



CITY OF PROVIDENCE, RHODE ISLAND

Department: Department of Public Works

RFP Title: SLIDE GATE OPERATOR REPAIR – FOX POINT HURRICANE BARRIER, ALLENS AVENUE

Opening Date: 12/05/2022

Addendum #: 1

Issue Date: 11/30/2022

The purpose of this addendum is to respond to bidder questions regarding the RFP and provide clarification / modifications to the contract documents.



**CITY OF PROVIDENCE
SLIDE GATE OPERATOR REPAIR
FOX POINT HURRICANE BARRIER, ALLENS AVENUE**

ADDENDUM NO. 1

The following changes, revisions and/or supplemental information, as applicable, are hereby issued as ADDENDUM NO. 1 in connection with the Contract Documents (Specifications) issued for the above-referenced project.

1. Replace the Instructions to Bidders with the attached, revised Instructions to Bidders. Information regarding allowance items was updated to reflect changes on the Bid Form.
2. Replace the bid form with the attached, revised version. Note the addition of four bid items:
 - 5C - Supplementary Traffic Control – Signal Adjustments
 - 5D - Allowance for Media Advertisement Costs
 - 5E – Assessment of Loop Detectors
 - 5F – Replacement of Loop Detectors
3. Replace specification section 01025 – Measurement and Payment with the attached revised version that includes the items 5C, 5D, 5E and 5F.
4. Replace specification section 01040 – Coordination and Site Conditions with the attached revised version that includes the following new paragraph 2.h:

No more than four weeks following the issuance of the Notice to Proceed, the Contractor shall assess the working condition of all existing traffic loop detectors along the detour route and expedite any repairs that can be made prior to the start of the detour.

5. Insert specification section 01550 – Traffic Regulations, which is attached to this Addendum. This section provides additional guidance on traffic control, including Bid Item 5A – Traffic Regulation.
6. Pre Bid Sign In – See attached sign-in sheets from the November 16, 2022 Pre-Bid meeting.
7. Pre Bid Minutes - See attached meeting minutes from the November 16, 2022 Pre-Bid meeting.

RESPONSE TO BIDDER QUESTIONS

1. Response to Question Submitted 11/23/22:

Question Submitted:

“The actuator manufacturing firm REXA, Inc. has indicated that they may need up to 6 weeks to produce submittals for the slide gate actuators, along with up to 24 weeks for production after submittal approval. These durations do not include submittal review time, any resubmittals and their reviews, or installation. The contract duration per the bid documents is limited to less than 3 months (award up to 60 days after January 2, 2023, and substantial completion by May 31, 2023). The contract schedule timeframe specified in the bid will not be sufficient for the lead time of the slide gate actuators. How will substantial completion be affected by this schedule?”



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Response from DPW:

Due to these anticipated lead time issues, the substantial completion date of May 31, 2023, will only apply to the installation of the new vault lid, hydraulic conduits, and restoration of the pavement to allow normal traffic operations. Upon start of excavation, the three-lane closure shall be allowed for a maximum of two weeks. Following pavement restoration, the contractor will be required to use a traffic pattern that maintains a single lane of traffic in each direction on Allens Avenue during allowable active work periods only and restores the road to normal operations during all other times and does not require a detour. Full substantial completion will be required within one month of receipt of the actuator materials.

2. Response to Question Submitted 11/23/22:

Question Submitted:

“The conditions in the vault were difficult to visualize at the pre-bid meeting due to limited access. Are there photographs of the vault interior that can be shared?”

Response from DPW:

Photographs of the vault interior can be viewed at the following location:

https://providencergov-my.sharepoint.com/:f/g/personal/rbiron_providenceri_gov/EsLs3s1VZ_1EkJlwint94PUBB1wMi-ZubUPqosVo4AW-wg?e=kSMgLp

Should you have any questions, please do not hesitate to contact Roger Biron at 401-680-7531.

Respectfully,

A handwritten signature in blue ink that reads "Roger C. Biron".

Roger Cardoso Biron
City of Providence
Department of Public Works

Attachments:

1. Instructions to Bidders
2. Bid Form
3. Specification Section 01025 – Measurement and Payment
4. Specification Section 01040 – Coordination and Site Conditions
5. Specification Section 01550 – Traffic Regulations
6. Pre-Bid sign in sheet
7. Pre-Bid meeting minutes

2. INSTRUCTION TO BIDDERS

2.1. 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.

2.2. 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 emailed to each person registered as 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.

2.3. 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.

2.4. ALTERNATIVE BIDS

NOT USED

2.5. ALLOWANCES

- A. Allowances shall be included as part of the Base Bid and then further delineated in the Project Schedule of Values. Allowances are subject to all general conditions and standards of the Contract.

1. ADD ALLOWANCES (\$89,770.00):

Item 3A. Allowance for Testing - Grain Size Through No. 200 Sieve (\$500)

Item 3B. Allowance for Testing - Moisture Density Relationship (\$450)

Item 3C. Allowance for Testing - Dry Density and As-Placed Moisture Content (\$1,500)

Item 3D. Allowance for Concrete Compression Test (\$320)

Item 5B. Allowance for Supplementary Traffic Control (\$12,000)

Item 5D. Allowance for Media Advertisement Costs (\$50,000)

Item 9. Allowance for Miscellaneous Electrical and Hydraulic Repairs (\$25,000)

These items shall be reimbursed in accordance with Section 01025 – Measurement and Payment

- B. While allowances are part of the Overall Bid Value submitted, that Contractor is advised that there are No Guarantees that they will be used or otherwise drawn down on and should have no expectation of the allowance work being awarded. Allowances will be accounted for the Schedule of Values as separate Lines Items with the value debited as separate values as they are drawn against.

2.6. 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:
1. Firm (name, address, phone, web address)
 2. Principals (names and home addresses)

2.7. 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.

2.8. 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.

2.9. STATEMENT OF BIDDER'S QUALIFICATIONS

- A. Each Bidder shall completely fill out a Statement of Bidder's Qualifications noting their experience record in constructing the type of improvements embraced in the work, their 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 Low Bidder (Responsive and Responsible) must:
 - 1. Provide a list of equipment owned/leased in their possession;
 - 2. Provide the names and qualifications of the Superintendent and Supervisory personnel assigned major features of work;
 - 3. Provide a description of all self-performed work;
 - 4. Provide the names of proposed subcontractors and extent of work to be performed;
 - 5. 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.
 - 6. Provide the name of the firm's Equal Employment Opportunity with reference to the City or State;

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7. Provide Certification of Non-Discrimination in Equal Employment Opportunity with reference to the State;
 8. 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;
 9. Provide original letters from Bonding & Insurance Companies District Offices indicating willingness to furnish bonds/certificates;
 10. Provide insurance documentation naming the Owner as additionally insured;
 11. Provide list of 10 most recent contracts completed;
 12. Provide list of all uncompleted contracts;
 13. 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.
 14. Provide proof of five years' work experience on projects of similar scope and size.

2.10. UNIT PRICES, SUPPLEMENTAL UNIT PRICES AND ALTERNATES

- A. 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 A.
- B. 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.
- C. 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.

2.11. CORRECTIONS

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

2.12. 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.

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- 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.

2.13. 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.

2.14. 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.

2.15. DESCOPE MEETING

All bidders shall be available for a Pre-Bid Award Descopie 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 Descopie 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.

2.16. 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).

2.17. 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 statutory 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.

- 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.

2.18. 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 workday 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/>.

2.19. 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.

2.20. 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 **June 30, 2023**. The vault roof and temporary pavement must be in place by May 31, 2023.
- 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 Public Works, 700 Allens Avenue, Providence, RI, 02905 (2 copies for DPW and 1 copy for PPBA).

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- 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.

2.21. 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.

2.22. 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.

2.23. 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. If 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.

2.24. 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.

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- C. Only such quantities of the respective items of work 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.

2.25. 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.

2.26. 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 Engineer and Owner.

2.27. CONDITIONS OF WORK

- A. 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.
- B. 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.

