



City of Quincy, Massachusetts
Purchasing Department
1305 Hancock Street
Quincy, MA 02169

Phone: 376-1060
Fax: 376-1074

ADDENDUM NUMBER 1

RE: BIDS-DUE : APRIL 25, 2013 @ 11:00 a.m.

BID TITLE: EDGEWATER DRIVE SEAWALL REPAIR PROJECT

PLEASE NOTE :

Addendum Number 1 includes the following documents:

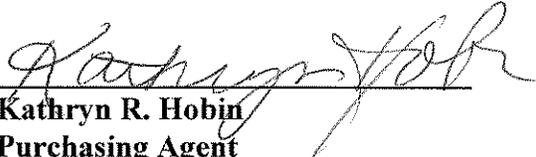
- Meeting Summary for pre-bid walk thru on 4/3/13;
- Section 02315 Excavation, Backfill, Compaction, and Dewatering, revised 04/05/13;
- Section 00410 Bid Form, revised 04/05/13.

THE DATE OF THIS OPENING HAS BEEN CHANGED FROM: APRIL 17, 2013 @ 11:00 A.M.

THE NEW OPENING DATE IS: APRIL 25, 2013 @ 11:00 A.M.

Thank you.

PLEASE SIGN THIS SHEET AND ATTACH IT TO YOUR BID, AS IT IS NOW A PART OF THE BID. "ADDENDUM MUST BE SIGNED OR BID WILL NOT BE ACCEPTED."


Kathryn R. Hobin
Purchasing Agent

Date: _____

Bidder's Signature: _____

Proposed Edgewater Drive Seawall Rehabilitation Project

To: Kathryn Hobin, Purchasing Agent

CC: Kim Trillcott, Assistant Contract Supervisor

ATTENDEES: Kenneth Mavrogeorge, Tighe & Bond
Shawn Hardy, City Engineer
Mark Richardson, ET&L Corp
Paul Scally, R. Zoppo Corp.
Mark Henderson, CRC Co, Inc.
Warren Benner, BTT Marine Construction

FROM: Kenneth Mavrogeorge

DATE: April 5, 2013

On April 3, 2013 a non-mandatory pre-bid walk-thru meeting was held along the Edgewater Drive Seawall in Quincy, MA. The meeting commenced at 10:00 AM. The following is a summary of this meeting.

Ken Mavrogeorge of Tighe & Bond and Shawn Hardy the City Engineer, who represented the City, gave a brief overview of the Proposed Edgewater Drive Seawall Rehabilitation Project. Mr. Hardy stated that whatever contractor wins the bid, shall remove all equipment from the Edgewater Drive area from July 3rd thru July 7th. Mr. Hardy stated that the DPW Yard on Sea Street would be available to the contractor for the storing of equipment during the July holiday break. Mr. Hardy also stated that the funds for this project are secured and allocated specifically for this project.

The bidders were then invited to ask questions.

The questions are summarized below:

Q: Are the existing timber piles on the beach to remain?

A: Yes. The existing timber piles shall remain.

Q: Will concrete be added beneath the stairs?

A: No. Additional concrete shall not be added beneath the existing concrete stairways.

Q: Is the existing concrete toe repair from STA 16+00 to STA 19+00 to remain?

A: Yes. Refer to Sheet 15 for typical section details.

Q: Shall the existing precast concrete seawall units be reset over the granite seawall?

A: Yes. The precast concrete seawall units from STA 11+00 to STA 16+00 shall be removed and reset so that the top of unit elevation is level with the surrounding blocks. The elevation tolerances are stated under general note 43 on sheet 2 of 23. Precast concrete units that have settled shall be reset so that the top of unit elevation matches the pre-settlement elevations within the allowed tolerance. Pre-settlement elevations shall be determined by the elevations of the stairway landings areas at STA 11+00 and STA 16+00.

Q: Shall the pointing of the granite wall be compensated by linear foot?

A: No. Due to the ever changing condition of the granite seawall, all repairs associated with the granite seawall shall be bid as a lump sum as stated in the bid form. See the attached photographs of the granite seawall taken on April 3, 2013 for the current state of the granite seawall.

Q: Will there be access to privately owned property from STA 0+00 to STA 4+15?

A: Yes. Discussions regarding temporary access and construction easements are currently being conducted between City staff and abutters. An addendum will be issued at a later date prior to the bid opening with more information on these temporary easements.

Q: Will the privately owned concrete at STA 2+25 be removed?

