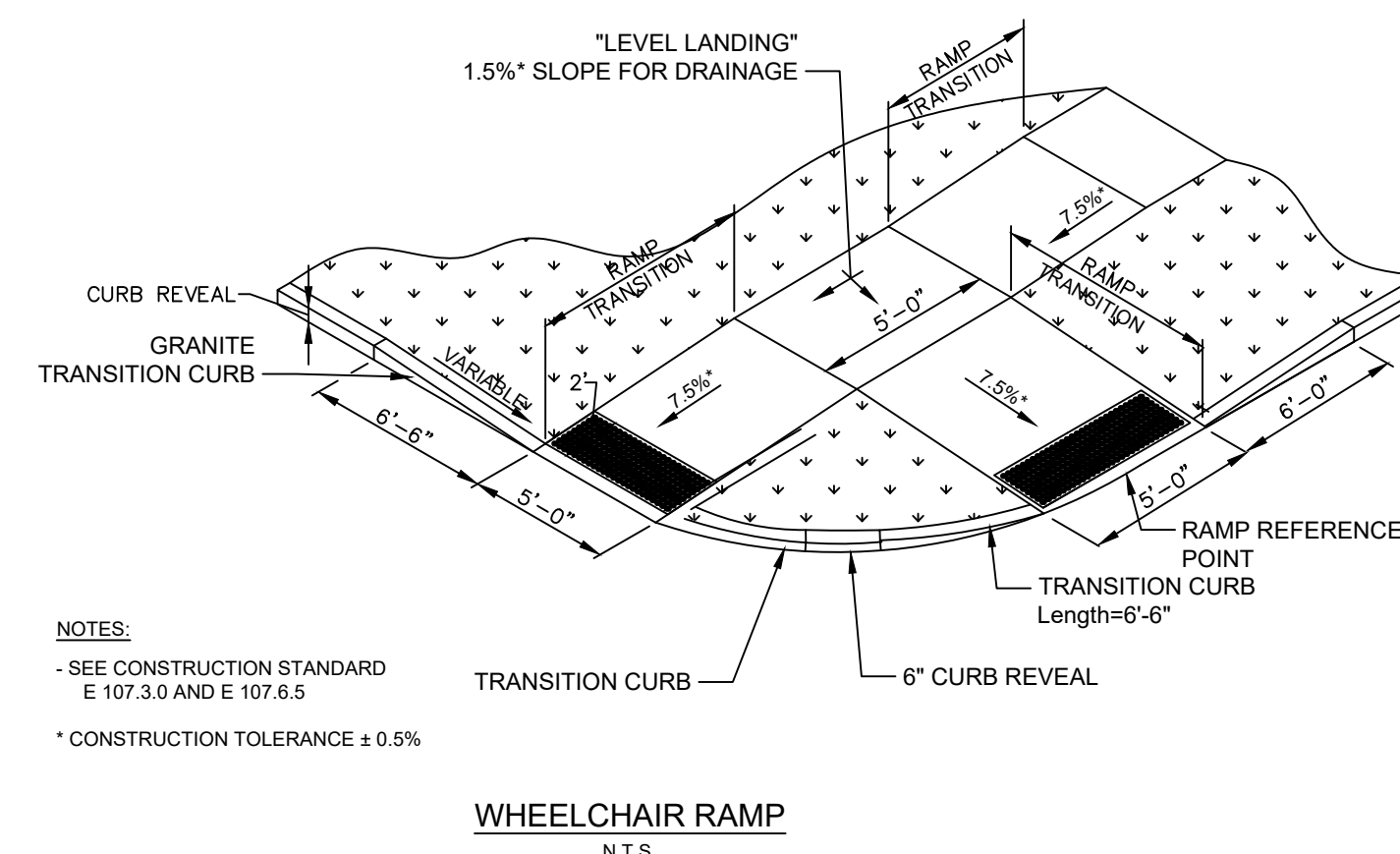
317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

P CITY OF PROVIDENCE

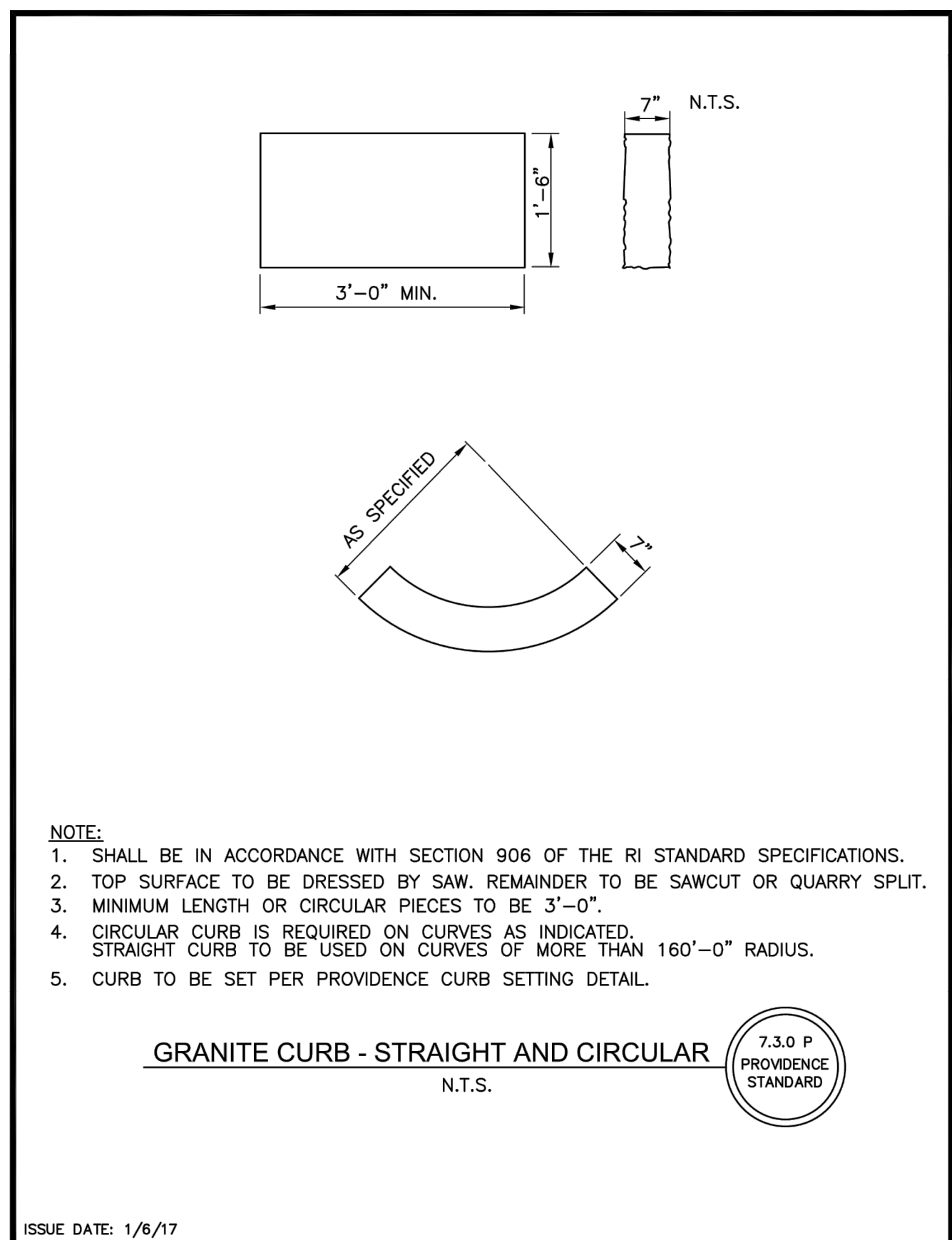
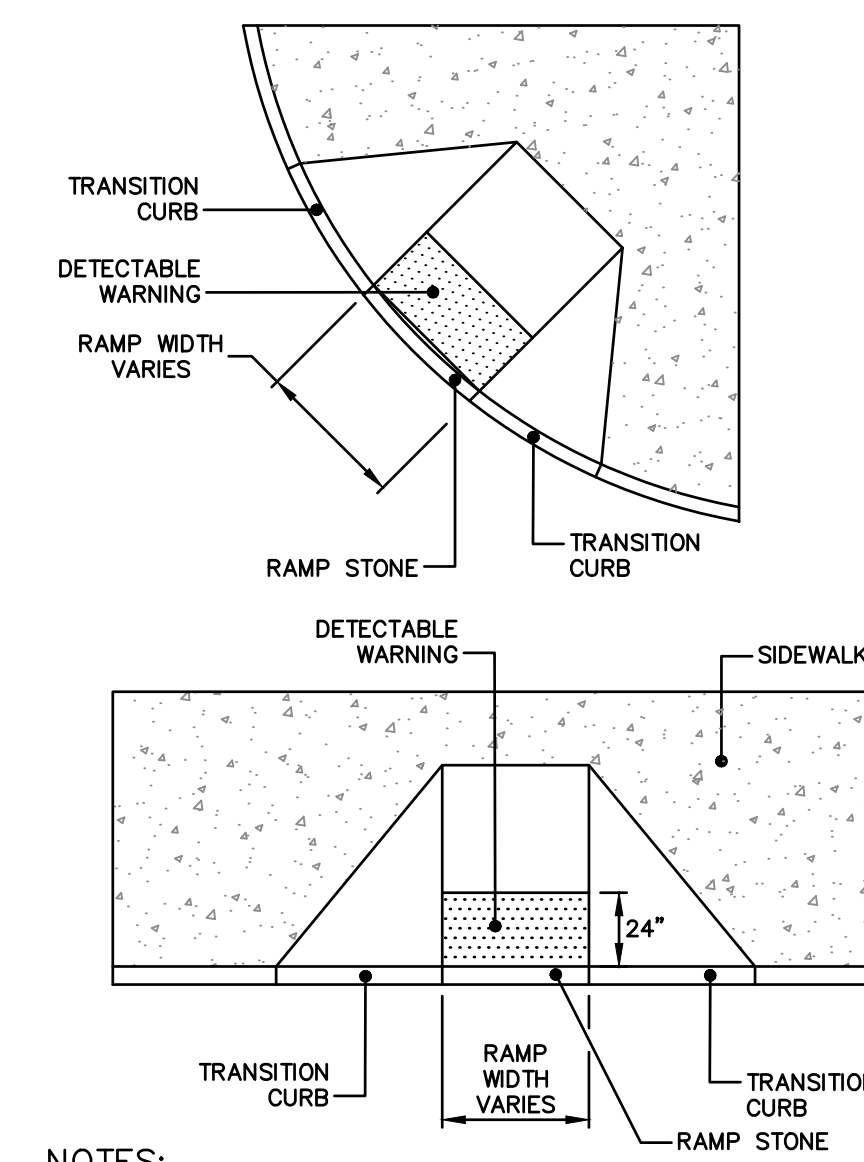
DEPARTMENT OF PUBLIC WORKS
700 ALLENS AVENUE
PROVIDENCE, R.I. 02905



