

CAPITAL SIDEWALK IMPROVEMENT PROGRAM 2021-2022
SUMMARY OF WORK
SECTION 01010

SECTION 01010

SUMMARY OF WORK

PART 1.00 - GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. The work under this Contract includes, but is not limited to the following:
1. Furnish equipment and materials necessary to remove and dispose of the in-place sidewalk materials, grade the subbase, including tree root trimming to the lines and grades shown on the plans.
 2. Furnish and install new concrete sidewalk, handicap ramps and truncated domes, granite curbs, transitions, inlet stones, etc., as indicated.
 3. Reset existing granite curb as specified.
 4. Furnish and install handicap sidewalk access ramps as indicated.
 5. Protect and adjust all utility boxes, manholes, catch basins etc. as necessary.
 6. Install hot mix asphalt sidewalks and patch areas around handicap ramps and curb adjustment.
 7. Place line striping in areas where work resulted in the damage of striping and at newly installed crosswalks. Properly eliminate existing striping to be abandoned.
 8. Provide and maintain traffic control throughout the entire duration of this work in accordance with the traffic management plan, the RIDOT and MUTCD standards.
 9. Perform miscellaneous work and clean up as required to complete the project as shown on the Contract Drawings.
 10. The work locations are as listed in Appendix A.
 11. Contractor shall notify residents 48 hours and 24 hours prior to concrete work which would affect driveway access.

Conditional Work that is not included in this bid but may be added.

- B. Clean up of the area after construction is considered part of the work covered under construction pay items. Unsatisfactory clean up shall be grounds for withholding payment for pay items, as directed by the CITY.
- C. Related Requirements Specified Elsewhere:
 - 1. Temporary Facilities and Controls - Section 01500.
- D. Contractor's Duties:
 - 1. Except as specifically noted, provide and pay for:
 - a. Labor, materials and equipment
 - b. Tools, construction equipment and machinery
 - c. Transportation, supervision and temporary construction including traffic management equipment
 - d. Water, heat and utilities required for construction
 - e. Other facilities and services necessary for proper execution and completion of work
 - f. Obtain and provide bond to RIDOT for work on RIDOT roadways
 - 2. CITY is exempt from sales tax on products permanently incorporated in work.
 - a. Perform all administrative functions required by law in conjunction with use of the CITY's tax exempt blanket certificate.
 - b. Pay legally assessed penalties for improper use of exemption certificate.
 - 3. Secure and pay for, as necessary for proper execution and completion of work, and as applicable at any time of receipt of bids:
 - a. Permits (RIDOT, RICRMC and RIDEM Permits)
 - b. Government Fees

- c. Licenses
- 4. Give required notices and provide the CITY with the DIGSAFE number for work under this contract.
- 5. Comply with Local, State and Federal codes, ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of work.
- 6. CONTRACTOR shall be responsible for compliance with all pertinent OSHA regulations and ADA requirements.
- 7. Promptly submit written notice to CITY of observed variance of CONTRACT DOCUMENTS from legal requirements. It is not the CONTRACTOR's responsibility to make certain that drawings and specifications comply with codes and regulations.
 - a. Appropriate Modifications to Contract Documents will adjust changes.
 - b. CONTRACTOR shall assume responsibility for notifying CITY concerning work known to be contrary to such requirements.
- 8. Enforce strict discipline and good order among employees. Do not employ on work:
 - a. Unfit persons
 - b. Persons not skilled in assigned task.
- 9. No valve or other control on the City's water system shall be operated for any purpose by the CONTRACTOR. The Distribution and Collection Division (435-7741) will operate all valves, hydrants, blow-offs and curb stops.
- 10. CONTRACTOR shall lay out all the contract work and be responsible for the accuracy of all lines, grades and measurements.

1.02 - CONTRACT

- A. Construct work under unit price contract, for both the city wide work, including work on RIDOT roads.