A: Yes. The concrete wall at STA 2+25 shall be removed as shown on the Drawings. An addendum will be issued at a later date prior to the bid opening with more information on temporary easements obtained and the work to be performed within the boundaries of the temporary easements.

Q: Will the white fence at STA 2+50 be replaced by the contractor?

A: No. The contractor shall not be responsible for replacing the white fence at STA 2+50 as it has been damaged by a winter storm event. An addendum will be issued at a later date prior to the bid opening with more information on temporary easements obtained and the work to be performed within the boundaries of the temporary easements.

Q: Are construction vehicles allowed on the beach within the work limits?

A: Construction vehicles are only allowed on the seaward side of the seawall within the work limits shown on the plans and in accordance with all permits.

Q: Will the landscaping be replaced by the contractor?

A: The areas called out as temporary construction laydown and staging areas shall be restored as shown on the Drawings upon the completion of construction.

Q: Should the joints between the precast concrete seawall units be filled?

A: No. The joints between the precast seawall units shall remain open. Refer to detail 2 on sheet 17 of 23.

Q: Is the existing curb along the sidewalk from STA 4+15 to STA 16+00 to be removed?

A: Yes. All curbing along the "existing sidewalk to be replaced", shall be removed and reset.

Q: Will the interface between the stairs and seawall be grouted?

A: Yes. All joints between the stairways and the seawalls shall be grouted.

Q: Will flowable fill be reimbursed by the cubic yard?

A: No. Flowable fill or controlled density fill (CDF), is not specified for this project. Contractor shall refer to Sheet 15 for details for backfill material. Section 02315 has been revised to remove references to controlled density fill. See the revised Section 02315 in Addendum 1.

Q: Will new stone be paid by the ton rather than by the cubic yard?

A: Yes, new stone will be paid by the ton. The Bid Form has been revised accordingly. See the revised Section 00410 in Addendum 1.

Q: Will existing stone to be removed and reset be paid by the cubic yard or by the ton?

A: Existing stone to be removed and reset shall be bid as a lump sum. All surplus existing stone not reset shall remain the property of the City of Quincy. See the revised Section 00410 in Addendum 1.

Note: Item 3 on the bid tab has also been revised. See the revised Section 00410 in Addendum 1.



Existing Granite Seawall Existing Conditions - April 3, 2013



Existing Granite Seawall Existing Conditions – April 3, 2013



Existing Granite Seawall Existing Conditions - April 3, 2013



Existing Granite Seawall Existing Conditions – April 3, 2013

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SECTION 02315

EXCAVATION, BACKFILL, COMPACTION, AND DEWATERING

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. Excavation, backfill and compaction for sidewalks and seawalls
- B. Related Sections
 - 1. Section 01570, Temporary Controls
 - 2. Section 02210, Subsurface Investigations
 - 3. Section 02320, Borrow Materials
 - 4. Section 02700 - Paving, Curbs, and Walks

1.2 REFERENCES

- A. ASTM D1557-07 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³))
- B. ASTM D1556-07 - Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
- C. ASTM D2487-06e1 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
- D. ASTM D6938-08a - Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
- E. 29 CFR Part 1926 Subpart P - OSHA Excavation Regulations 1926.650 through 1926.652 including Appendices A through F
- F. 520 CMR 14.00 Excavation and Trench Safety
- G. 780 CMR 1705.0 Requirements for Structural Tests and Inspections

1.3 DEFINITIONS

- A. Benching - A method of protecting employees from cave-ins by excavating the sides of an excavation to form one or a series of horizontal levels or steps, usually with vertical or near-vertical surfaces between levels.
- B. Earth Retention Systems - Any structural system, such as sheeting and bracing or cofferdams, designed to retain in-situ soils in place and prevent the collapse of the sides of an excavation in order to protect employees and adjacent structures.
- C. Excavation - Any man-made cut, cavity, trench, or depression in an earth surface, formed by earth removal.