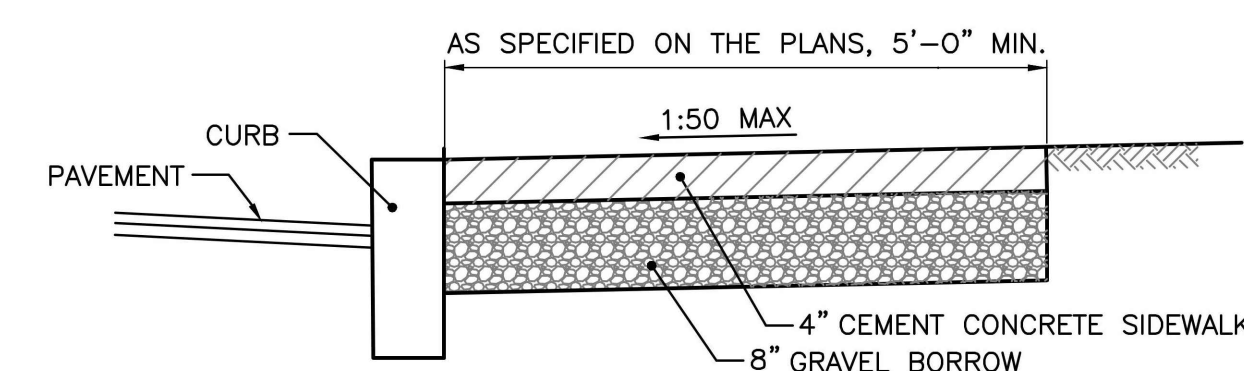
WHEELCHAIR RAMP
NOT TO SCALE



12" GRANITE CURB DETAIL
NOT TO SCALE



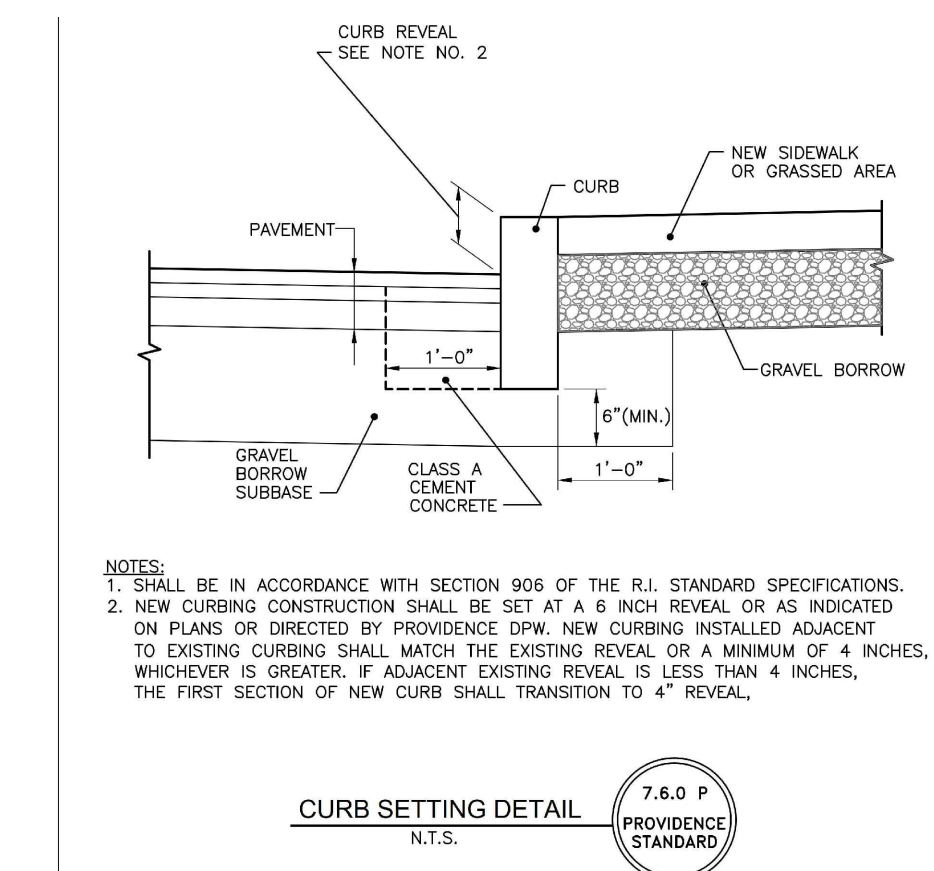
ISSUE DATE: 1/6/17



NOTES

1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE CURB SETTING DETAIL WHERE APPLICABLE.
3. RUNNING SLOPE OF SIDEWALK SHALL NOT EXCEED 8.3% (1:12). TYPICALLY, RUNNING SLOPE SHALL MATCH ROAD SLOPE.
4. CROSS SLOPE OF SIDEWALK SHALL NOT EXCEED 2% (1:50).
5. SIDEWALK MAY BE SUBJECT TO GRASS STRIP INSTALLATION. CONSULT WITH DPW ENGINEERING
6. GRAVEL BORROW BASE SHALL COMPACT TO ACHIEVE SOIL DENSITY VALUES OF 95% MODIFIED PROCTOR DENSITY (AASHTO T180).
7. SIDEWALK REPAIRS TWENTY FEET OR LONGER ARE SUBJECT TO REQUIREMENTS HEREIN. SIDEWALK REPAIRS SHORTER THAN TWENTY FEET SHALL MAKE EVERY EFFORT TO MEET REQUIRED SLOPES.
8. CONTROLL JOINTS SHALL BE INSTALLED EVERY 5 FEET IN EACH DIRECTION.
9. EXPANSION JOINTS SHALL BE INSTALLED EVERY 20 FEET IN EACH DIRECTION AT FOUNDATIONS AND WALLS AND IN A SQUARE PATTERN AROUND MANHOLE COVERS, HYDRANTS, SIGN POSTS AND UTILITY POLES. THE EXPANSION JOINT SHALL BE THE FULL DEPTH OF THE SIDEWALK AND FILLED WITH AN APPROVED TYPE OF PREMOLDED EXPANSION JOINT FILLER.

CEMENT CONCRETE SIDEWALK
N.T.S.



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DETAILS (3 OF 7)	
DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE:	

TRAFFIC SIGN NOTES:

1. POSTS - SEE DETAIL "BREAKAWAY SIGN POST DETAIL" THIS SHEET
2. ALL TRAFFIC SIGN POSTS ARE FOR LONG TERM INSTALLATION UNLESS SIGN IS FOR CONSTRUCTION. CONSTRUCTION SIGNS TO BE MOUNTED ON PORTABLE TEMPORARY SUPPORTS.
3. SIGNS TO BE PAID FOR UNDER "SIGN FACE - SHEET ALUMINUM - BRIGHT WIDE ANGLE RETRO- REFLECTIVE SHEETING" ITEM IN THE CONTRACT.
4. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:


- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3).
- ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE 0.08
- ALL COLORS TO BE RETROREFLECTIVE WITH THE EXCEPTION OF BLACK WHICH SHALL BE OPAQUE.