2.28. 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

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- D. Interpretation of drawings and specifications
 - E. Test Pits
 - F. The use of explosives
 - 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.
 - P. The Contractor shall submit a Life and Safety Plan prior to the execution of the Work including the Contractor's COVID-19 Plan
 - Q. Environmental

2.29. 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.

2.30. DEFINITIONS

Owner: The term "Owner" means the City of Providence (City), and the Department of Public Works (DPW) which are authorized to undertake this contract.

2.31. 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 Engineer and Owner for approval before commencing work and shall be flexible in revising the "Sequence of Construction" to meet the Owner's needs.

2.32. 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.

2.33. 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)

2.34. INSTRUCTIONS TO BIDDERS

Instructions to Bidders are contained in the Instructions to Bidders Section, 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.

2.35. 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.

2.36. PRE-BID CONFERENCE

A non-mandatory pre-bid conference has been scheduled for the project site. Refer to the Request for Proposals for further information.

2.37. BIDDING 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.

2.38. REQUIRED BID DOCUMENTS

The following documents must be fully executed on the special forms provided herein and must accompany all bids: [REVIEW]

A. City of Providence Board of Contract and Supply and MBE/WBE Participation Forms

B. Bid Bond

C. Certificate of Corporate Principal

D. Non-Collusion Affidavit of Prime Bidder

E. Certification of Non-Segregated Facilities

F. Bidder's Certification for Equal Employment Opportunity

G. Special Requirement for All Out-of-State Contractors and Firms

H. Certification with Regard to Performance of Previous Contracts and Subcontracts

I. Affidavit of Non-Discrimination

J. Certification of Non-Discrimination in Equal Employment Opportunity

K. Statement of Bidders Qualifications

L. Proposed Subcontractors

M. Schedule of Unit Prices

2.39. CERTIFICATE OF NON-SEGREGATED FACILITIES

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

2.40. 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.

2.41. 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.

2.42. 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.
- E. 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.
- F. 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 Engineer 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.
- G. 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.
- H. 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.

2.43. HOLDING OF BIDS

- A. 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.

2.44. AWARD OF CONTRACT / START OF CONSTRUCTION

- A. The CONTRACT for construction is expected to be awarded on January 2, 2023, although this is subject to change. The Board of Contract and Supply may take up to 60 days to formally award the Contract and the Contractor shall commence work within 90 days of Contract Award unless otherwise agreed to in writing.
- B. 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.

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	TOTAL COST
1.	General Requirements	LS	1	\$ _____	\$ _____
UNIT PRICE IN WORDS: _____					
2.	Mobilization (Shall Not exceed 10% of the Total Amount of all Bid Items)	LS	1	\$ _____	\$ _____
UNIT PRICE IN WORDS: _____					
3.	Quality Control				
3A.	Allowance for Testing - Grain Size Through No. 200 Sieve	EA	4	\$125	\$500
UNIT PRICE IN WORDS: One Hundred Twenty Five Dollars and no cents					
3B.	Allowance for Testing - Moisture Density Relationship	EA	2	\$225	\$450
UNIT PRICE IN WORDS: Two Hundred Twenty Five Dollars and no cents					
3C.	Allowance for Testing - Dry Density and As-Placed Moisture Content	1/2 DAY	3	\$500	\$1,500
UNIT PRICE IN WORDS: Five Hundred Dollars and no cents					
3D.	Allowance for Concrete Compression Test	EA	8	\$40	\$320
UNIT PRICE IN WORDS: Forty Dollars and no cents					
4.	Erosion and Sedimentation Controls	LS	1	\$ _____	\$ _____
UNIT PRICE IN WORDS: _____					
5.	Traffic Control				
5A.	Traffic Regulation	LS	1	\$ _____	\$ _____
UNIT PRICE IN WORDS: _____					

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	TOTAL COST
5B.	Allowance for Supplementary Traffic Control - Police Officers	LS	1	<u>\$12,000</u>	\$12,000
	UNIT PRICE IN WORDS: <u>Twelve Thousand Dollars and no cents</u>				
5C.	Supplementary Traffic Control – Signal Adjustments	EA	4	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
5D.	Allowance for Media Advertisement Costs	LS	1	<u>\$ 50,000</u>	<u>\$ 50,000</u>
	UNIT PRICE IN WORDS: <u>Fifty Thousand Dollars and no cents</u>				
5E.	Assessment of Loop Detectors	EA	12	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
5F.	Loop Detector Replacement	LF	1350	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
6.	Demolition and Removal	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
7.	Gate Operators				
7A.	Temporary Personnel Scaffolding/Access Platforms	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
7B.	Temporary Gate Supports and Operator Mechanisms	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
7C.	Remove and Dispose of Existing Gate Operators	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
7D.	New Gate Operators	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	TOTAL COST
7E.	Fitment Modifications of New Gate Operators	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
8.	Slide Gate Structure Improvements				
8A.	Permanent Interior Bracing	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
8B.	Furnish New Precast Concrete Lids	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
8C.	Install New Precast Lids	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
9.	Allowance for Miscellaneous Electrical and Hydraulic Repairs	LS	1	\$25,000.00	\$25,000.00
	UNIT PRICE IN WORDS: Twenty-five Thousand Dollars and no cents				
10.	Control House Exterior Door	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
11.	Bituminous Concrete Pavement	SY	60	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
12.	Emergency Response	EA	4	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				
13.	Demobilization and Clean-up	LS	1	\$ _____	\$ _____
	UNIT PRICE IN WORDS: _____				

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	TOTAL COST
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TOTAL BID AMOUNT FOR DETERMINATION OF LOWEST BID

TOTAL SUM OF EXTENDED UNIT PRICE ITEMS
PLUS LUMP SUM ITEMS (ITEMS 1-13)

\$ _____
(Amount in Figures)

_____ Dollars and _____ Cents
(Amount in Words)

ADD ALT.	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	TOTAL COST
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1. No Add Alternatives

UNIT PRICE IN WORDS: _____

**SECTION 01025
MEASUREMENT AND PAYMENT**

PART 1 GENERAL

1.1 ADMINISTRATIVE SUBMITTALS

- A. Application for Payment: Suitable to Owner and as specified herein.
- B. Final Application for Payment: As specified herein.

1.2 APPLICATION FOR PAYMENT

- A. Use separate, detailed Application for Payment Form suitable to Owner for each pay application.
- B. Preparation:
 - 1. List each Change Order and Written Amendment executed prior to date of submission as a separate line item.
 - 2. Submit three (3) copies of Application for Payment Form, and such supporting data as may be requested by Owner.

1.3 MEASUREMENT - GENERAL

- A. All unit prices that are specified for measurement by the linear foot (LF) shall be measured from the beginning to the termination point of the unit being measured.
- B. Units of measure shown on the Bid Form shall be as follows unless specified otherwise.

<u>Item</u>	<u>Method of Measurement</u>
½ DAY	One-Half Day, Field Count by Owner/Engineer
DAY	One Day, Field Count by Owner/Engineer
EA	Each, Field Count by Owner/Engineer
CREW HR	One Crew Hour, Field Count by Owner/Engineer
SY	Square Yard, Field Measurement by Owner/Engineer
LS	Unit is one, no measurement will be made
TON	Ton, Based on Certified Trip Tickets

1.4 PAYMENT

- A. General: Progress payment requests shall be submitted monthly.
- B. Payment for Lump Sum Work covers all Work necessary to furnish, install and/or complete the following items.