- D. Protective System - A method of protecting employees from cave-ins, from material that could fall or roll from an excavation face or into an excavation, or from the collapse of adjacent structures. Protective systems include earth retention systems, sloping and benching systems, shield systems, and other systems that provide the necessary protection.
- E. Registered Professional Engineer - A person who is registered as a professional engineer in the state where the work is to be performed. However, a professional engineer, registered in any state is deemed to be a "registered professional engineer" within the meaning of this standard when approving designs for "manufactured protective systems" or "tabulated data" to be used in interstate commerce.
- F. Shield System - A structure that is designed to withstand the forces imposed on it by a cave-in and thereby protects employees within the structure. Shields can be permanent structures or can be designed to be portable and moved along as work progresses. Additionally, shields can be either pre-manufactured or job-built in accordance with 29 CFR 1926.652(c)(3) or (c)(4). Shields used in trenches are usually referred to as "trench boxes" or "trench shields."
- G. Sloping - A method of protecting employees from cave-ins by excavating to form sides of an excavation that are inclined away from the excavation so as to prevent cave-ins. The angle of incline required to prevent a cave-in varies with differences in such factors as the soil type, environmental conditions of exposure, and application of surcharge loads.
- H. Temporary Dewatering System - A system to lower and control water to maintain stable, undisturbed subgrades at the lowest excavation levels. Dewatering shall be provided for all pipelines, structures and for all other miscellaneous excavations.
- I. Trench - A narrow excavation (in relation to its length) made below the surface of the ground, of at least three feet in depth. In general, the depth is greater than the width, but the width of a trench (measured at the bottom) is not greater than 15 feet (4.6 m).

1.4 SUBMITTALS

- A. Modified Proctor Test (ASTM D1557) results and soil classification (ASTM D2487) for all proposed backfill materials at the frequency specified below:
 - 1. For suitable soil materials removed during Excavation, perform one test for every 1,000 cubic yards of similar soil type. Similarity of soil types will be as determined by the Engineer.
 - 2. For borrow materials; perform tests at frequency specified in Section 02320, Borrow Materials.
- B. Compaction test results (i.e. ASTM D6938 or ASTM D1556) at a frequency of one test for every 100 cubic yards of material backfilled or at a minimum of one test per lift. The Engineer will determine the locations and lifts to be tested.
 - 1. Additional compaction testing may be required when there is evidence of a change in the quality of moisture control or the effectiveness of compaction.

2. If all compaction test results within the initial 25% of the total anticipated number of tests indicate compacted field densities equal to or greater than the project requirements, the Engineer may reduce frequency of compaction testing. In no case will the frequency be reduced to less than one test for every 500 cubic yards of material backfilled.
3. The Contractor is cautioned that compaction testing by nuclear methods may not be effective where trenches are so narrow that trench walls impact the attenuation of the gamma radiation, when adjacent to concrete that impacts the accuracy of determining moisture content, or where oversize particles (i.e. large cobbles or coarse gravels) are present. In these cases, other field

C. Dewatering plan for the excavation locations.

1.5 QUALITY ASSURANCE

- A. The following test procedures will be performed by the Owner's inspection agency. Results will be submitted to the Engineer for review.
 1. Modified Proctor Test (ASTM D1557) results and soil classification (ASTM D2487) for all proposed backfill materials at the frequency specified below:
 - a. For suitable soil materials removed during excavation, perform one test for every 1,000 cubic yards of similar soil type. Similarity of soil types will be as determined by the Engineer.
 - b. For borrow materials; perform tests at frequency specified in Section 02320 - Borrow Materials.
 2. Compaction test results (i.e. ASTM D6938 or ASTM D1556) at a frequency of one test for every 100 cubic yards of material backfilled. The Engineer will determine the locations and lifts to be tested.
 - a. The Engineer may specify additional compaction testing when there is evidence of a change in the quality of moisture control or the effectiveness of compaction.
 - b. If all compaction test results within the initial 25% of the total anticipated number of tests indicate compacted field densities equal to or greater than 95% of maximum dry density at optimum moisture content, the Engineer may reduce frequency of compaction testing. In no case will the frequency be reduced to less than one test for every 500 cubic yards of material backfilled.
 - c. The Contractor is cautioned that compaction testing by nuclear methods may not be effective where excavation sidewalls impact the attenuation of the gamma radiation or where oversize particles (i.e. large cobbles or coarse gravels) are present. In these cases, other field density testing methods may be required.

1.6 PROJECT CONDITIONS

- A. Notify Dig Safe and obtain Dig Safe identification numbers.
- B. Notify utility owners in reasonable advance of the work and request the utility owner to stake out on the ground surface the underground facilities and structures. Notify the Engineer in writing of any refusal or failure to stake out such underground utilities after reasonable notice.
- C. In accordance with 520 CMR 14.00, no person shall, except in an emergency, make an excavation in any public way, public property, or privately owned land until a permit is obtained from the appropriate designated permitting authority.