COLORS:

- SIGN COLORS:
LEGEND - BLACK PLAIN
BACKGROUND - (AS SPECIFIED)


ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.

* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING




W11-2 (MUTCD)
LEGEND - BLACK BACKGROUND - YELLOW

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
6.25	30X30	1	0.08




W11-15 (MUTCD)
LEGEND - BLACK BACKGROUND - YELLOW

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
6.25	30X30	1	0.08




W16-7pL (MUTCD)
LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
2.00	24X12	1	0.08




W16-7pR (MUTCD)
LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
2.00	24X12	1	0.08




R3-17 (MUTCD)
LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
5.00	30X24	1	0.08




R3-17b (MUTCD)
LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
2.50	30X12	1	0.08




R9-5 (MUTCD)
LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
1.50	12X18	1	0.08




R10-11 (MUTCD)
LEGEND - BLACK SYMBOL - RED BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
5.00	24X30	1	0.08




R10-6aL (MUTCD)
LEGEND - BLACK BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
5.00	24X30	1	0.08




W20-1 (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08




W20-4 (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08




W20-5 (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08



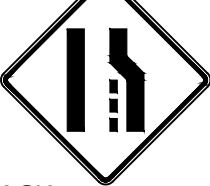
W20-7a (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08



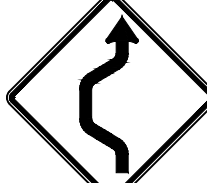
W21-5 (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08



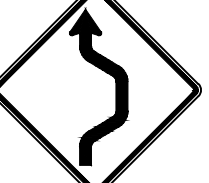
W4-2R (MUTCD)
LEGEND - BLACK BACKGROUND - YELLOW

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08




W24-1L (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08




W24-1R (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08



W21-5a (MUTCD)
LEGEND - BLACK BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
9.0	36x36	1	0.08

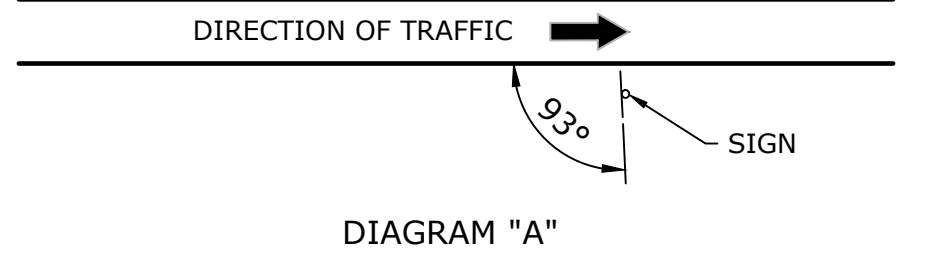


CUSTOM
LEGEND - BLACK BACKGROUND - WHITE

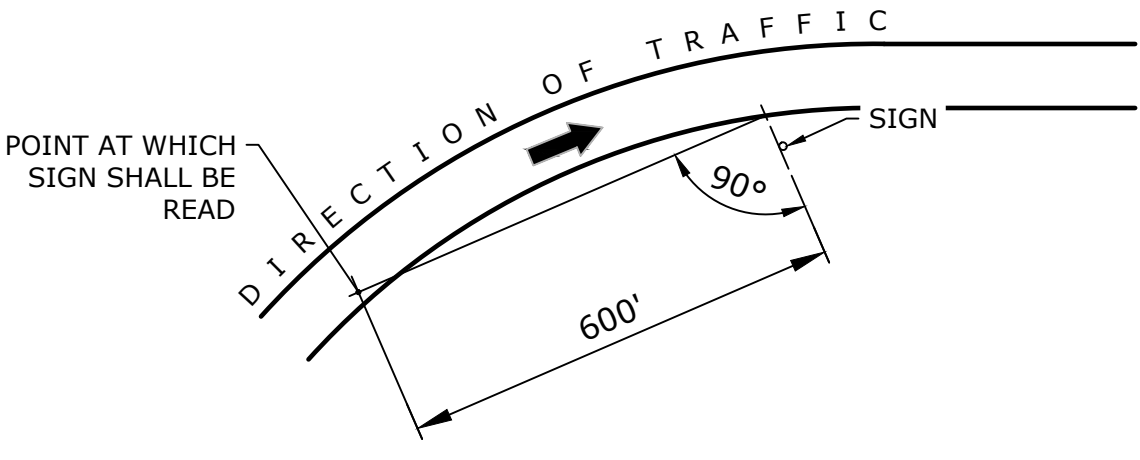
AREA (SQ. FT)	SIZE (INCHES)	POSTS	ALUM. THK.
1.5	18x12	1	0.08