Bid Item No.	Description
1.	General Requirements: Project management; submittals, construction meetings; coordination by telephone; electric, water, sanitary sewer, and gas company requirements; bonds and insurance requirements; downtime due to weather conditions; debris control;

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
	<p>site security (e.g., temporary fencing); construction phasing; survey as required; traffic control; permit requirements; schedules; full-time supervision; and closeout documents.</p> <p>As part of this Bid Item, the Contractor shall be responsible for preparing hand annotated full-size drawings that reflect the revisions/changes made in the field. These drawings shall be utilized by the Owner/Engineer at the end of the project to prepare the Project Record Drawings. Progress payments to the Contractor by the Owner shall be contingent upon the daily preparation and maintenance of these drawings as determined by regular inspections by the Owner/Engineer.</p> <p>Payment for this Bid Item shall be 35% of the Lump Sum Bid price in the first month with the remainder of the payment (65%) being equally divided among the remaining months in the contract time. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; off-site disposal; and other fees, equipment, supervision, and supplies required for the work.</p>
2.	<p><u>Mobilization</u>: Move in personnel, equipment, and materials; and set up and install temporary trailer(s) and utilities as required. <u>Note</u>: The Contractor shall provide temporary trailer(s) as required for its own use and is not responsible for providing a temporary trailer for the Owner's/Engineer's use.</p> <p>Mobilization shall not exceed 10% of the Total Amount of all Base Bid Items and will not be affected due to Owner exercising Bid Alternates, if any. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.</p>
4.	<p><u>Erosion and Sediment Controls</u>: Furnish, install, and maintain erosion and sedimentation controls (e.g., silt fence, straw bales, silt socks, dewatering bags, and catch basin inserts) as required, and remove erosion and sediment controls in their entirety at completion.</p> <p>Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.</p>
5A.	<p><u>Traffic Regulation</u>: Furnish all labor, materials, and equipment to implement the temporary traffic management plan for Allens Avenue as specified and shown in the Contract Documents, including temporary road widening and restoration of roadway, curb and sidewalk affected by the widening.</p> <p>Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work, including multiple setups (if required).</p>
5D.	<p><u>Allowance for Media Advertisement Costs</u>: This allowance item is for any television, radio, newspaper or internet advertising required to</p>

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
	<p>alert the general public of potential traffic impacts due to the proposed construction, at the City’s direction. Contractor to provide Owner a detailed cost estimate of advertisements for review and approval by Owner prior to committing to ad agency. Payment for this Lump Sum Bid Item shall be based on invoices from ad agencies utilized without markup and shall be considered full compensation for all labor, materials, and other fees, equipment, supervision, and supplies required for the work.</p>
6.	<p><u>Demolition and Removal:</u> Furnish all labor, materials, and equipment to sawcut and remove the existing asphalt and concrete, including concrete road base; excavate, load, and transport excavated soil to the Stockpile/Storage Area; temporarily support existing utilities; sawcut and remove the existing concrete lid; demolish and remove the existing access ladder; demolish and remove the existing hydraulic equipment, metal door and metal door frame from the control house, load demolition debris; and truck and dispose of demolition debris offsite as specified and shown in the Contract Documents. All demolition material shall be disposed of offsite in accordance with all local, State, and Federal Laws and Regulations. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; off-site disposal; and other fees, equipment, supervision, and supplies required for the work.</p>
7A.	<p><u>Temporary Personnel Scaffolding/Access Platforms:</u> Furnish all labor, materials, and equipment to install temporary scaffolding/access platforms to facilitate installing/removing the temporary gate supports and disconnecting/reconnecting the gate operator stems from the existing Slide Gates as specified and shown in the Contract Documents. The temporary scaffolding/access platforms shall be removed in their entirety upon completion of the Work, and any deficiencies caused by their installation (i.e., drill holes) shall be repaired by the Contractor at no additional cost to the Owner. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.</p>
7B.	<p><u>Temporary Gate Supports and Operator Mechanisms:</u> Furnish all labor, materials, and equipment to temporarily support the existing Slide Gates in the open position and provide a temporary mechanism to operate the Slide Gates while the hydraulic operators are not in service, as specified and shown in the Contract Documents. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.</p>
7C.	<p><u>Remove and Dispose of Existing Gate Operators:</u> Furnish all labor, materials, and equipment to disconnect, remove, and dispose of the existing Slide Gate Operators and anchorage as specified and shown in the Contract Documents. Payment for this Lump Sum Bid Item shall</p>

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
	be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.
7D.	<u>New Gate Operators:</u> Furnish all labor, materials, and equipment to install and connect the new hydraulic gate operators and remote hydraulic power units, complete, as specified and shown in the Contract Documents. This Item shall also include the work required to connect electricity to the remote power units in the Control House, install the conduits as shown on the drawings including inside the control house and the vault and to have the hydraulic gate operator supplier visit the site and test the system upon installation. Following the testing, the supplier shall provide a written Compliance Report stating that the new gate operators have been operated and are in good working order. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; equipment warranties; and other fees, equipment, supervision, and supplies required for the work.
7E.	<u>Fitment Modifications of New Gate Operators:</u> Furnish all labor, materials, and equipment to modify/machine the gate stems as required to make the final connections to the existing Slide Gates. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.
8A.	<u>Permanent Interior Bracing:</u> Furnish all labor, materials, and equipment to install the permanent interior bracing as specified and shown in the Contract Documents. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.
8B.	<u>Furnish New Precast Concrete Lids:</u> Furnish all labor, materials, and equipment to furnish the new precast concrete lids with access hatches, complete, as specified and shown in the Contract Documents. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.
8C.	<u>Install New Precast Concrete Lids:</u> Furnish all labor, materials, and equipment to install the levelling grout, set the precast concrete lids, drill and grout the anchor rods, furnish and install the access ladders, and backfill & compact up to the pavement subgrade elevation, as specified and shown in the Contract Documents. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.
9.	<u>Allowance for miscellaneous electrical, and hydraulic repairs.</u> This allowance item is for any miscellaneous work including electrical or hydraulic work, not specified elsewhere, that is required as a result of the project's execution. Contractor to provide Owner a detailed cost estimate of work for review and approval by Owner. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor;

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
	materials; and other fees, equipment, supervision, and supplies required for the work.
10.	<u>Control House Exterior Door:</u> Furnish all labor, materials and equipment to remove and replace the existing door to the Control House as shown in the Contract Documents, including door, frame, hardware and painting. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor, materials, equipment, supervision and supplies required for the work.
13.	<u>Demobilization and Cleanup:</u> Move out personnel, equipment, and unused material; clean entire site occupied during the work; and remove all rubbish and debris. Payment for this Lump Sum Bid Item shall be considered full compensation for all labor; materials; off-site disposal; and other fees, equipment, supervision, and supplies required for the work.

C. Payment for unit price items covers all Work necessary to furnish, install, and/or complete the following items.

Bid Item No.	Description
3A.	<u>Grain Size through No. 200:</u> This allowance item is for performance of grain size analyses in accordance with ASTM D422 and by an independent third party, licensed/certified to perform such work. Payment for this Unit Price Item will be measured based on the number of Grain Size tests completed, in accordance with the Contract Documents, and as accepted by the Owner.
3B.	<u>Moisture Density Relationship:</u> This allowance item is for performance of moisture density tests in accordance with ASTM D1557 and by an independent third party, licensed/certified to perform such work. Payment for this Unit Price Item will be measured based on the number of Moisture Density Relationship tests completed, in accordance with the Contract Documents, and as accepted by the Owner.
3C.	<u>Dry Density and As-Place Moisture Content:</u> This allowance item is for performance of in-place dry density and as-placed moisture content in accordance with ASTM D2922 and D3017 and by an independent third party, licensed/certified to perform such work. Payment for this Unit Price Item will be measured based on the number of ½ Days of Dry Density and As-Place Moisture tests completed, in accordance with the Contract Documents, and as accepted by the Owner.
3D.	<u>Concrete Compression Test:</u> This allowance item is for the provision of a Laboratory Technician to collect, cure, and test concrete cylinders in accordance with ASTM C31 and C39 and by an independent third party, licensed/certified to perform such work. Payment for this Unit Price Item will be measured based on the number of Concrete Compressive Strength tests completed, in accordance with the Contract Documents, and as accepted by the Owner.