PART 2 PRODUCTS

2.1 SOIL MATERIALS

- A. Rock and fill material is subject to the approval of the Engineer and may be either material removed from excavations or borrow from off site. Fill material, whether from the excavations or from borrow, shall be of such nature that after it has been placed and properly compacted, it will make a dense, stable fill.
- B. Satisfactory fill materials shall include materials classified by ASTM D 2487 as GW, GP, GM, GP-GM, GW-GM, GC, GP-GC, SW, and SP.
- C. Satisfactory fill materials shall not contain trash, refuse, vegetation, masses of roots, individual roots more than 18 inches long or more than 1/2 inch in diameter, or stones over 6 inches in diameter. Unless otherwise stated in the Contract Documents, organic matter shall not exceed minor quantities and shall be well distributed.
- D. Satisfactory fill materials shall not contain frozen materials nor shall backfill be placed on frozen material.
- E. Excavated surface and/or pavement materials such as gravel or trap rock that are salvaged may be used as a sub-grade material, if processed to the required gradation and compacted to the required degree of compaction. In no case shall salvaged materials be substituted for the required gravel base.

2.2 GEOTEXTILE

- A. Geotextile shall be a black non-woven geotextile having a minimum weight of 16 oz per sq. yard (ASTM D5261), such as PROPEX GEOTEX 1601 or equal meeting the following GAI-LAP MARV at a 97% confidence level:

MINIMUM PHYSICAL REQUIREMENTS FOR BACKFILL GEOTEXTILE

PROPERTY	UNITS	ACCEPTABLE VALUES	TEST METHOD
GRAB STRENGTH	LBS	380	ASTM D 4632
ELONGATION	%	50%	ASTM D 4632

SEAM STRENGTH	LBS	380	ASTM D 4632
CBR PUNCTURE	LBS	1000	ASTM D 6241
TRAPEZOIDAL TEAR	LBS	150	ASTM D 4533
APPARENT OPENING SIZE	U.S. SIEVE	100	ASTM D 4751
PERMITTIVITY	GAL/MIN/SF	50	ASTM D 4491
UV RESISTANCE	%	70%	ASTM D 4355

- B. Geotextile shall be a black non-woven geotextile having a minimum weight of 8 oz per sq. yard (ASTM D5261), such as PROPEX GEOTEX 801 or equal meeting the following GAI-LAP MARV at a 97% confidence level:

MINIMUM PHYSICAL REQUIREMENTS FOR BACKFILL GEOTEXTILE

PROPERTY	UNITS	ACCEPTABLE VALUES	TEST METHOD
GRAB STRENGTH	LBS	200	ASTM D 4632
ELONGATION	%	50%	ASTM D 4632
SEAM STRENGTH	LBS	380	ASTM D 4632
CBR PUNCTURE	LBS	528	ASTM D 6241
TRAPEZOIDAL TEAR	LBS	80	ASTM D 4533
APPARENT OPENING SIZE	U.S. SIEVE	80	ASTM D 4751
PERMITTIVITY	GAL/MIN/SF	110	ASTM D 4491
UV RESISTANCE	%	70%	ASTM D 4355

2.3 DEWATERING MATERIALS

- A. Provide haybales and silt fence in accordance with Section 01570.

PART 3 EXECUTION

3.1 PREPARATION

- A. Public Safety and Convenience
1. Adhere to the requirements of 520 CMR 14.00 for all excavation work.
 2. Take precautions for preventing injuries to persons or damage to property in or about the Work.

3. Provide safe access for the Owner's and Engineer's representatives at site during construction.
4. Do not obstruct site drainage, natural watercourses or other provisions made for drainage.

3.2 CONSTRUCTION

A. Earth Retention Systems

1. Provide Earth Retention Systems necessary for safety of personnel and protection of the Work, adjacent work, utilities, and structures.
2. Maintain Earth Retention Systems for the duration of the Work.
3. Systems shall be constructed using interlocking corner pieces at the four corners. Running sheet piles by at the corners, in lieu of fabricated corner pieces, will not be allowed.
4. Drive sheeting ahead of and below the advancing excavation to avoid loss of materials from below and from in front of the sheeting.
5. Sheeting is to be driven to at least the depth specified by the designer of the earth retention system, but no less than 2 feet below the bottom of the Excavation.
6. Remove sheeting, unless designated to be left in place, in a manner that will not endanger the construction or other structures. Backfill and properly compact all voids left or caused by the withdrawal of sheeting.
7. Remove earth retention systems, which have been designated by the Engineer to be left in place, to a depth of 3 feet below the established grade.