- B. Pursuant to the provisions of Title 37 Chapter 14.1 of the General Laws of Rhode Island, the State reserves the right to apply additional considerations to ensure that Minority Business Enterprises (MBE) as defined therein have the maximum opportunity to compete for and perform contracts and subcontracts under this agreement. The City and its contractors shall not discriminate on the basis of race, color, national origin or sex in the award and performance of work under this agreement.
- C. CONTRACTOR to begin work within ten (10) days after the date of the NOTICE TO PROCEED and shall complete the work by November 18, 2022.

1.03 - CONTRACTOR USE OF PREMISES

- A. Confine operations at site to areas permitted by:
 - 1. Law
 - 2. Ordinances
 - 3. Permits
 - 4. Contract Documents
- B. Do not unreasonably encumber site with materials or equipment.
- C. Assume full responsibility for protection and safekeeping of products stored on premises.
- D. Move any stored products which interfere with operations of CITY and other Contractors.
- E. Obtain and pay use of additional storage or work areas needed for operations.
- F. Remove all surplus material, temporary structures and debris resulting from the work and put the site in a neat, orderly condition before final payment.

END OF SECTION

CAPITAL SIDEWALK IMPROVEMENT PROGRAM 2021-2022
MEASUREMENT AND PAYMENT
SECTION 01150

SECTION 01150

MEASUREMENT AND PAYMENT

PART 1.00 - GENERAL

1.01 PAYMENT GENERAL

- A. Payment of the price set forth in the proposal is deemed to be full compensation for all materials, labor, tools, equipment and incidentals necessary to perform the work.
- B. It is the intention of these specifications and associated contract drawings to call attention to certain project features. Any related miscellaneous or incidental work not specified but obviously necessary to adequately complete the work shall be included within the following items.

1.02 CONCRETE SIDEWALKS (ITEM 1 AND 2)

A. Measurement

- 1. Measurement for concrete sidewalks shall be the actual square yards of concrete complete in place in the accepted work.

B. Payment

- 1. Payment for concrete sidewalks shall be made for the quantity price per square yard in the proposal. Payment shall be full compensation for saw cutting, excavation, removal and disposal of existing materials, trimming of tree roots, gravel base, forms, reinforcing mesh, furnishing and placing concrete, joint materials, joint sealer, asphalt, asphalt handwork at driveways and all incidentals required to satisfactorily complete the installation of concrete sidewalks including all traffic management as described within the Traffic Management Plan (TMP).
- 2. Full compensation for raising and adjusting all utility structures, placement of asphalt as needed to match sidewalks to driveway aprons and gutter, and loaming and seeding where existing ground was disturbed, shall be included in the cost per square yard of concrete.

1.03 HANDICAP SIDEWALK ACCESS RAMP (ITEM 3a & 3b)

A. MEASUREMENT

1. Handicap sidewalk access ramps shall be measured by the actual number constructed.

B. PAYMENT

1. Handicap Sidewalk Access Ramps shall be paid for at the contract unit price. Such price shall constitute full compensation for concrete/curb removal, curb resetting, saw cutting, sawcut existing curb, excavation, removal of curb lock from the curb as well as within the trench, concrete (bituminous and/or portland cement) and curb (including transition) placement, installation of truncated domes and all labor, tools, equipment and incidentals including placement of asphalt and loam and seeding of disturbed grass areas as necessary to complete the work to the satisfaction of the City Engineer and in compliance with ADA requirements.