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
5B.	<u>Supplementary Traffic Control – Police Officer:</u> This allowance item is for any supplementary traffic control during the performance of the work which shall be provided by off-duty, City of Providence Police Officers, in accordance with Special Condition 6.23 Traffic Control. Payment for this Lump Sum Item will be on a pass-through basis, measured based on the number of hours invoiced by the City of Providence monthly, and as accepted by the Owner.
5C.	<u>Supplementary Traffic Control – Signal Adjustments:</u> This item is for any work required to furnish labor, materials, and equipment to adjust the timing of existing traffic signals that may require changes once the detour is in operation, at the City's direction. All timing changes shall be reviewed by the City of Providence Traffic Engineer prior to implementation. Payment for this Unit Price Item will be measured per intersection and shall be considered full compensation for all labor, materials, and other fees, equipment, supervision, and supplies required for the work.
5E.	<u>Assessment of Loop Detectors:</u> Furnish all labor, materials, and equipment to assess the working condition of the loop detectors and loop detector amplifiers at signalized intersections along the detour route as shown in the Contract Documents and as directed by the City of Providence or Engineer. Payment for this Unit Price Item will be measured per intersection assessed, in accordance with the Contract Documents, and as accepted by the Owner.
5F.	<u>Loop Detector Replacement:</u> Furnish all labor, materials, and equipment to install replacement loop detectors and loop detector amplifiers when the existing loop detectors and / or amplifiers have been determined to not be in working condition. Payment for this Unit Price Item will be measured based on the linear feet of loop detector placed, and includes the cost of replacement loop detector amplifiers in accordance with the Contract Documents, and as accepted by the Owner.
11.	<u>Permanent Pavement Restoration:</u> Furnish all labor, materials, and equipment to restore the asphalt pavement, including concrete base (drilling and doweling), signalization repairs, full width (curbline to curbline) milling and overlay, curb restoration, sidewalks and lane striping as specified and shown in the Contract Documents. Payment for this Unit Price Item will be measured based on the square yards of asphalt placed, in accordance with the Contract Documents, and as accepted by the Owner.
12.	<u>Emergency Response:</u> This item is for any work required to furnish labor, materials, and equipment to operate the existing Slide Gates and/or clear Allens Avenue as required for the City to operate the Hurricane Barrier Gates in anticipation of a storm event, at the City's direction. The Contractor shall be equipped and ready to operate the existing slide gates upon receipt of a notice to proceed from the owner. The period of Contractor gate operation shall be defined as the time

**SECTION 01025
MEASUREMENT AND PAYMENT**

Bid Item No.	Description
	from the issuance of Notice to Proceed to final completion, inclusive of permanent restoration and punch list. The Contractor shall respond to a directive from the City of Providence and immediately mobilize to the site. Payment for this Unit Price Bid Item shall be considered full compensation for all labor; materials; and other fees, equipment, supervision, and supplies required for the work.

D. Payment for add alternate lump sum and/or unit price items covers all Work necessary to furnish, install, and/or complete the following items.

Alternates	Description
--	There are no alternates for this project.

E. Payment for equipment, materials and labor for items not included on the Bid or described in Article PAYMENT, herein, shall be considered incidental and no separate payment will be made.

1.5 NONPAYMENT FOR REJECTED OR UNUSED PRODUCTS

A. Payment will not be made for following:

1. Loading, hauling, and disposing of rejected material.
2. Quantities of material wasted or disposed of in manner not called for under the Contract Documents.
3. Rejected loads of material, including material rejected after it has been placed by Contractor.
4. Material not unloaded from transporting vehicle.
5. Defective Work not accepted by the Engineer.
6. Material remaining on hand after completion of Work.

1.6 PARTIAL PAYMENT FOR STORED MATERIALS AND EQUIPMENT

A. Final Payment: Will be made only for materials incorporated into the Work in the Contract; no partial payments shall be made for equipment or materials delivered to the site but not used, unless otherwise agreed to be the Owner.

1.7 FINAL APPLICATION FOR PAYMENT

- A. Reference the Owner’s Contract, and as may otherwise be required in the Plans and Technical Specifications.
- B. Prior to submitting final application, make acceptable delivery of required documents.

**SLIDE GATE OPERATOR REPAIR
FOX POINT HURRICANE BARRIER – ALLENS AVENUE**

NOVEMBER 2022

**SECTION 01025
MEASUREMENT AND PAYMENT**

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

J:_North Kingstown\19111.01 - Allens Avenue Sewer Sluice Gate Design\SPECS\Final\Addendum\01025 - Measurement and Payment.docx

**SECTION 01040
COORDINATION AND SITE CONDITIONS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Requirements for coordinating and sequencing the work under the Contract and with other Contracts, and requirements regarding existing site conditions and permits.

1.2 JOBSITE COORDINATION

- A. Coordination with other work: The project work shall be coordinated with the following:
 - 1. The traffic flow along Allens Avenue and the proposed detour route, in accordance with the approved RIDOT TMP.
 - 2. The replacement of the existing Hurricane Barrier Gate Support Foundations and hatches.
 - 3. The restoration of Allens Avenue in the project area where required due to the excavation, the temporary widening for the necessary traffic pattern(s), and site restoration.

1.3 SITE CONDITIONS

- A. Information on Site Conditions:
 - 1. General: Other information obtained by the Owner/Engineer regarding the site conditions, topography, subsurface information, groundwater elevations, existing construction of site facilities as applicable, and similar data will be available for inspection at the office of the Owner. Such technical data includes but is not limited to the original bulkhead drawings and subsequent bulkhead repair drawings.
 - 2. Topographic and bathymetric maps were used in the project design. Topographic and bathymetric maps are included in the Drawings.
 - 3. Profile Elevations:
 - a. Existing Slide Gate Vault sections and elevations shown on the Drawings were taken from the original design drawings for Fox Point Hurricane Barrier prepared by Fenton G. Keyes Associates and U.S. Army Corps of Engineers, dated March 31st, 1961, as provided by the City of Providence.
 - 4. Control Points: The Owner/Engineer has performed supplemental survey work and has established vertical and horizontal survey control points on structures and improvements located in the vicinity of the work. The location of vertical and horizontal survey control points is shown on the Drawings.

- B. Existing Utilities:

**SECTION 01040
COORDINATION AND SITE CONDITIONS**

1. Refer to the Drawings for existing utilities and sources.
2. Contractor's Responsibilities:
 - a. Where Contractor's operations could cause damage or inconvenience to railway, telephone, fiber optic, television, power, oil, fuel, gas, water, sewer, or irrigation systems, the Contractor shall make arrangements necessary for the protection of these utilities and services. Replace existing utilities removed or damaged during construction, unless otherwise provided for in these Drawings and Specifications.
 - b. Notify utility offices that are affected by construction operations at least 3-business days in advance. Under no circumstances, expose any utility without first obtaining permission from the appropriate utility. Once permission has been granted, locate, expose, and provide temporary support for the utilities as required.
 - c. The Contractor shall relocate power poles as required for the performance of the work.
 - d. The Contractor shall be solely and directly responsible to Owner and Operator of such properties for damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of injuries or damage which may result from construction operations under this Contract.
 - e. Neither Owner nor its officers or agents shall be responsible to Contractor for damages as a result of Contractor's failure to protect utilities encountered in the work.
 - f. In event of interruption to domestic water, sewer, storm drain, or other utility services as a result of accidental damage due to construction operations, promptly notify the proper authority. Cooperate with said authority in restoration as promptly as possible and pay for repair. Prevent interruption of utility service unless granted by the utility owner.
 - g. In the event Contractor encounters water service lines that interfere with trenching, obtain prior approval of the water utility, cut the service, dig through, and restore service to previous conditions using equal materials.
 - h. No more than four weeks following the issuance of the Notice to Proceed, the Contractor shall assess the working condition of all existing traffic loop detectors and loop detector amplifiers along the detour route and complete any repairs prior to the start of the detour.
3. Utility Contact:
 - a. Mr. Craig Hochman, PE, Chief Engineer, Department of Public Works, City of Providence (401-680-7515, chochman@providenceri.com).