B. Excavation

1. Perform excavation to the lines and grades indicated on the Drawings. Backfill unauthorized over-excavation in accordance with the provisions of this Section, at no additional cost to the Owner.
2. Excavate with equipment selected to minimize damage to existing utilities or other facilities. Hand excavate as necessary to locate utilities or avoid damage.
3. Sawcut the existing pavement in the vicinity of the excavation prior to the start of excavation in paved areas, so as to prevent damage to the paving outside the requirements of construction.
4. During excavation, material satisfactory for backfill shall be stockpiled in an orderly manner at a distance from the sides of the excavation equal to at least one half the depth of the excavation, but in no case closer than 2 feet.
 - a. Excavated material not required or not suitable for backfill shall be removed from the site.
 - b. Perform grading to prevent surface water from flowing into the excavation.

- c. Pile excavated material in a manner that will endanger neither the safety of personnel in the excavation nor the Work itself. Avoid obstructing sidewalks and driveways.
 - d. Hydrants under pressure, valve pit covers, valve boxes, manholes, curb stop boxes, fire and police call boxes, or other utility controls shall be left unobstructed and accessible until the Work is completed.
5. If satisfactory materials are not encountered at the design subgrade level, excavate unsatisfactory materials to the depth directed by the Engineer and properly dispose of the material. Backfill the resulting extra depth of excavation with satisfactory fill materials and compact in accordance with the provisions of this Section.

C. Placing Geotextile

1. Place geotextile as indicated and over soil subgrades, extending 12 inch minimum beyond joints/openings/edges. Spread and compact the material promptly after it has been deposited. When, in the Engineer's judgment, equipment is inadequate to spread and compact the material properly, reduce the rate of placing of the fill or employ additional equipment.
2. Geotextile seams shall consist of 24 inch overlaps or full strength continuous sewn seams. Provide adequate ballast on generally horizontal geotextile and proper fastening on vertical geotextile to secure it in the intended locations until the stone work is complete. Provide crushed stone bedding over geotextile (minimum necessary) if sharp pointed or sharp edge armor or underlayer stone is being placed with a sharp edge/point toward the geotextile.
3. Once geotextile has been placed, backfill the seawall excavation with as shown on the Drawings.

D. Backfill and Compaction

1. Unless otherwise specified or indicated on the Drawings, use satisfactory material removed during excavation for backfilling trenches. The Engineer may require stockpiling, drying, blending and reuse of materials from sources on the Project.
2. Spread and compact the material promptly after it has been deposited. When, in the Engineer's judgment, equipment is inadequate to spread and compact the material properly, reduce the rate of placing of the fill or employ additional equipment.
3. When excavated material is specified for backfill and there is an insufficient amount of this material at a particular location on the Project due to rejection of a portion thereof, consideration will be given to the use of excess material from one portion of the Project to make up the deficiency existing on other portions of the Project.
 - a. Use borrow material if there is no excess of excavated material available at other portions of the Project.

4. Backfilling and compaction methods on land side of seawall shall attain 95% of maximum dry density at optimum moisture content as determined in accordance with ASTM D1557.
5. Do not place stone or rock fragment larger than six inches in greatest dimension in the backfill.
6. Maximum loose lift height for backfilling existing or borrow material shall be 12 inches, unless satisfactory compaction is demonstrated otherwise to the Engineer through field-testing. In no case shall loose lift height for backfilling exceed 3 feet.

E. Dewatering

1. Provide, operate, and maintain adequate pumping, diversion and drainage facilities in accordance with the approved dewatering plan to maintain the excavated area sufficiently dry from groundwater and/or surface runoff so as not to adversely affect construction procedures nor cause excessive disturbance of underlying natural ground. Locate dewatering system components so that they do not interfere with construction under this or other contracts.
2. Take actions necessary to ensure that dewatering discharges comply with permits applicable to the Project. Dispose of water from the trenches and excavations in such a manner as to avoid public nuisance, injury to public health or the environment, damage to public or private property, or damage to the work completed or in progress.
3. Repair any damage resulting from the failure of the dewatering operations and any damage resulting from the failure to maintain all the areas of work in a suitable dry condition, at no additional cost to the Owner.
4. Take precautions to protect new work from flooding during storms or from other causes. Control the grading in the areas surrounding all excavations so that the surface of the ground will be properly sloped to prevent water from running into the excavated area. Where required, provide temporary ditches for drainage. Upon completion of the work, all areas shall be restored to original condition.
5. Brace or otherwise protect pipelines and structures not stable against uplift during construction.
6. Do not excavate until the dewatering system is operational and the excavation may proceed without disturbance to the final subgrade.
7. Unless otherwise specified, continue dewatering uninterrupted installation has been completed such that they will not float or be otherwise damaged by an increase in groundwater elevation.
8. If open pumping from sumps and ditches results in "boils", loss of fines, or softening of the ground, submit a modified dewatering plan to the Engineer within 48 hours. Implement the approved modified plan and repair any damage incurred at no additional cost to the Owner.