1.04 RESETTING EXISTING CURB (ITEM 4a and 4b, 7)

A. Measurement and Payment

1. Remove and Set curbing will be measured by the linear foot along the front face of the section at the finished grade elevation that has been removed and relocated to a different location, including the delivery and storage of curbing. The accepted quantities of curbing removed and set will be paid for at the contract unit price per linear foot for granite curbing removed, curb lock removal from both the curb as well as the trench, loaded, stored, delivered to new location, unloaded and set in place and accepted. The quantity of returns to be paid for will be the actual number of returns reset.
2. Reset curbing will be measured by the linear foot along the front face of the section at the finished grade elevation. The accepted quantities of reset curbing will be paid for at the contract unit price per linear foot for granite curbing reset in place and accepted. The quantity of returns to be paid for will be the actual number of returns reset.
3. This price shall constitute full compensation for removing and resetting granite curbing as indicated, including any saw cutting, removal and disposal of curb lock cement both on the curb as well as within the trench, removal and disposal of unsuitable material and backfilling and compacting suitable

materials if required, repair and replace disturbed asphalt and grass areas, repair and cleanup of area where curb is to be reset and any equipment and incidentals necessary to complete the work as shown on the Contract Drawings and specified herein to the satisfaction of the CITY.

4. Reset curbing for the construction of the handicap access ramps shall not be paid under this item.

1.05 CURB WORK (ITEMS 5, 6a, 6b, and 11, 12, 13)

A. Measurement

1. Furnish and Install (Items 5, 6a, 6b and 11, 12, 13)

- a. The quantity of curbing to be paid for will be the amount in linear feet actually placed as measured along the top of the exposed face of the curbing including temporary and permanent hot mix asphalt patch.
- b. The quantity of curb returns to be paid for will be the number of returns installed.
- c. 8 and 10 foot radius curb shall be supplied in lengths conforming to City detail.

B. Payment

1. Payment will be made at the unit prices indicated in the bid proposal. No additional payments will be made for excavation, removal and disposal of unsuitable materials, grading and compacting, backfilling, sawcutting existing bituminous pavement, cutting and trimming as necessary, gravel borrow subbase course, placement of temporary and permanent asphalt pavement, cleaning up, etc. or any incidentals needed for completing the work as set forth herein, in the plans and specifications except as noted in the proposal.

1.06 Pavement Markings (Item 8)

A. Measurement

1. Installation of Pavement Markings (white, yellow or black) shall be on a linear foot basis, one-foot wide in place including all preparatory work.

B. Payment

1. Payment will be made at the unit prices indicated in the bid proposal. No additional payments will be made for removal of existing pavement markings that are to be removed physically by scarifying the surface, street sweeping/cleaning, police protection, or any other preparatory work.

1.07 POLICE DETAIL (ITEM 9)

A. Measurement

1. Police details, Item 9, shall be measured on the basis of hours worked.

B. Payment

1. Payment for police traffic control shall be paid in accordance with RIGL 37-12-10.
2. The CONTRACTOR shall be responsible for scheduling municipal police officers for traffic control purposes through the East Providence Police Department. If traffic control assignments are canceled without twenty-four (24) hours notice, the CONTRACTOR is responsible to pay the CITY for the hours police officers would have worked.
3. The CITY shall pay the Police Department directly based on police services invoice itemizing the dates and hours worked.

1.08 BITUMINOUS CONCRETE PAVING (ITEM 10)

A. Measurement:

1. Measurement for payment of removing and disposing of existing 3-inches of bituminous concrete, fine grading and furnishing and installing Bituminous binder (1.5 inches) and surface course (1.5 inches), ITEM 10, shall be the actual square yards of mixture complete in place in the accepted work. Pavement widths shall match existing unless otherwise described or as shown on the drawing.

B. Payment:

1. Payment for Bituminous Concrete Surface Coarse, ITEM 10 as well as surface preparation shall be made on a per square yard basis at the price per square yard for ITEM 10 in the proposal, which price and payment shall be full compensation for labor, materials, equipment required to complete the work as specified. Payment shall also include raising as necessary road boxes, manholes and grates, etc., saw cutting pavement at match points to maintain existing gutter elevations

after bituminous concrete installation, grading and compacting road base, providing a leveling coarse if necessary, sweeping and cleaning.