**SECTION 01040
COORDINATION AND SITE CONDITIONS**

- b. Mr. Roger Biron, Assistant Chief Engineer, Department of Public Works, City of Providence (401-680-7531, rbiron@providenceri.com)
- c. Meg Goulet, PE, Director of Operations and Maintenance, Narragansett Bay Commission (401 443-4572, mgoulet@narrabay.com)

- 4. Contractor shall not perform work or occupy any part of Allens Avenue without prior authorization from RIDOT and notice to the Narragansett Bay Commission and RIPTA.

C. Interfering Structures:

- 1. Protect and take necessary precautions to prevent damage to existing structures whether on the surface, aboveground, or underground. An attempt has been made to show the major structures on the Drawings. While the information has been compiled from the best available sources, its completeness and accuracy cannot be guaranteed.

D. Field Relocation:

- 1. During construction, minor relocations of proposed facilities and structures may be necessary. Make such relocations only by directive of the Owner/Engineer. If existing structures are encountered that prevent construction as shown, notify the Owner/Engineer before continuing with work so that Owner/Engineer may make necessary field revisions.

E. Monuments and Markers:

- 1. Protect survey monuments and markers throughout construction. If damage occurs or removal becomes necessary, immediately notify the Owner/Engineer and restore or replace monument or marker in accordance with applicable State of Rhode Island regulations.

F. Easements:

- 1. It is not anticipated that easements will be required to perform this work.

1.4 PROJECT MEETINGS

- A. See Section 01200, PROJECT MEETINGS.

1.5 TIME OF WORK:

- A. In accordance with the Standard Workweek established by the Owner.
- B. Night work may be scheduled by the Contractor when absolutely necessary and with the written permission of Owner and RIDOT. Such written permission, however, may be revoked at any time if Contractor fails to properly execute and control nighttime work.

**SECTION 01040
COORDINATION AND SITE CONDITIONS**

- C. Overtime Notice: If Contractor for convenience should desire to carry on work at night or outside regular hours, submit written notice 1 day in advance of performing the work to the Owner/Engineer and allow ample time for satisfactory arrangements to be made for inspecting work in progress.

1.6 HEALTH, SAFETY, ACCIDENT PREVENTION, AND TRAINING

A. GENERAL:

- 1. It shall be the Contractor's responsibility to provide a complete and working Safety Activity Plan prior to starting to work.

1.7 PERMITS

- A. Refer to Special Conditions Section 6.66 for information on required permits.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

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**SECTION 01550
TRAFFIC REGULATION**

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes

1. Traffic Requirements
2. Roadway Work Restrictions
3. Temporary Traffic Control Plans
4. Temporary Pedestrian Traffic Control Plans
5. Roadway Closures and Detours
6. Traffic officers
7. Construction Signs
8. Temporary Pavement Markings
9. Removal of Existing Pavement Markings
10. Temporary Traffic Control Devices
11. Traffic Control Signal Temporary Signalization

B. Payment

1. Contractor is responsible for scheduling, documenting and paying for traffic officers, in the event they are required. Contractor will be reimbursed for payment of traffic officers only after invoices have been paid.
2. City of Providence will deduct from monies due Contractor for the following abnormal and unreasonable expenses:
 - a. Contractor caused delays in the prosecution of Work that results in hiring traffic officers for more hours than would have been required during normal prosecution of work.
 - b. Reconstruction and/or reinstallation of any portions of the Work, as a result of improper initial installation, for which traffic officers are required.
 - c. Traffic officers are required at a site where Contractor is not working or outside of Contractor's standard workday as a result of obstructions to the existing traffic operations that remain in the traveled way.
 - d. All other incidents resulting from Contractor's operations requiring traffic officers that would not normally be encountered during the progress of a well-organized project employing proper construction methods.
 - e. When traffic officers are requested for the convenience of Contractor and are not otherwise considered necessary to the Work.

**SECTION 01550
TRAFFIC REGULATION**

1.2 REFERENCES

- A. U.S. Department of Transportation Federal Highway Administration "2003 Manual on Uniform Traffic Control Devices", as amended.
- B. State of Rhode Island Department of Transportation "Standard Specifications for Road and Bridge Construction, 2004 Edition, Amended March 2018, as amended, and supplemental specifications incidental thereto.

1.3 SUBMITTALS

- A. The Contractor shall submit to the City of Providence and Engineer for approval traffic management plans which define the proposed work zones, signing, pavement markings and traffic control devices that differ from those Drawings included in the Contract Documents for the convenience of the Work.
- B. Shop drawings, sign details, catalog cuts, material certifications for all traffic control devices and signs, including sign sheeting reflectivity information implemented under this section.
- C. Company name and qualifications of the Contractor's traffic control signal vendor.

1.4 TRAFFIC REQUIREMENTS

- A. The Contractor work zones are limited by the issuance of State and City Permits and as described in the Contract Documents.
- B. Temporary Traffic control signs and devices shall be new or the Contractor shall document how the signs and devices meet the minimum retroreflectivity requirements of the Manual on Uniform Traffic Control Devices. Replace signs and devices determined to not meet the shall be removed and replaced at no additional cost to the City of Providence.
- C. Contractor shall arrange construction activity so that the required number of travel lanes are provided during active work periods and no lane closures are provided during the peak periods other than the lane closures associated with the Drawings when a defined Detour Route is in place. The required number of travel lanes are considered the number of travel lanes required by the owner of the facility, including but not limited to the State of Rhode Island, the City of Providence, or as directed by the Engineer, Police or State Police.
- D. The minimum allowable travel lane shall be at least 11' in width.
- E. The Contractor shall always maintain an accessible pedestrian route through the work zone. The Contractor shall provide appropriate signing and traffic control devices to control the flow of pedestrians.
- F. The Contractor shall keep all existing traffic control signals located in the Project Area operational at all times.
- G. During allowable periods, the Contractor may reduce the number of travel lanes in accordance with State and Local approvals and permits to facilitate

**SECTION 01550
TRAFFIC REGULATION**

the Work. Roadway may not be closed at any time except as described herein.

- H. Maintain access to all driveways and roadways at all times during the execution of the Work.
- I. For each work zone and time period, provide a traffic control plan for approval showing traffic control signs, barrels, cones, temporary precast concrete barrier curb, other traffic control devices, and traffic officers in accordance with the Manual on Uniform Traffic Control Devices and as contained herein.
- J. Contractor shall have no claim of delay if he does not notify the Police Department of his scheduled location in time to arrange for traffic officers.

1.5 TRAFFIC OFFICERS

- A. Uniformed traffic officers shall be required at locations deemed necessary by City of Providence, State of Rhode Island, or Engineer, working in conjunction with local Police and Fire Departments, for the protection of the public.
- B. The Police Chief or his representative, in consultation with City of Providence and Engineer, will determine the number of officers required for the work.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.1 CONSTRUCTION METHOD

- A. Determine the location of each day's work and implement the approved traffic control plan. If the plan requires the use of traffic officers, notify the Police Department in a timely manner to ensure that officers are available to meet the Contractor's schedule.
- B. The Contractor shall implement traffic management plans similar to the plans contained herein and as contained in the Manual on Uniform Traffic Control Devices or in accordance with the approved plans during all construction operations within the State of Rhode Island and City of Providence Right of Way. Traffic Management Plans are included for reference only.
- C. All Work required for the implementation and removal of required traffic control pattern is considered included in the cost of traffic regulation.
- D. The Contractor shall remove or cover existing pavement markings that are in conflict with a traffic pattern that will be left in place for more than one week and install temporary pavement markings. The removal of any pavement markings shall be accomplished in a non-destructive manner and in accordance with the reference specifications.
- E. The Contractor shall erect and maintain the signing patterns in accordance with the approved plans and the traffic control plans.

**SECTION 01550
TRAFFIC REGULATION**

- F. Any existing or construction related signs that are in conflict with the active traffic pattern shall be covered or removed, except for Road Work Ahead signs which shall be left in place and visible at all times during the Work.
- G. Following the final paving operations, the Contractor shall install the final pavement markings by the end of the work period. If final pavement markings are not installed, the Contractor shall install temporary pavement markings using Temporary Pavement Marking Tape. Final pavement markings shall be provided in accordance with these Specifications, the reference specifications and the Contract Drawings.