TRAFFIC SIGNS
NOT TO SCALE

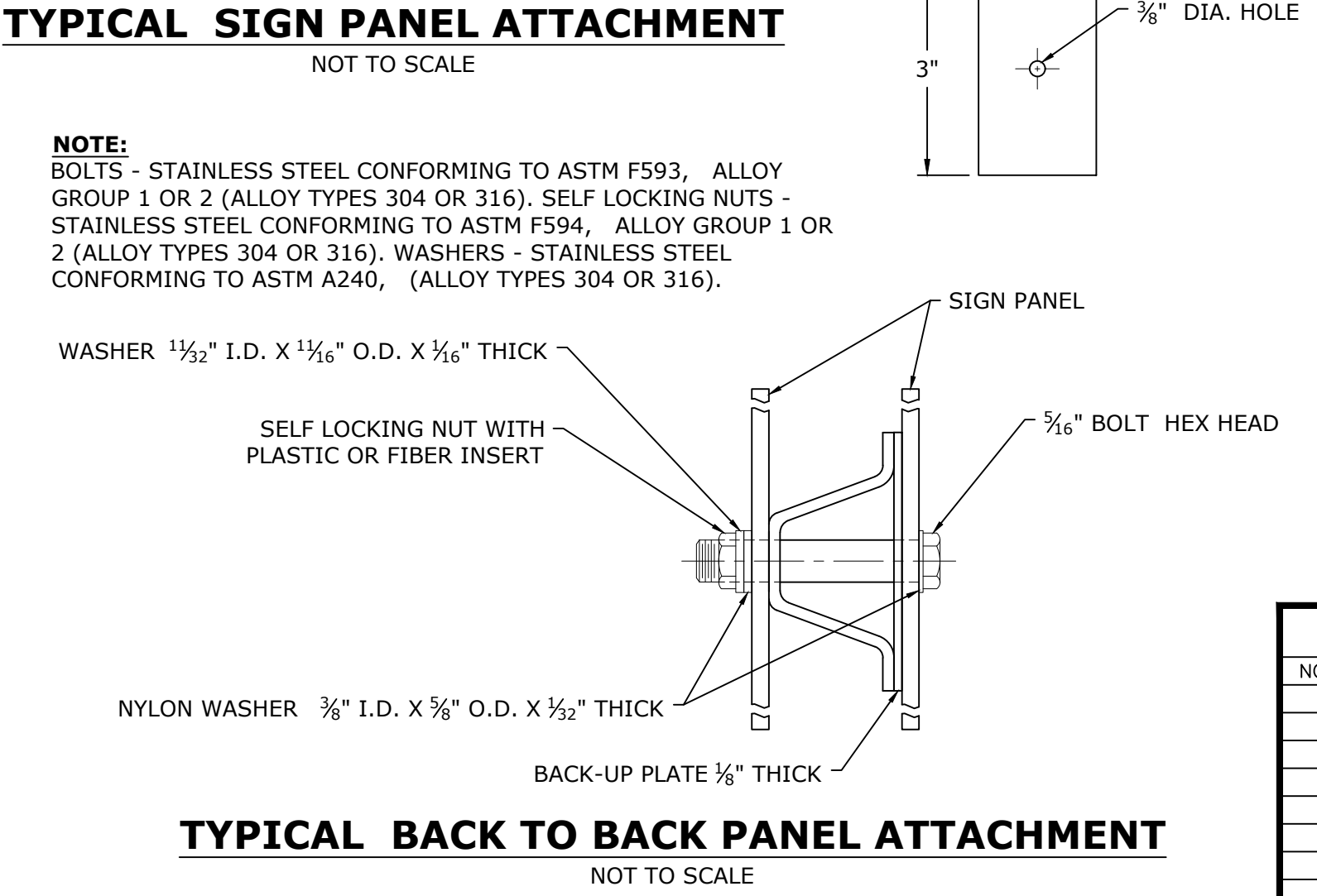
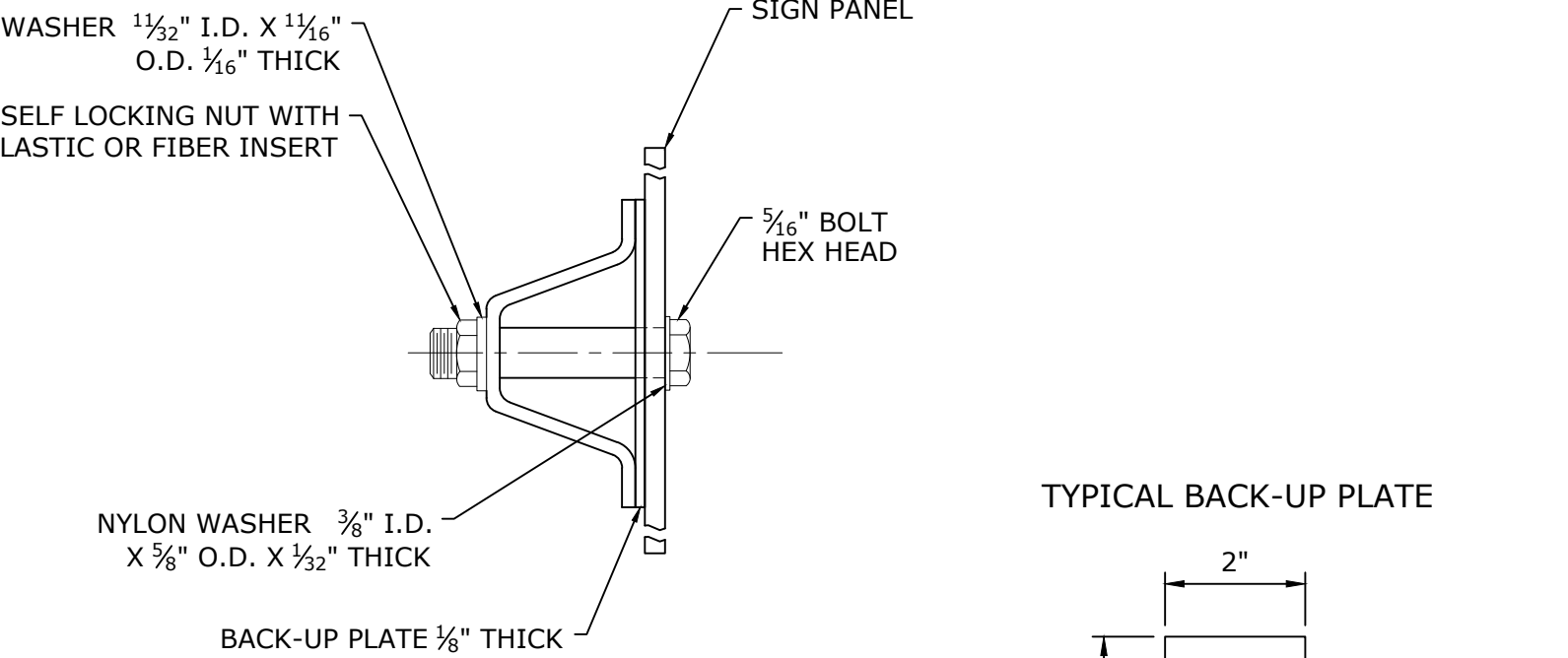
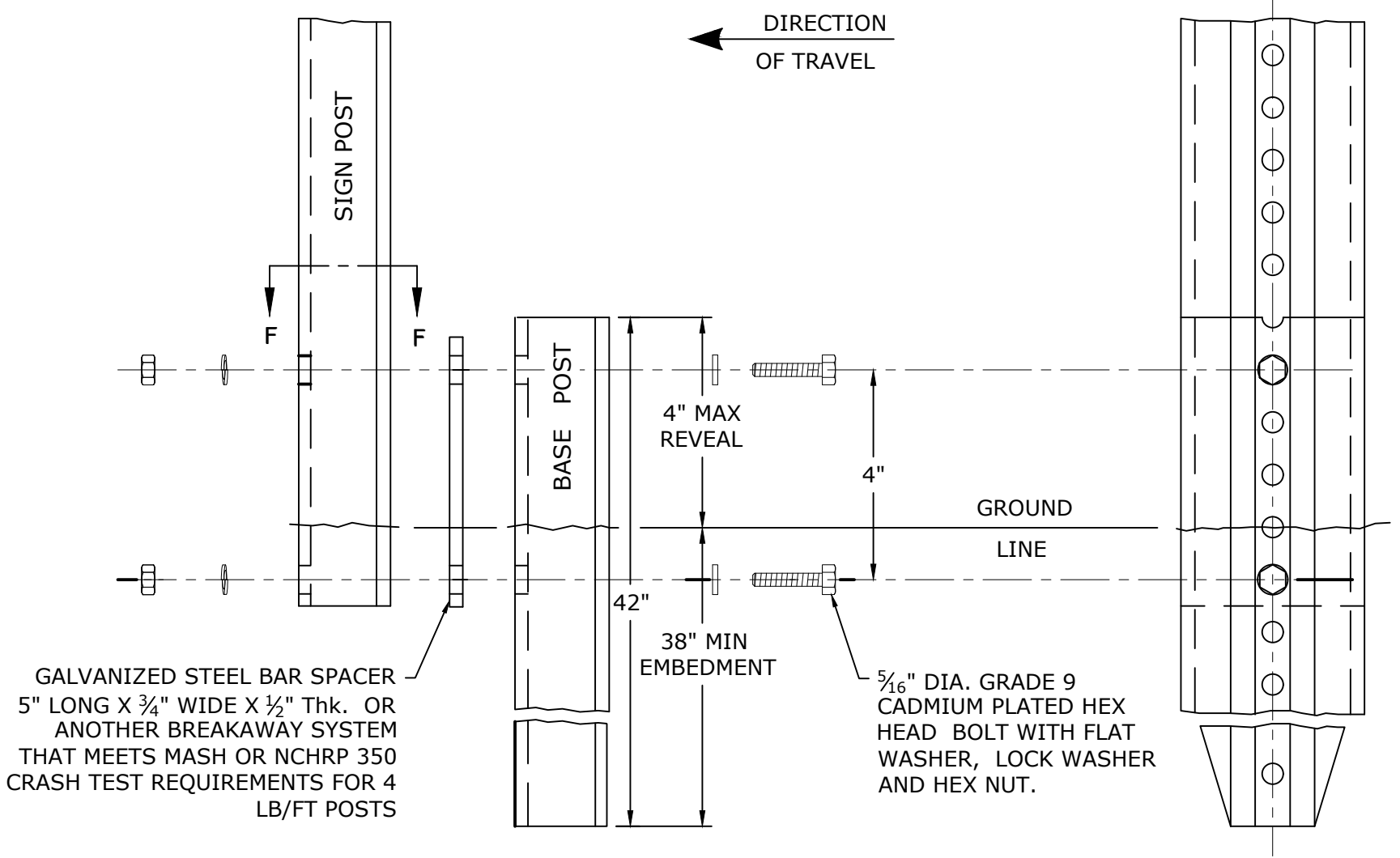
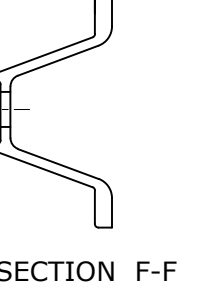
FOR MAXIMUM EFFECTIVENESS AND TO ELIMINATE OR MINIMIZE GLARE, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:
ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 93° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES:



ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.