9. Where subgrade materials are unable to meet the subgrade density requirements due to improper dewatering techniques, remove and replace the materials in accordance with Section 02320 at no additional cost to the Owner.
10. Notify the Engineer immediately if any settlement or movement is detected of survey points adjacent to excavations being dewatered. If settlement is deemed by the Engineer to be related to the dewatering, submit a modified dewatering plan to the Engineer within 24 hours. Implement the approved modified plan and repair any damage incurred to the adjacent structure at no additional cost to the Owner.
11. Dewatering discharge:
 - a. Install sand and gravel, or crushed stone, filters in conjunction with sumps, well points, and/or deep wells to prevent the migration of fines from the existing soil during the dewatering operation.
 - b. Do not discharge water into any sanitary sewer system.
 - c. Provide separately controllable pumping lines.
 - d. The Engineer reserves the right to sample discharge water at any time.
12. Removal
 - a. Do not remove dewatering system without written approval from the Engineer.
 - b. Backfill and compact sumps or ditches with screened gravel or crushed rock in accordance with Section 02320.

END OF SECTION

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SECTION 00410

BID FORM

PROJECT IDENTIFICATION:

EDGEWATER DRIVE SEAWALL REPAIR PROJECT

TABLE OF ARTICLES

1. Bid Recipient
2. Bidder's Acknowledgements
3. Bidder's Representations
4. Bidder's Certifications
5. Basis of Bid
6. Time of Completion
7. Attachments to This Bid
8. Bid Submittal

ARTICLE 1 - BID RECIPIENT

- 1.1 This Bid is submitted to:

City of Quincy, Massachusetts

1305 Hancock Street, Quincy, MA 02169

- 1.2 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGEMENTS

- 2.1 Bidder accepts all of the terms and conditions of the Advertisement for Bids and Instructions to Bidders, including without limitation, those dealing with the disposition of Bid deposit. The Bid will remain subject to acceptance for 30 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 2.2 The Work under this Contract shall be subject to the provisions of Chapter 30, Section 39M of the Massachusetts General Laws.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

- 3.1 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
- A. No officer, member or employee of the City of Quincy or its designees or agents, and no member of its governing body, and no other public official of the governing body of the locality or localities in which the project is situated or being carried out,

who exercises any functions or responsibilities in the review or approval or the undertaking or carrying out of this project, shall participate in any decisions relating to this Contract, which affects his personal interest or the interest of any corporation, partnership, or association in which he is directly or indirectly interested or have any personal or pecuniary interest, direct or indirect, in this contract or the proceeds thereof.

- B. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents and the Addenda, receipt of all which is hereby acknowledged.
- C. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.
- D. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.
- E. Bidder has carefully studied all: drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions.
- F. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- G. Based on the information and observations referred to in Paragraph 3.1E above, Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required and in accordance with the other terms and conditions of the Bidding Documents.
- H. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The undersigned, as Bidder, declares that he understands that information relative to sub-surface and other conditions, natural phenomena, existing pipes and other structures (surface and/or sub-surface) has been furnished only for his information and convenience without any warranty or guarantee, expressed or implied, that the structures (surface and/or sub-surface) actually encountered will be the same as those shown on the drawings or in any of the other contract documents, and he

agrees that he shall not use or be entitled to use any such information made available to him through the contract documents or otherwise, or obtained by him in his own examination or the site, as a basis or grounds for any claim against the Owner or the Engineer arising from or by reason of any variance which may exist between the aforesaid information made available to or acquired by him and the sub-surface and/or other conditions, natural phenomena, existing pipes and other structures (surface and/or sub-surface) encountered during construction, and that due allowance therefore has been made in this bid.