3.2 TRAFFIC CONTROL SIGNAL MODIFICATIONS

- A. At least two weeks prior to the beginning of the implementation of the Allens Avenue detour, the Contractor shall conduct an assessment of all loop detectors and loop detector amplifiers at signalized intersections along the defined detour route to confirm that all loops are operational and actuating the traffic control signal operations in conformance with the traffic signal operation plan. Replace loop detectors and loop detector amplifiers determined to be inoperable.
- B. During the execution of the Work, conditions may arise that require modifications to existing traffic control signal operations. When directed by the City of Providence, Rhode Island Department of Transportation, or the Engineer, the Contractor shall retain the services of an approved traffic control signal vendor to implement traffic control signal timing changes to provide for the safe and efficient flow of traffic through the work area and along detour routes.

3.3 GUIDELINES FOR THE IMPLEMENTATION OF TRAFFIC CONTROL PATTERNS

- A. Traffic Control Patterns:
 - 1. Traffic control patterns shall be used when a work operation requires that all or part of any vehicle or work area protrudes onto any part of a travel lane or shoulder. For each situation, the installation of traffic control devices shall be based on the following:
 - a. Speed and volume of traffic
 - b. Duration of operation
 - c. Exposure to hazards
 - 2. Traffic control patterns shall be uniform, neat and orderly so as to command respect from the motorist.
 - 3. In the case of a horizontal or vertical sight restriction in advance of the work area, the traffic control pattern shall be extended to provide adequate sight distance for approaching traffic.
 - 4. If a lane reduction taper is required to shift traffic, the entire length of the taper should be installed on a tangent section of roadway so that the entire taper area can be seen by the motorist.

**SECTION 01550
TRAFFIC REGULATION**

5. Any existing signs that are in conflict with the traffic control patterns shall be covered so that they are not readable by oncoming traffic.
 6. Although each situation must be dealt with individually, conformity with the typical traffic control plans contained herein is required. In a situation not adequately covered by the typical traffic control plans, the Contractor must contact the Engineer for assistance prior to setting up a traffic control pattern.
- B. Placement of Signs
1. Signs must be placed in such a position to allow motorists the opportunity to reduce their speed prior to the work area. Signs shall be installed on the same side of the roadway as the work area. On multi-lane divided highways, advance warning signs may be installed on both sides of the highway. On directional roadways (on-ramps, off-ramps, one-way roads), where the sight distance to signs is restricted, these signs should be installed on both sides of the roadway.
- C. Allowable Adjustment of Signs and Devices
1. The traffic control plans contained herein show the location and spacing of signs and devices under ideal conditions. Signs and devices should be installed as shown on these plans whenever possible.
 2. The proper application of the traffic control plans and installation of traffic control devices depends on actual field conditions.
 3. Adjustments to the traffic control plans shall be made only at the direction of the Engineer to improve the visibility of the signs and devices and to better control traffic operations. Adjustments to the traffic control plans shall be based on safety of work forces and motorists, abutting property requirements, driveways, side roads, and the vertical and horizontal curvature of the roadway.
 4. The Engineer may require that the traffic control pattern be located significantly in advance of the work area to provide better sight line to the signing and safer traffic operations through the work zone.
 5. Table I indicates the minimum taper length required for a lane closure based on the posted speed limit of the roadway. These taper lengths shall only be used when the recommended taper lengths shown on the traffic control plans cannot be achieved.

TABLE I – MINIMUM TAPER LENGTHS

POSTED SPEED LIMIT MILES PER HOUR	MINIMUM TAPER LENGTH IN FEET FOR A SINGLE LANE CLOSURE
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30 OR LESS	180
35	250
40	320
45	540
50	600
55	660
65	780

3.4 INSTALLING AND REMOVING TRAFFIC CONTROL PATTERNS

- A. Lane Closures shall be installed beginning with the advanced warning signs and proceeding forward toward the work area.
- B. Lane Closures shall be removed in the reverse order, beginning at the work area, or end of the traffic control pattern, and proceeding back toward the advanced warning signs.
- C. Stopping traffic may be allowed:
 - 1. During paving, milling operations, etc. where, in the middle of the operation, it is necessary to flip the pattern to complete the operation on the other half of the roadway and traffic should not travel across the longitudinal joint or difference in roadway elevation.
 - 2. To move slow moving equipment across live traffic lanes into the work area.
- D. The Contractor must adhere to using the proper signs, placing the signs correctly, and ensuring the proper spacing of signs.
- E. Additional devices are required on entrance ramps, exit ramps, and intersecting roads to warn and/or move traffic into the proper travel path prior to merging/exiting with/from the main line traffic. This shall be completed before installing the mainline pattern past the ramp or intersecting roadway.
- F. Prior to installing a pattern, any conflicting existing signs shall be covered with an opaque material. Once the pattern is removed, the existing signs shall be uncovered.
- G. On limited access roadways, workers are prohibited from crossing the travel lanes to install and remove signs or other devices on the opposite side of the roadway. Any signs or devices on the opposite side of the roadway shall be installed and removed separately.

3.5 USE OF CITY POLICE OFFICERS

- A. City Police will be utilized in this contract. At least one Officer should be used per critical sign pattern. Shoulder closures and right lane closures can generally be implemented without the presence of a Police Officer. Likewise in areas with moderate traffic and wide, unobstructed medians, left lane closures can be implemented without Police presence. Certain situations may require Police presence, if one is available, even though the general guidelines above indicate otherwise. Examples of this include: nighttime lane closures; left lane closures with minimal width for setting up advance signs and staging; lane and shoulder closures on turning roadways/ramps or mainline where sight distance is minimal; and closures where extensive turning movements or traffic congestion regularly occur.
- B. Once the pattern is in place, the Police Officer should be positioned in a non- hazardous location at the beginning of the pattern or at one of the

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work areas not protected by a TMA. If traffic backs up beyond the beginning of the pattern, then the Police Officer should be repositioned prior to the backup to give warning to the oncoming motorists. Where Police Officer and TMA are in proximity to each other, the TMA should be placed to protect the Police Officer's vehicle from oncoming traffic.

- C. Other functions of the Police Officer(s) shall include:
 - 1. *Assisting entering/exiting construction vehicles within the work area.
 - 2. *Enhancing worker visibility/safety for workers in close proximity to the open travel lane(s).
 - 3. Speed control of traffic within the work area.
 - 4. Enforcement of speed and other motor vehicle laws within the work area.
- D. Typically, the Police Officer should be out of the vehicle for the functions marked with an asterisk (*).
- E. "Traffic persons assigned to a work site are to only take direction from the Engineer", as specified in the Item entitled "Traffic person".

3.6 USE OF REMOTE CONTROL CHANGEABLE MESSAGE SIGNS

- A. Changeable Message Signs shall be used in advance of the traffic control pattern and as shown on the Drawings.
- B. Changeable Message Sign is typically placed off the right shoulder, 5 feet from the edge of pavement. The advance Changeable Message Sign shall be adequately protected if it is used for a continuous duration of 36 hours or more.
- C. When the Changeable Message Signs are no longer required, they should be removed.
- D. Messages that need to be displayed for long periods of time, such as during stage construction, should be displayed with construction signs. For special signs, please coordinate with the Office of Construction and the Division of Traffic Engineering for the proper layout/dimensions required.

3.7 USE OF TRAFFIC DRUMS AND TRAFFIC CONES

- A. Traffic drums shall be used for taper channelization on limited-access roadways, ramps, and turning roadways and to delineate raised catch basins and other hazards.
- B. Traffic drums shall be used in place of traffic cones in traffic control patterns that are in effect for more than 72-hour duration.
- C. Traffic Cones less than 42 inches in height shall not be used.
- D. Typical spacing of traffic drums and/or cones shown on the Traffic Control Plans in the Contract are maximum spacing and may be reduced to meet actual field conditions as required.