SIGN ORIENTATION
NOT TO SCALE

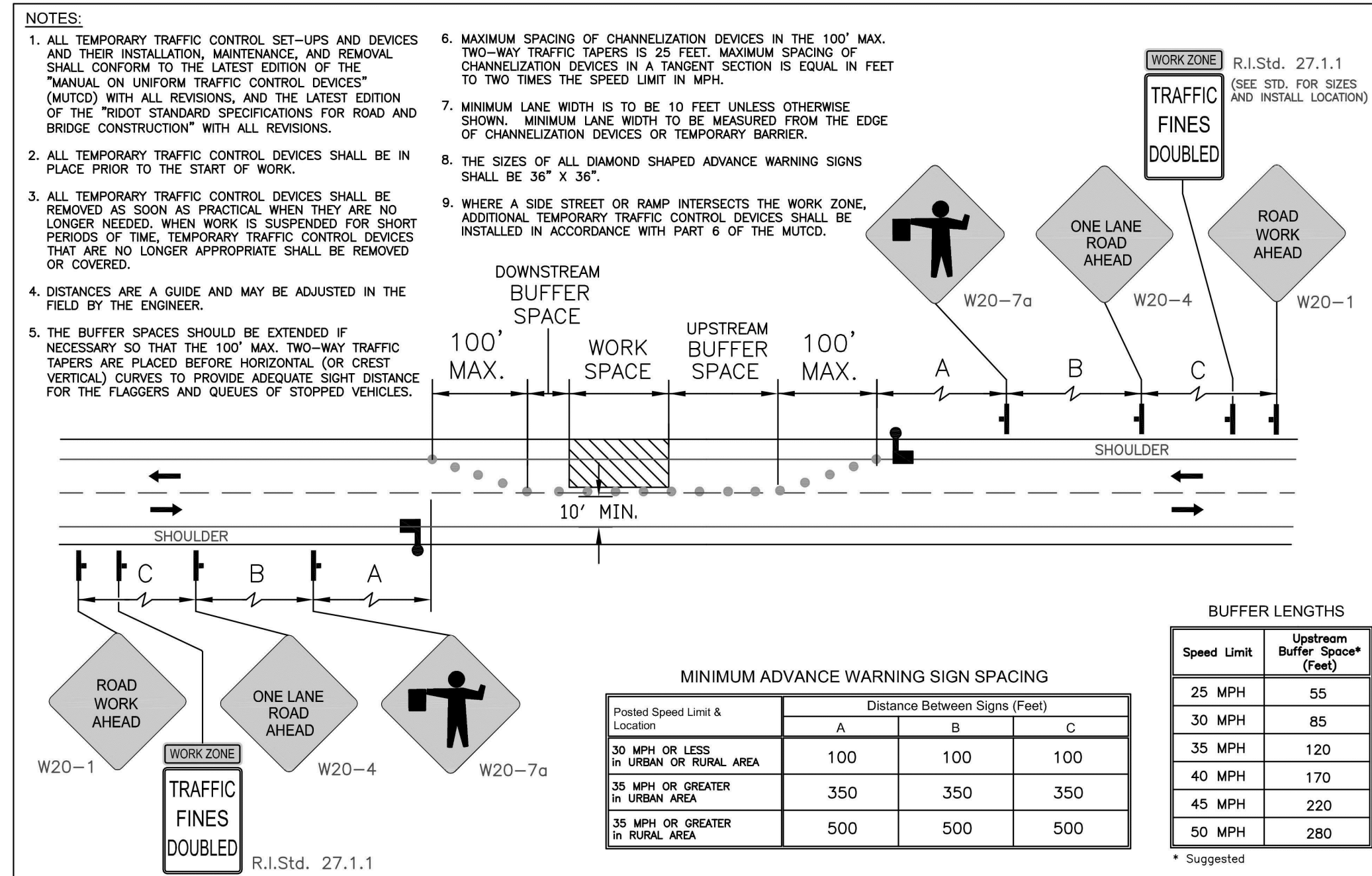


SIGN POST NOTES:

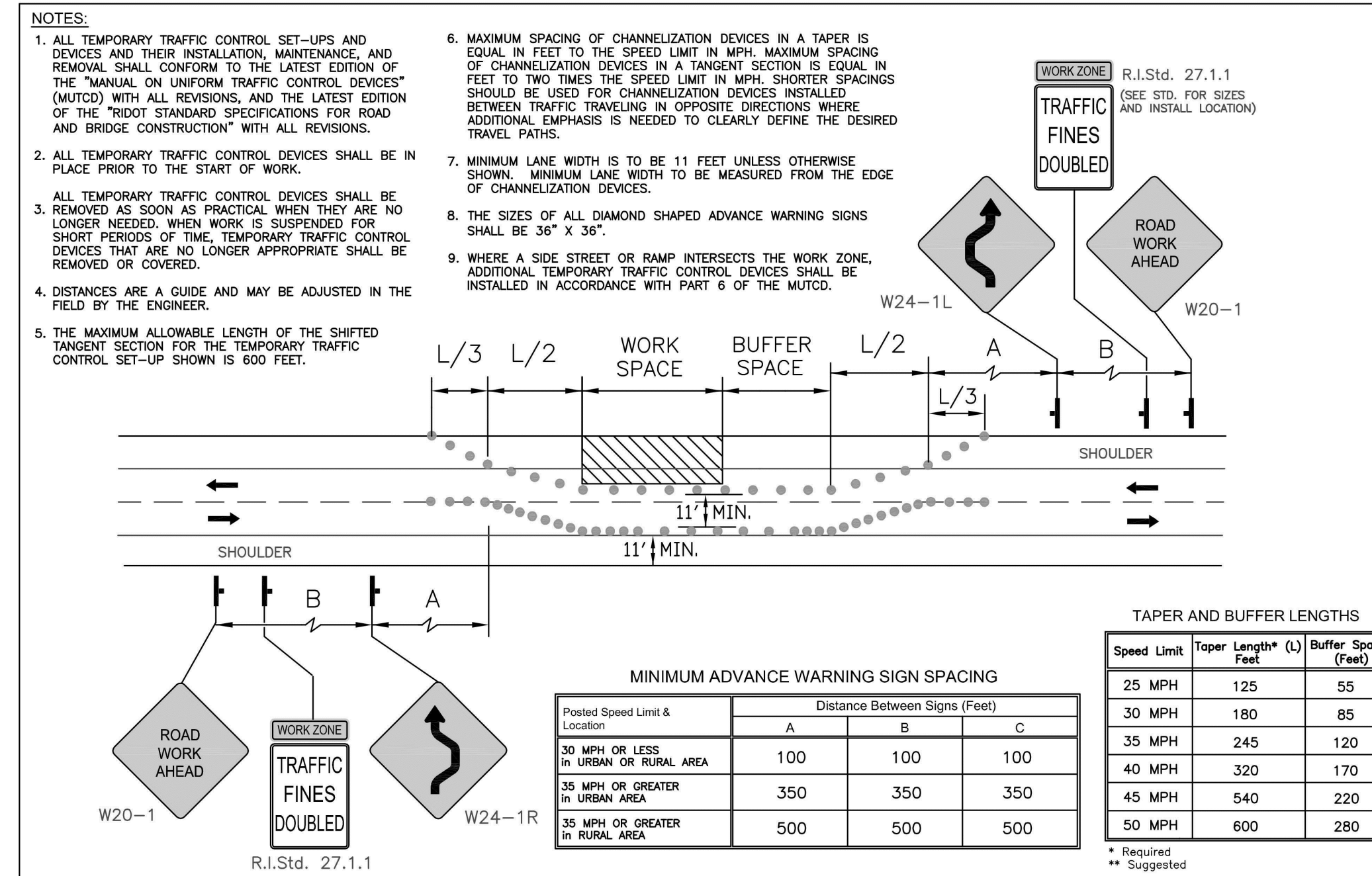
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.

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<p>CITY OF PROVIDENCE</p> <p>DEAN STREET BICYCLE & PEDESTRIAN IMPROVEMENTS</p> <p>PROVIDENCE RHODE ISLAND</p> <p>DETAILS (4 OF 7)</p>		
<p>DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE:</p>		

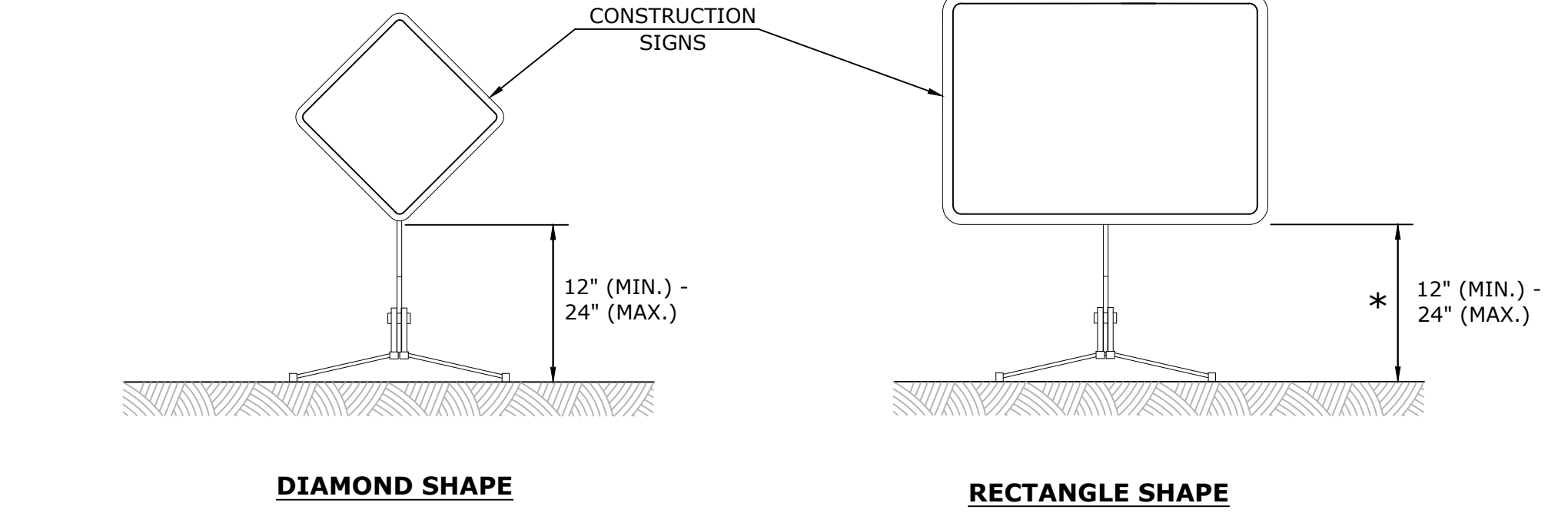
 <p>FUSS & O'NEILL</p> <p>317 IRON HORSE WAY, SUITE 204 PROVIDENCE, RI 02908 401.861.3070 www.fando.com</p>	<p>P CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS 700 ALLENS AVENUE PROVIDENCE, R.I. 02905</p>
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RHODE ISLAND DEPARTMENT OF TRANSPORTATION
TYPICAL LANE CLOSURE ON TWO-LANE ROADWAY
 TEMPORARY TRAFFIC CONTROL PLAN
 NOT TO SCALE DATE: 12-23-08