- K. The undersigned, as Bidder, understands that the quantities of work tabulated in this bid or indicated on the drawings or in the specifications or other contract documents are only approximate and are subject to increase or decrease, as deemed necessary by the Engineer.
- L. The undersigned, as Bidder, agrees that for extra work, if any, performed in accordance with the terms and provisions of the annexed form of Agreement, he will accept compensation as stipulated therein as full payment for such extra work.
- M. If this proposal shall be accepted and the Bidder shall fail to contract as aforesaid and to give a Bond in the sum to be determined as aforesaid with surety satisfactory to the Owner within ten (10) days from the date of the mailing of the Notice of Award from the Owner to him, according to the address herewith given, the Owner may, at its option, determine that the bidder has abandoned the contract, and thereupon this proposal and acceptance thereof shall be null and void, and the certified check or bid submitted covering this proposal shall become the property of the Owner, otherwise said certified check or bid bond shall be returned to the Bidder.

ARTICLE 4 - BIDDER'S CERTIFICATION

- 4.1 Bidder hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work, that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee, and that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration.
- 4.2 Bidder certifies that, under penalty of perjury, Bidder is not presently debarred from doing public construction work in the Commonwealth under the provisions of MGL Chapter 29, Section 29F or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder; and is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- 4.3 Bidder hereby certifies under the penalties of perjury, to the best of Bidder's knowledge and belief, that Bidder has filed all State tax returns and paid all State taxes required by law.

- 4.4 Bidder certifies under penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used herein the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.
- 4.5 This bid must bear the written signature of the Bidder, or an authorized agent of the bidder. If the bidder is a corporation or a partnership, the bid must be signed by a duly authorized officer of such corporation or partnership, and the title of such an officer must be stated.

ARTICLE 5 - BASIS OF BID

- 5.1 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item Number	Item Name and Unit Bid Prices Written in Words and Figures	Estimated Quantity	Total Amount of Item (in figures)
1	Mobilization and Demobilization, per lump sum, the price of: _____ (\$ _____)	lump sum* =	\$ _____
	*Not to exceed 5 percent of the total Bid price		
2	Traffic Control, per lump sum, the price of: _____ (\$ _____)	lump sum =	\$ _____
3	Uniformed Traffic Police, per hour, the price of: _____ Forty dollars per hour (\$ 40 / hour)	x <u>640</u> hours =	\$ <u>25,600</u>
4	Existing seawall unit removal, each, the price of: _____ (\$ _____)	x <u>60</u> each =	\$ _____
5	Concrete seawall unit, each, the price of: _____ (\$ _____)	x <u>60</u> each =	\$ _____
6	Sidewalk Base Excavation, per cubic yard, the price of: _____ (\$ _____)	x <u>310</u> c.y. =	\$ _____
7	Concrete Sidewalk per square yard, the price of: _____ (\$ _____)	x <u>925</u> s.y. =	\$ _____
8	Timber stairways, per lump sum, the price of: _____ (\$ _____)	lump sum =	\$ _____
9	Concrete stairways repair including spall repair, stair resurfacing and railing repair, per lump sum, the price of: _____ (\$ _____)	lump sum =	\$ _____

- 10 Granite seawall repair including block replacement, repointing and core grouting, per lump sum, the price of: lump sum = \$ _____

(\$ _____)
- 11 Processed Gravel Borrow, per cubic yard, the price of: x 210 c.y. = \$ _____

(\$ _____)
- 12 Remove and Resuse Coastal Revetment Stone, per lump sum, the price of: lump sum = \$ _____

(\$ _____)
- 13 Armor Stone, per ton, the price of: x 9000 ton = \$ _____

(\$ _____)
- 14 Underlayer Stone, per ton, the price of: x 1200 ton = \$ _____

(\$ _____)
- 15 Calcium Chloride for Dust Control, per ton, the price of: x 5 tons = \$ _____

(\$ _____)
- 16 Silt Sock, per linear foot, the price of: x 2,150 l.f. = \$ _____

(\$ _____)
- 17 Catch Basin Sedimentation Control, each, the price of: x 5 each = \$ _____

(\$ _____)
- 18 96-inch Precast Concrete Manholes, each, the price of: x 1 each = \$ _____

(\$ _____)