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TRAFFIC REGULATION**

3.8 GENERAL

- A. Failure of the Contractor to have the required minimum number of signs and equipment, which results in the not being installed, shall not be a reason for a time extension.

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NOTES FOR TRAFFIC CONTROL PLANS

1. IF A TRAFFIC STOPPAGE OCCURS IN ADVANCE OF SIGN (A), THEN AN ADDITIONAL SIGN (A) SHALL BE INSTALLED IN ADVANCE OF THE STOPPAGE.
2. SIGNS (AA), (A), AND (D) SHOULD BE OMITTED WHEN THESE SIGNS HAVE ALREADY BEEN INSTALLED IN ADVANCE TO DESIGNATE A LARGER WORK ZONE THAN THE WORK ZONE THAT IS ENCOMPASSED ON THIS PLAN.
3. SEE TABLE 1 FOR ADJUSTMENT OF TAPERS IF NECESSARY.
4. TRAFFIC CONES AND PORTABLE CONSTRUCTION SIGNS SHALL NOT BE LEFT UNATTENDED.
5. ALL CONFLICTING SIGNS WITHIN THE LIMITS OF A ROADWAY / LANE CLOSURE AREA SHALL BE COVERED WITH AN OPAQUE MATERIAL WHILE THE CLOSURE IS IN EFFECT, AND UNCOVERED WHEN THE ROADWAY / LANE CLOSURE IS RE-OPENED TO ALL LANES OF TRAFFIC.
6. IF THIS PLAN REMAINS IN CONTINUOUS OPERATION FOR MORE THAN 48 HOURS, THEN ANY EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE ERADICATED OR COVERED, AND TEMPORARY PAVEMENT MARKINGS THAT DELINEATE THE PROPER TRAVELPATHS SHALL BE INSTALLED.
7. DISTANCES BETWEEN SIGNS IN THE ADVANCE WARNING AREA MAY BE REDUCED TO 100' ON LOW-SPEED URBAN ROADS (SPEED LIMIT ≤ 40 MPH).
8. IF THIS PLAN IS TO REMAIN IN OPERATION FROM SUNSET TO SUNRISE, INSTALL BARRICADE WARNING LIGHTS - HIGH INTENSITY ON ALL POST-MOUNTED DIAMOND SIGNS IN THE ADVANCE WARNING AREA.
9. A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED ONE HALF MILE TO ONE MILE IN ADVANCE OF THE LANE CLOSURE TAPER.
10. SIGN (P) SHALL BE MOUNTED A MINIMUM OF 7 FEET FROM THE PAVEMENT SURFACE TO THE BOTTOM OF THE SIGN.

TABLE 1 - MINIMUM TAPER LENGTHS

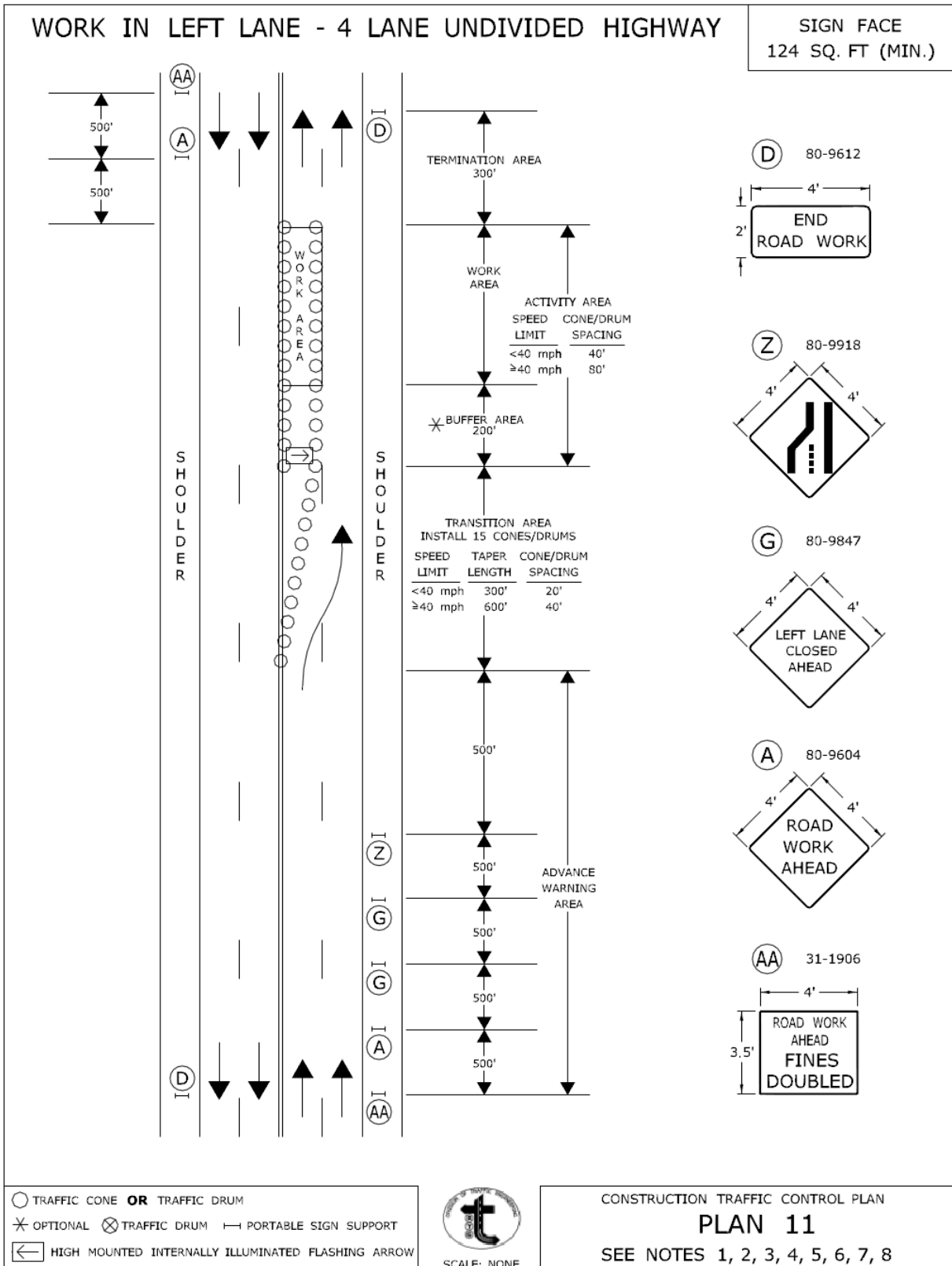
POSTED SPEED LIMIT (MILES PER HOUR)	MINIMUM TAPER LENGTH FOR A SINGLE LANE CLOSURE
30 OR LESS	180'
35	245'
40	320'
45	540'
50	600'
55	660'
65	780'