2. Payment for Trench Pavement associated with curb reset or new installation will not be paid for under this item. This cost shall be included in the curb resetting and/or new curb installation items in the bid.

1.09 WORK BEYOND SCOPE OF CONTRACT

A. Measurement and Payment

1. Necessary work outside the scope of this contract shall be undertaken only after submittal and approval of a change order request. Payment for work completed as part of any change order shall conform to the following.
 - a. **LABOR** including foreman, not including superintendent, to include all insurance and fringe benefits such as social security, pension, unemployment, etc.
 - b. **COST OF MATERIALS** entering permanently into the work. All invoices must be submitted to the City.
 - c. **THE RENTAL COSTS** of all construction plant and equipment used in performing this work. Blue Book rates will be used.
 - d. **POWER AND CONSUMABLE SUPPLIES** for the operation of power equipment.
2. The CONTRACTOR may charge an additional 15% to the sum of labor and material costs to cover all supervision costs, overhead, bond, profit, and other general expenses.

END OF SECTION

CAPITAL SIDEWALK IMPROVEMENT PROGRAM 2021-2022
TEMPORARY FACILITIES AND CONTROLS
SECTION 01500

SECTION 01500

TEMPORARY FACILITIES AND CONTROLS

PART 1.00 - GENERAL

1.01 DESCRIPTION

A. Related Work Described Elsewhere:

1. Summary of Work - Section 01010
2. Measurement and Payment - Section 01150

1.02 TEMPORARY UTILITIES

A. Light, Electricity and Telephone:

Furnish and install all necessary temporary water piping and wiring required to facilitate performance and completion of the work and remove all such temporary piping and wiring upon completion of the work. Pay all costs for providing and removing temporary utilities.

B. Sanitary Facilities:

1. Furnish and install sanitary conveniences for the use of all persons employed on the work, properly screened from public observation. Provide facilities in sufficient numbers in such manner and at such points as shall be approved. The contents shall be removed and disposed of in a satisfactory manner as the occasion requires. The CONTRACTOR shall vigorously prohibit the committance of nuisances within, on, or about the work. Any employees found violating these provisions shall be discharged and not again employed on the work without the written consent of the CITY.
2. The CONTRACTOR shall supply sufficient drinking water from approved sources to all of his employees.
3. The sanitary conveniences specified above shall be the obligation and responsibility of the CONTRACTOR until the completion of the work. The facilities shall be made available to all subcontractors and their employees.

C. Water for Construction Purposes:

1. The express approval of the Distribution and Collection Superintendent shall be obtained before water is used. Waste of water by the CONTRACTOR shall be sufficient cause for withdrawing the privilege of use. Hydrants shall only be operated under the supervision of Distribution and Collection Division personnel (435-7741).

All water used shall be metered and reported to the CITY for record keeping purposes.

1.03 GUARDRAIL AND BARRICADES

- A. All open excavations shall be adequately safeguarded by providing temporary barricades, caution and advanced warning signs, lights and other means to prevent accidents to persons and damage to property. The CONTRACTOR shall, at their own expense, provide suitable and safe bridges and other crossings for accommodating travel by pedestrians and workmen.
- B. The CONTRACTOR shall take precautions to prevent injury to the public due to open trenches. All excavated material, equipment, or other obstacles which could be dangerous to the public shall be well lighted at night.
- C. The CONTRACTOR shall not open or excavate any street, way, or public or private place until contact has been made with all utilities to locate any existing underground gas, water, telephone, power or other installations.