- | | | | |
|----|--|-----------------------|----------|
| 19 | 96-inch Precast Concrete Manholes - Additional Vertical Feet in excess of 5 feet, per vertical foot, the price of: | x <u>5</u> v.f. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 20 | Manhole Frame & Cover, each, the price of: | x <u>1</u> each = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 21 | Concrete Encasement, per cubic yard, the price of: | x <u>3</u> c.y. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 22 | 18-inch Ductile Iron Pipe & Fittings, per linear foot, the price of: | x <u>48</u> l.f. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 23 | 48-inch Ductile Iron Pipe & Fittings, per linear foot, the price of: | x <u>130</u> l.f. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 24 | Outfall pipe support including helical anchors, pipe straps, pipe bands, steel channel, and fasteners: | lump sum = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 25 | Abandonment of Existing Drainage Outfall, lump sum, the price of: | lump sum = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 26 | Fine Grading & Compaction, per square yard, the price of: | x <u>6,200</u> s.y. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |
| 27 | Permanent Bituminous Concrete Repair, per square yard, the price of: | x <u>35</u> s.y. = | \$ _____ |
| | _____ | | |
| | (\$ _____) | | |

- 28 Non-Woven Geotextile fabric (Geotex 1601),
per square yard, the price of: _____ x 1,950 s.y. = \$ _____
(\$ _____)
- 29 Non-Woven Geotextile fabric (Geotex 801), per
square yard, the price of: _____ x 1,350 s.y. = \$ _____
(\$ _____)
- 30 Curb Removal & Resetting, per linear foot, the
price of: _____ x 1,200 l.f. = \$ _____
(\$ _____)
- 31 Park Bench _____ x 7 each = \$ _____
(\$ _____)
- 32 Bike Bollards _____ x 8 each = \$ _____
(\$ _____)
- 33 Landscaping (Shrub Plantings): _____ x 47 each = \$ _____
(\$ _____)
- 34 Loam & Seed, per square yard, the price of: _____ x 5,200 s.y. = \$ _____
(\$ _____)

TOTAL AMOUNT OF BID - Items 1 through 33

_____ dollars
(words)

(\$ _____)
(figures)

5.2 This Bid includes Addenda numbered _____.

ARTICLE 6 - TIME OF COMPLETION

6.1 Bidder agrees that the Work will be substantially completed and completed and ready for final payment in accordance with paragraph 14.07.B of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.2 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.1 The following documents are attached to and made a condition of this Bid:
- A. The following documents are attached to and made a condition of this Bid:
 - B. Bid Bond
 - C. Relevant Previous Experience
 - D. Statement of Bidder's Qualifications
 - E. Certificate of Acknowledgment of Contractor For Bid
 - F. Signature Authorization
 - G. Certificate of Non-Collusion
 - H. Tax Compliance Certificate
 - I. Certification of Bidder Regarding Equal Employment Opportunity
 - J. Right-To-Know Law
 - K. Non-Collusion Affidavit
 - L. Certification Non-Segregated Facilities
 - M. Affidavit Regarding Prior Labor Disputes
 - N. Certification Internal Accounting
 - O. Certification of Bidders/Sub-Bidders on Public Construction Projects

ARTICLE 8 - BID SUBMITTAL

8.1 The Bid is submitted by:

Date _____
_____ (Print Name of Firm Submitting a General Bid)

(Signature of Authorized Representative)

(Print Name of Person Signing Bid and Title)

Social Security Number or _____
Federal Identification Number: (Business Address)

(City, State and Zip Code)

Phone #: _____

Fax #: _____

If BIDDER is:

An Individual

By _____

(Individual's Signature)

(Printed or Typed Name of Individual)

Doing Business as _____

License or Registration Number: _____

Business Address: _____

Phone #: _____

Fax #: _____

A Partnership

By _____

(Firm's Name)

By _____

(Partner's Signature)

(Printed or Typed Name and Title of Partner)

License or Registration Number: _____

Business Address: _____

Phone #: _____

Fax #: _____

A Corporation

By _____
(Corporation's Name)

(State of Incorporation)

By _____
(Signature of Officer Authorized to Sign)

(Printed or Typed Name and Title of Officer Authorized to Sign)
(CORPORATE SEAL)

Attest _____
(Secretary)

License or Registration Number: _____

Business Address: _____

Phone #: _____

Fax #: _____

A Joint Venture

By _____
(Signature)

(Printed or Typed Name)

(Address)

Phone #: _____

Fax #: _____

By _____
(Signature)

(Printed or Typed Name)

(Address)

Phone #: _____

Fax #: _____

(Each joint venture must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

END OF SECTION

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