CONSTRUCTION TRAFFIC CONTROL PLAN

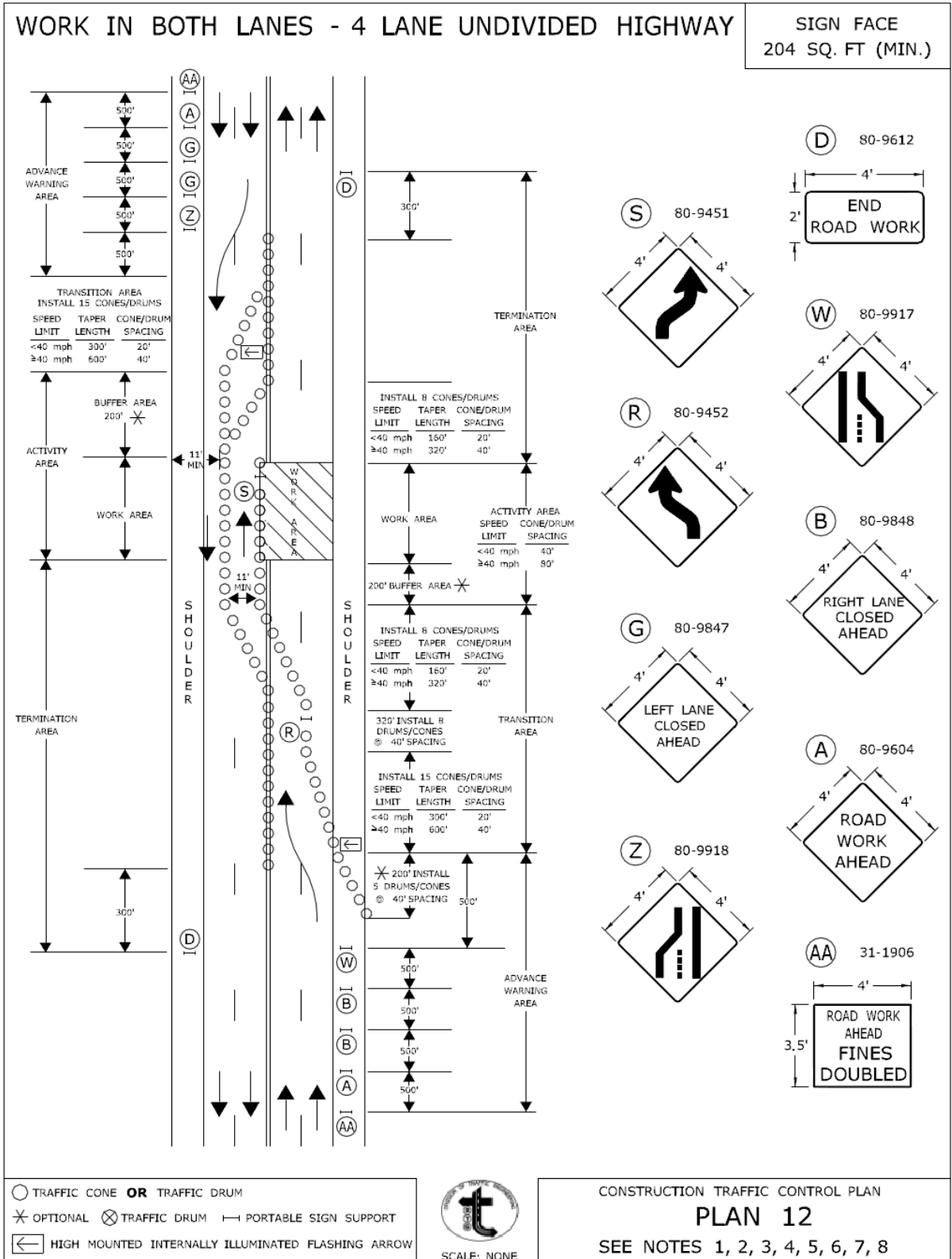
NOTES

SCALE: NONE

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 TRAFFIC REGULATION



**SECTION 01550
TRAFFIC REGULATION**



END OF SECTION

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Pre-Bid Meeting

Wednesday, November 16, 2022

Slide Gate Operator Repair - Fox Point Hurricane Barrier - Allens Avenue
 City of Providence, Rhode Island Department of Public Works

Sign-In List

Contact Name	Company	Address	Phone Number	Email
1. Andrew Morosky	Tighe & Bond	213 Court St Middletown, CT 06457	203 948 2236	amorosky@ tighebond.com
2. Ian Collings	RVD DPW	760 Allens Ave	401 441 9344	icollings@ providence-ri.gov
3. Alex Levey	R. Zoppo Corp	160 Old Maple St Stoughton, MA 02072	781-344-8822	ALEVEY@ ZOPPO.COM
4. Stephen Biszko	Biszko C.C	70 Development St. Fall River, MA 02721	774-263-8241	SBISZKO@ BISZKOCORP.COM
5. Ben Lewesga	Tighe & Bond	300 West Exchange St Providence, RI 02903	774-331-5485	blwesga@ tighebond.com

Pre-Bid Meeting
Wednesday, November 16, 2022

Slide Gate Operator Repair - Fox Point Hurricane Barrier - Allens Avenue
City of Providence, Rhode Island Department of Public Works

Sign-In List

Contact Name	Company	Address	Phone Number	Email
6. Jim RAMOS	HART ENGINEERING CORP.	850 SCENIC VIEW DR. CUMBERLAND RI 02864	401-658-4600	JRAMOS@ HARTCOMPANIES. COM
7. ROGER BIRN	DPW	700 ALLENS AVE PROV. RI, 02905	401-368-4685	rbirn@ providenceri.gov
8.				
9.				
10.				

Slide Gate Operator Repairs – Fox Point Hurricane Barrier - Allens Avenue – Providence, RI City of Providence, RI Department of Public Works

LOCATION: 60 Allens Avenue, Providence (Intersection of Allens Ave. & Henderson St.)

DATE: Wednesday November 16, 2022

START TIME: 9:00 a.m.

1. Safety Moment – Traffic Control is expected to be a very important part of this project.

2. Project Description

a. Vault - Replacement of operators for existing sanitary sewer slide gates:

i. Traffic control

1. Variable Message Sign at north end of project needed two weeks prior to start of construction
2. RIDOT Physical Alteration Permit, TMP review in progress
3. Maintain northbound traffic on Allens Ave. and southbound detour

ii. Proposed vault construction sequence

1. Install new hydraulic lines to vault
2. Reinforce interior walls
3. Sawcut and remove top of vault
4. Install interim operation mechanism after removing one operator
5. Install new precast top of vault
6. Install new operator and connect to existing gate
7. Perform operator replacement on one gate at a time

b. Control House

- i. Demolition of existing hydraulic controls and exterior door
- ii. Install new hydraulic controls
- iii. Install new door and hardware

3. Work Restrictions

a. Work hours 7:00 am to 5:00 pm from Monday to Friday. No work on weekends or Owner holidays without prior approval from Owner

4. Coordination

a. The Rhode Island DOT is coordinating several other projects that are near the project site. There is no anticipated effect on the execution of this project

other than potential for traffic impacts on the detour route from the other projects

5. Health and Safety

- a. Work takes place in a FEMA designated Flood Zone. The Contractor shall comply with the requirements of the Fox Point Hurricane Barrier Coordination Guide
- b. Excavations must be shored or sloped when deeper than 4 feet
- c. 100% tie-off when working above regulated heights beyond the protection of guardrails
- d. Zero-tolerance policy on failure to use fall protection
- e. Provide lighting, ventilation, and other provisions as necessary to provide a safe working environment

6. Contract Time

- a. Substantial Completion will be defined by two milestones:
 - i. May 31, 2023 (applies to vault roof and reopening of Allens Avenue to normal traffic)
 - ii. Actuator installation – 30 weeks following approval of actuator submittal.
- b. Final Completion – June 30, 2023 for roadway re-opening and 34 weeks following approval of actuator submittal.

7. American Rescue Plan Act (ARPA) Project Requirements

- a. This Project is using federal assistance provided to the City of Providence by the U.S. Department of Treasury from the Coronavirus State and Local Fiscal Recovery Fund. Certain terms and conditions will apply to contractors and vendors entering this contract pursuant to ARPA, its applicable regulations, and/or as established by the U.S. Department of Treasury. These terms and conditions can be found in the Contract Addendum section of the project manual

8. Prevailing Wages

- a. This project is subject to RI Prevailing Wage and Davis-Bacon Act Prevailing Wage rates

9. MBE/WBE

- a. Combined goal for MBE/WBE participation is 20%
 - i. MBE participation goal is 10%
 - ii. WBE participation goal is 10%
- b. No bids will be accepted without a MBE/WBE Participation Affidavit

10. Payments

- a. Monthly payments – 5% withheld for retainage until Final Completion
- b. Contractor will receive 100% of retainage upon Final Completion of the project

11. Bid Question Submission Deadline – Wednesday, November 23, 2022 at 12:00 p.m.

12. Bid Document Addenda Issued – Wednesday, November 30, 2022

13. Bid Opening – Monday, December 5, 2022 at 2:15 p.m. (Bids valid for 60 days)

14. Contractor Questions – See Addendum No. 1

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