1.04 PROTECTION OF WORK AND PROPERTY

- A. The CONTRACTOR shall be responsible for the preservation of all public and private property, and shall use every precaution necessary to prevent damage thereto. If any direct or indirect damage is done to public or private property by or on account of any act of, omission, neglect, or misconduct in the execution of the work on the part of the CONTRACTOR, the CONTRACTOR shall restore said damage, at their expense, to a condition similar or equal to that existing before the damage was done and at least meeting the Specifications contained herein.
- B. Along the location of this work all fences, mail boxes, walks, bushes, trees, shrubbery and other physical features shall be protected and restored in a thoroughly workmanlike

TEMPORARY FACILITIES AND CONTROLS
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manner. Fences and other features removed by the CONTRACTOR shall be replaced in their original location. All grass areas beyond the limits of construction which have been damaged by the CONTRACTOR shall be regraded and seeded.

- C. The protection, removal and replacement of existing physical features along the line of work shall be a part of the work under the contract, and all costs in connection therewith shall be included in the unit and/or lump sum prices established under the Items in the proposal.

1.05 PROTECTION OF EXISTING STRUCTURES AND UTILITIES

- A. The CONTRACTOR shall assume responsibility for the protection of all buildings, structures and utilities, public or private, including trees, poles, signs, services to buildings, water pipes, hydrants, sewers, drains and electric and telephone cables, whether or not they are shown on the drawings. The CONTRACTOR shall carefully support and protect all such structures and utilities from injury of any kind. Any damage resulting from the CONTRACTOR's operations shall be repaired by them at their expense.
- B. Protection and temporary removal and replacement of existing utilities and structures as described in this Section shall be a part of the work under this contract and all costs in connection therewith shall be included in the price established in the proposal.
- C. The CONTRACTOR, however, shall bear full responsibility for obtaining all locations of underground structures and utilities (including existing water services, drain lines and sewers). Services to buildings shall be maintained and any costs or charges resulting from damage thereto shall be paid for by the CONTRACTOR.
- D. If, in the opinion of the CITY, permanent relocation of the utility owned by the CITY is required, the CITY may direct the CONTRACTOR in writing, to perform the work. Work so ordered will be paid for at the Contract unit prices, if applicable, or as extra work under Article 18 of the General Conditions. If relocation of a privately owned utility is required, the CITY will notify the utility to perform the work as expeditiously as possible. The CONTRACTOR shall fully cooperate with the CITY and utility, and shall have no claim for delay due to such relocation. The CONTRACTOR shall notify public utility companies in

writing at least 48 hours (excluding Saturdays, Sundays and legal holidays) before excavating in any public way.

1.06 MAINTENANCE OF FLOW

The CONTRACTOR shall at their own cost, provide for the flow of sewers, drains and water courses interrupted during the progress of the work, and shall immediately cart away and remove all offensive matter. The entire procedure of maintaining existing flow shall be fully discussed with the CITY well in advance of the interruption of the flow.

1.07 EROSION CONTROL

The CONTRACTOR shall take all necessary precautions to prevent and control erosion and to construct sediment basins, diversion ditches or such other construction to satisfactorily accommodate runoff from any area subject to erosion during the construction of this project. All such precautionary measures including but not necessarily limited to construction of sediment basins, diversion ditches, beaches and berms or laying fiber matting on slopes until vegetation is established, shall be at no extra cost to the CITY.

1.08 DUST CONTROL

The CONTRACTOR shall take all necessary precautions at all times to prevent and control dust. In addition, daily dust control shall be performed as directed by the CITY to control dust at the close of workday operations. Specifically, all traveled ways shall be swept thoroughly, and calcium chloride spread to prevent dust from being a nuisance to the general public.

1.09 DETOURS

- A. Unless permission to close the street is received in writing from the proper authority, all excavated material shall be placed so that vehicular and pedestrian traffic may be maintained at all times. If the CONTRACTOR's operations cause traffic hazards, they shall repair the road surface, provide temporary ways, erect wheel guards or fences, or take other measures for safety satisfactory to the CITY.
- B. The local Fire Department and Police Department shall be notified in advance of any and all detours being implemented.
- C. Detours around construction shall be subject to the approval of RIDOT and the CITY. Where detours are permitted the

CONTRACTOR shall provide all necessary barricades, signs and warning devices as required to divert the flow of traffic. While traffic is detoured the CONTRACTOR shall expedite construction operations and periods when traffic is being detoured shall be strictly controlled by the CITY.