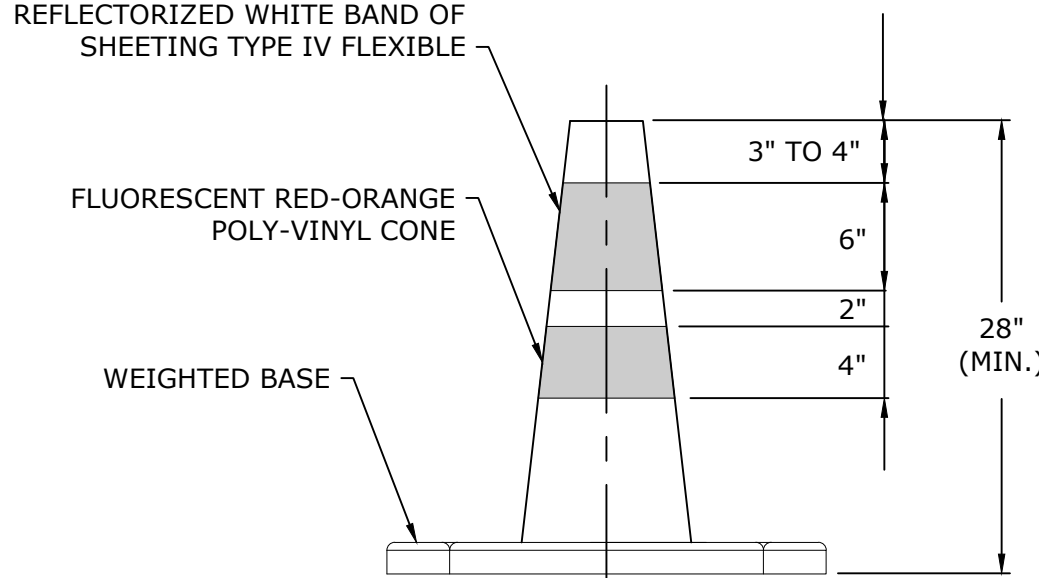
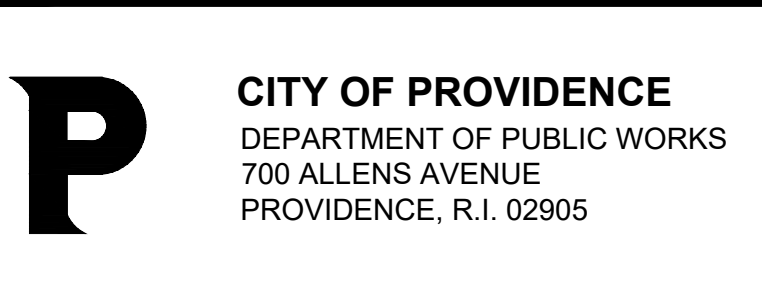


RHODE ISLAND DEPARTMENT OF TRANSPORTATION
TYPICAL LANE SHIFT ON TWO-LANE ROADWAY
 TEMPORARY TRAFFIC CONTROL PLAN
 NOT TO SCALE DATE: 12-23-08



- CONSTRUCTION SIGN NOTES:**
- R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
 - POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
 - POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
 - ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
 - FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES". FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
 - ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
 - MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.
- MATERIALS:**
- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
 - ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125" PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER.
 - SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.
- COLORS:**
- BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
 - LEGEND - BLACK - EXCEPT AS NOTED.
 - ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
 - ALL OTHER SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
 - * SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.
- NOTES FOR PORTABLE SIGN SUPPORTS:**
- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
 - MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
 - THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
 - PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
 - PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.
- * FOR E5-1 (EXIT SIGNS) USE MIN 48".

CONSTRUCTION SIGNS
 NOT TO SCALE



- TRAFFIC CONE NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 923 OF THE R.I. STANDARD SPECIFICATIONS FOR ITEM 923.0200.
 - DIMENSIONS MAY VARY WITH MANUFACTURER'S RECOMMENDATIONS.

TRAFFIC CONE
 NOT TO SCALE

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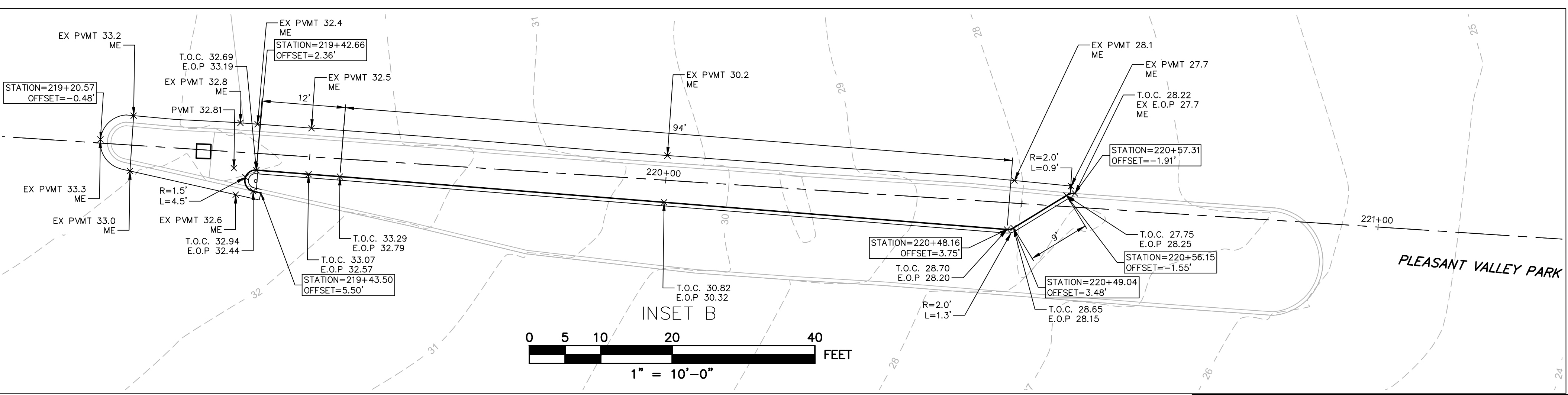
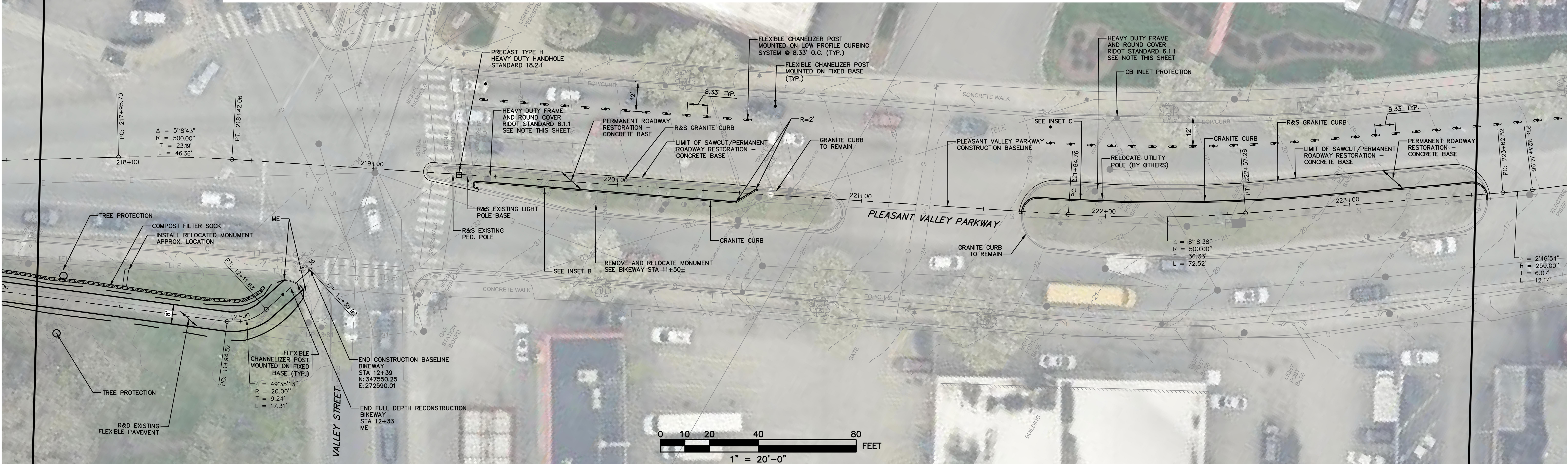
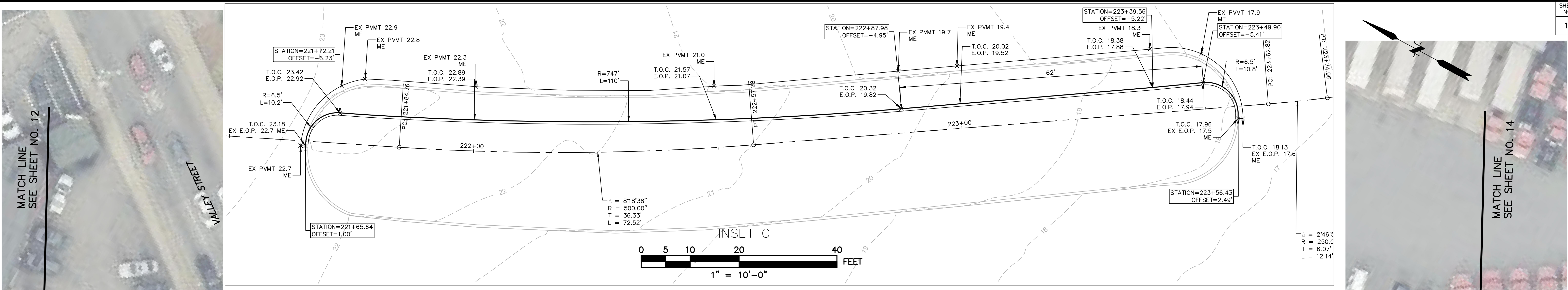
CITY OF PROVIDENCE

DEAN STREET
 BICYCLE & PEDESTRIAN IMPROVEMENTS

PROVIDENCE
 RHODE ISLAND

DETAILS (5 OF 7)

DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE:



NOTE: CONTRACTOR TO INVESTIGATE ALL FRAME AND ROUND COVERS BEFORE REPLACEMENT. IF THE EXISTING STRUCTURE IS DETERMINED TO BE HEAVY DUTY, ACCORDING TO RIDOT STANDARD 6.1.1, REPLACEMENT TO BE APPROVED BY THE CITY PRIOR TO INSTALLATION. ANY NEW FRAME AND COVERS SHALL BE INSTALLED IN A WAY TO AVOID CONFLICT WITH ADJACENT CURBING, EXISTING AND PROPOSED.

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CITY OF PROVIDENCE

DEAN STREET
BICYCLE & PEDESTRIAN IMPROVEMENTS

PROVIDENCE RHODE ISLAND

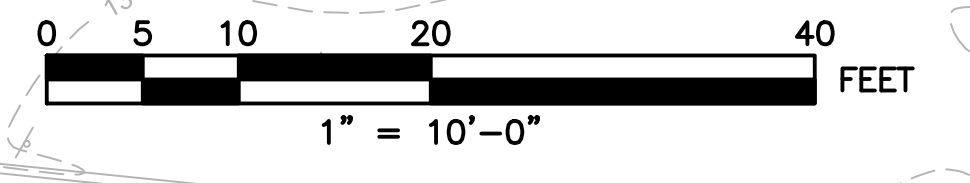
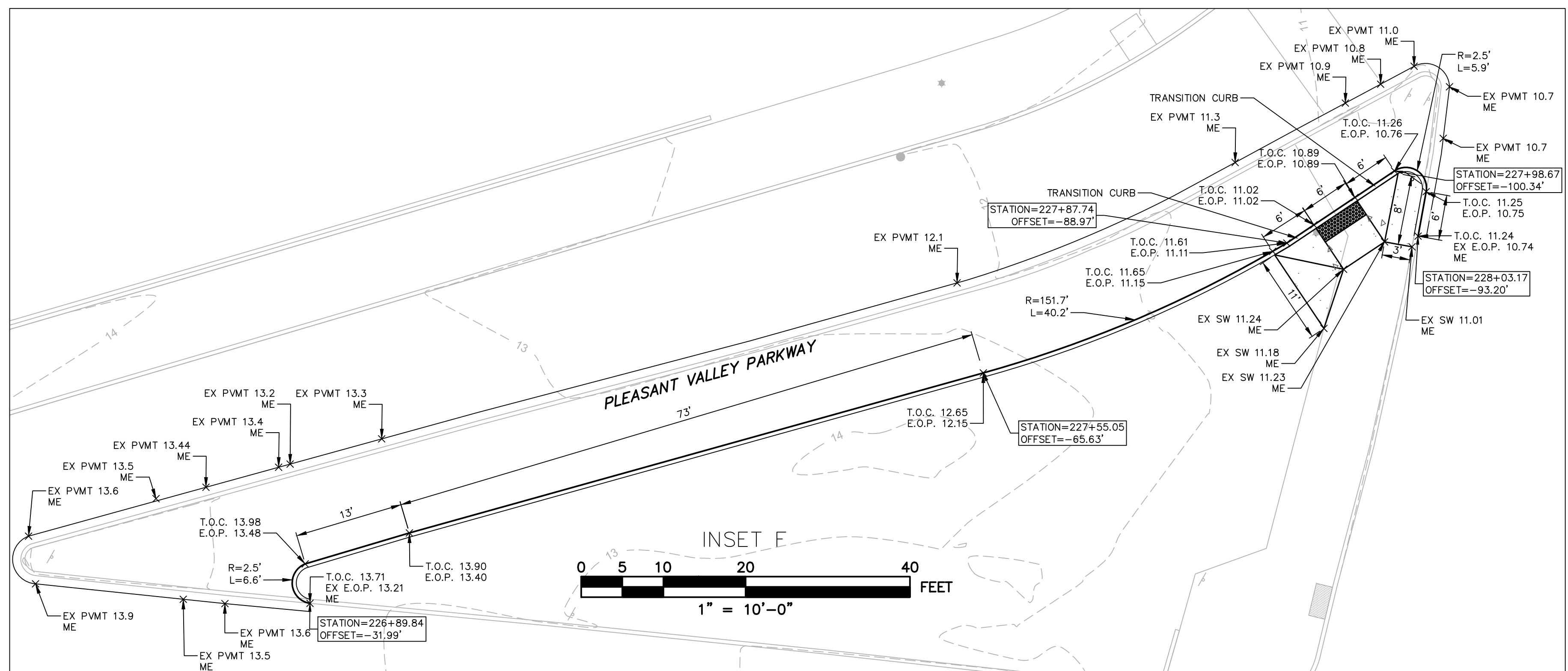
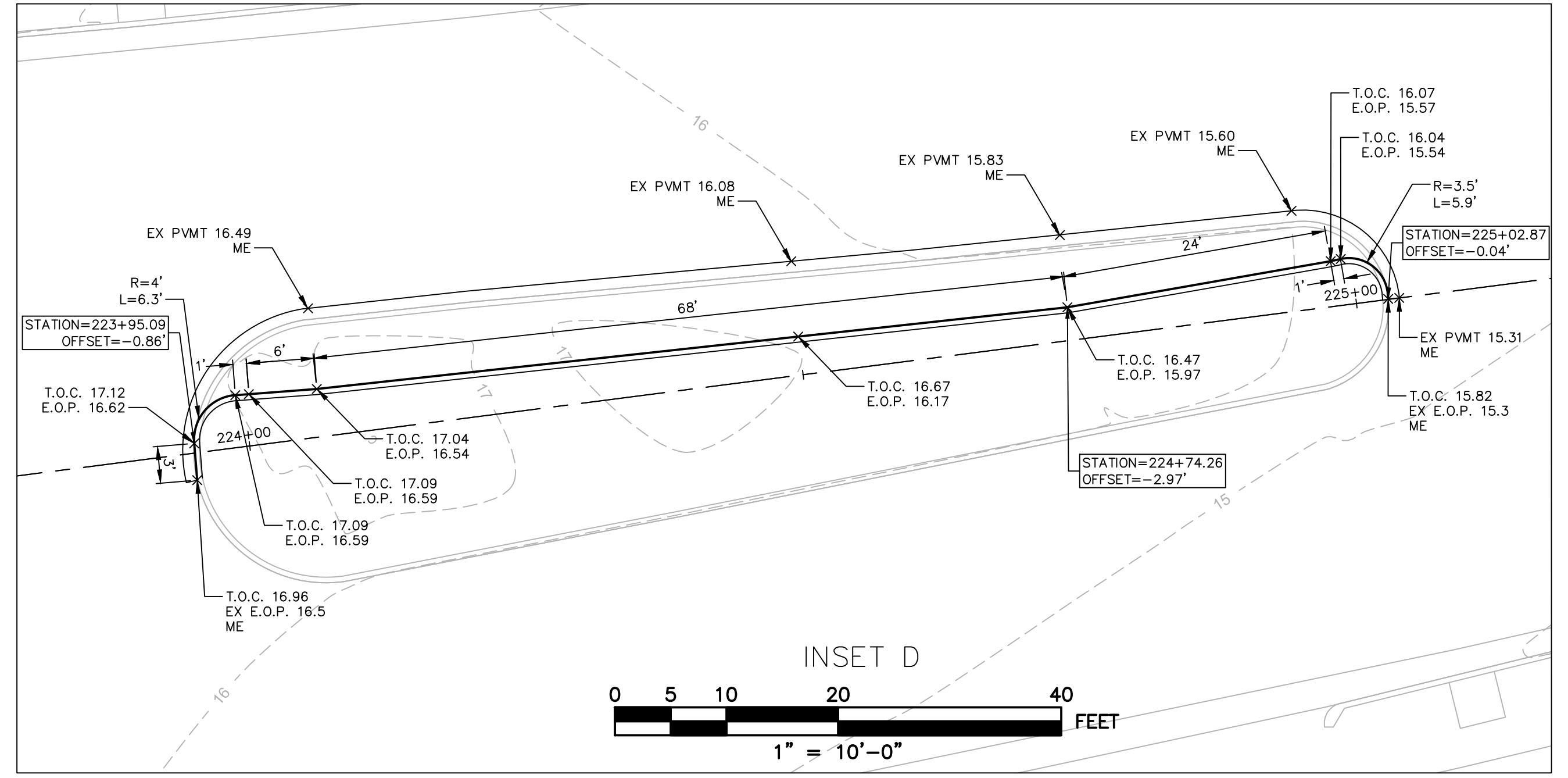
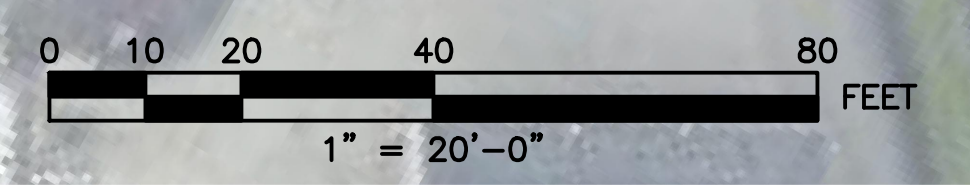