- D. The CONTRACTOR shall be responsible to set-up, break-down and maintain all Traffic Management Practices as described within the Traffic Maintenance Plan.

END OF SECTION

CAPITAL SIDEWALK IMPROVEMENT PROGRAM 2021-2022
TRAFFIC CONTROL
SECTION 01570

SECTION 01570

TRAFFIC CONTROL

PART 1.00 GENERAL

1.01 DESCRIPTION OF WORK

- A. The CONTRACTOR shall keep the roadway under construction open to traffic for the full length of the project and shall provide a sufficient number of travel lanes and pedestrian passway to move that traffic ordinarily using the roadway. The travel lanes and pedestrian passway shall be drained and kept reasonably smooth, clean and in suitable condition at all times in order to provide minimum interference to traffic consistent with the proper execution of the work.
- B. The CONTRACTOR shall follow the approved Traffic Management Plan when working on Pawtucket Avenue or any other roadway controlled by RIDOT. Only one lane shall be closed at any given time and work shall take place only within each block.
- C. The contractor shall notify residents 48 hours and again within 24 hours as to when the driveway apron will be poured such that the residents can park their cars on adjacent roadways. Other than driveway apron pours, residents shall have safe, smooth access to their driveway at the end of each day.
- D. Related Requirements Specified Elsewhere:
 - 1. Temporary Facilities and Controls - Section 01500.

PART 2.00 PRODUCTS

2.01 MATERIALS

- A. All the materials provided to be utilized as traffic control devices shall conform to the requirements of the Manual on Uniform Traffic Control Devices and the Rhode Island Department of Transportation.

PART 3.00 EXECUTION

- A. The CONTRACTOR is placed on notice that the maintenance and protection of traffic over this roadway during construction period is considered as important and necessary an item of work as is the actual construction itself. The CONTRACTOR shall at all times conduct their operation in a manner to

insure the safety of not only the motorist but also the pedestrian and their own employees.

- B. Suitable ingress and egress shall be provided at all times where required, for all intersecting roads and for all abutting properties having legal access.
- C. The CONTRACTOR shall furnish all signs, barricades, traffic cones, traffic delineators, pavement markings and warning devices necessary to forewarn, safeguard, and guide the traveling public through the construction area.
- D. The CONTRACTOR shall erect, maintain, wash, move, adjust, replace, relocate, re-erect and store these signs, barricades, traffic cones, delineators and warning devices when, where and as directed by the CITY.
- E. All signs, barricades, traffic cones, traffic delineators and warning devices shall conform to the "Manual of Uniform Traffic Control Devices."
- F. All signs and markers shall indicate actual conditions existing and shall be moved, removed or changed immediately, as conditions require.
- G. The CONTRACTOR shall provide Police Officers as may be deemed necessary by the Chief of Police for the direction and control of vehicular traffic and pedestrians within the limits of the project and such Officers shall wear regulation Police uniforms and should be regular, reserve or special officers.
- H. If the CONTRACTOR fails to maintain and protect traffic adequately and safely by means of traffic control devices and/or traffic Officers for a period of 24 hours, the CITY may correct the adverse condition by the use of Police Officers, augmented if necessary by such other equipment and personnel as it may be necessary to hire, and the entire cost of this work by such forces shall be deducted from any monies due to the CONTRACTOR on this contract.
- I. It shall be the responsibility of the CONTRACTOR to post temporary "No Parking" signs 24 hours in advance of any work. The CITY will be responsible for closing and opening the road to traffic. The CONTRACTOR shall notify the CITY at least 48 hours in advance of any proposed work.
- J. Proposed Detours shall be coordinated with the RIDOT and the CITY.

END OF SECTION