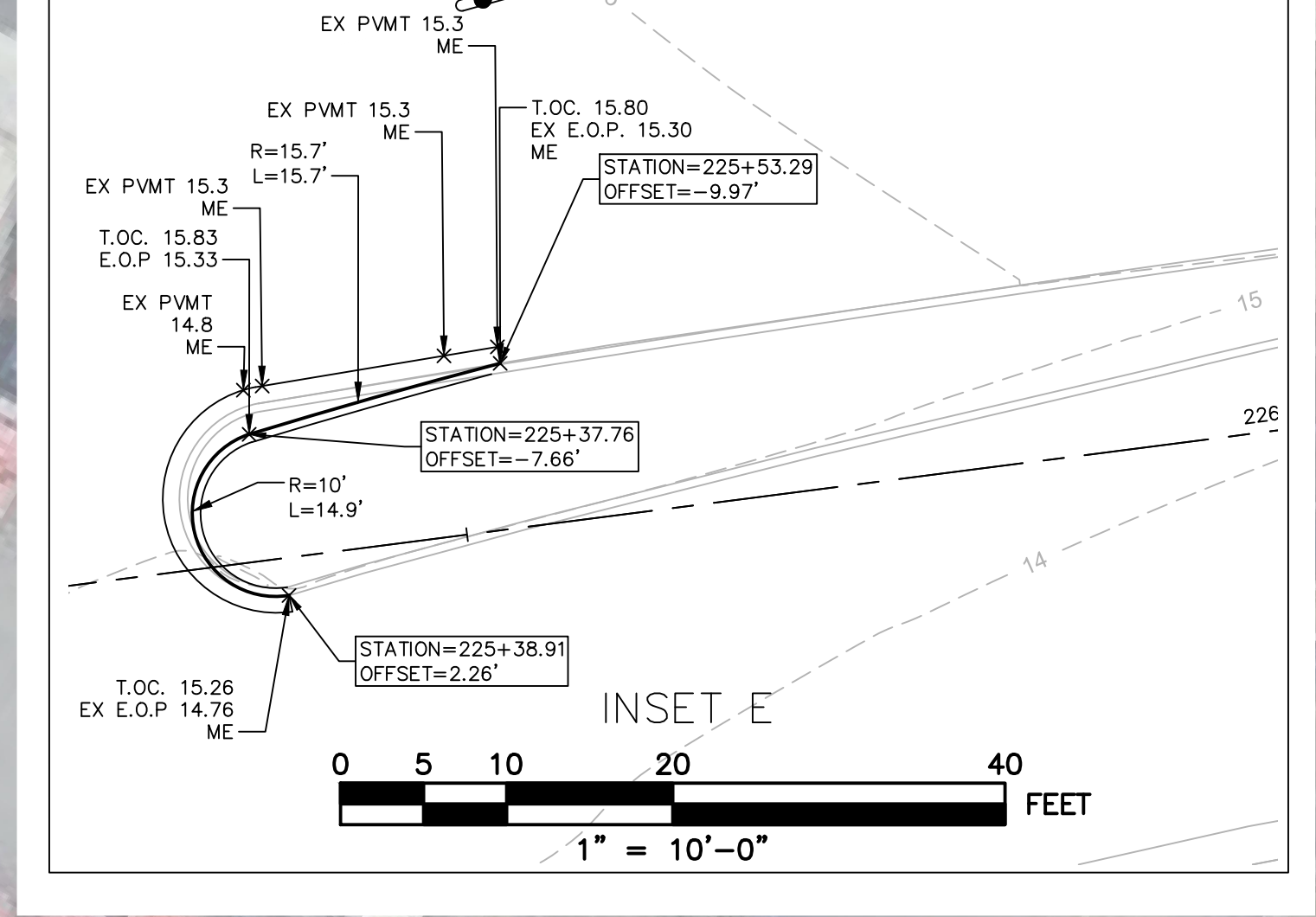
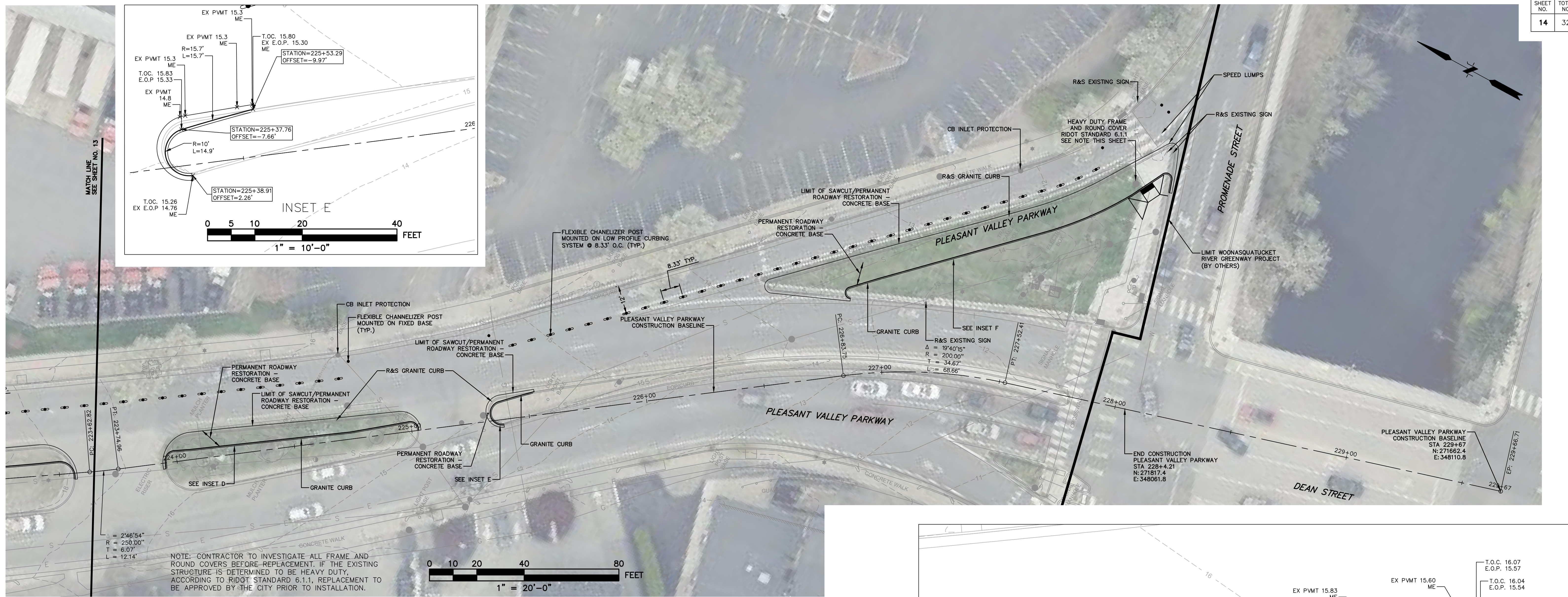
GENERAL PLAN (4 OF 5)

DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE: 1"=20'

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File Path: J:\DWG\2020\0626A10\Civil\Plan\VPV\20200626A10_IPNO1_PVP.dwg Layout: PLN04 Plotted: Thursday, May 13, 2021 - 10:55 PM User: KPATCH Plotter: NONE CTB File: F0208 INOND.CTB



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GENERAL PLAN (5 OF 5)

DWN: KAP CHECKED: NCF DATE: 05/13/2021 SCALE: 1"=20'

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File Path: J:\DWG\2020\0628A10\CivilPlan\VPV\20200628A10_HFN01_PVP.dwg Layout: PLN_05 Plotted: Thursday, May 13, 2021 - 10:56 PM User: RPATCH
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