



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

Phone: 376-1060
Fax: 376-1074

ADDENDUM NUMBER 2

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

BID TITLE: EDGEWATER DRIVE SEAWALL REPAIR PROJECT

PLEASE NOTE :

Addendum Number 2 includes the following documents:

- Section 00410 Bid Form, revised 04/15/13;
- Section 01270 Measurement and Payment, revised 04/15/13.
- Section 01295 Schedule of Values, revised 04/15/13.

Due to the change in the bid opening date, **questions will be accepted until Friday, April 19, 2013 at 12:00 p.m.**

In addition to the above attached documents and changes, the following questions, italicized in bold, were asked by a potential bidders. Below are answers to the questions:

Q1: The "Pipe Pile Support Assembly" drawing on Sheet 19 shows various items for the support assembly including C-channels, threaded rod, nuts, washers, and a stainless steel pipe band. However, there are no sizes of any of the items listed, and the drawing is not to scale. Could you advise as to the sizes of the various miscellaneous metals?

A1: The contractor shall provide, prior to the start of construction, drawings and design calculations, for the entire outfall pipe support assembly, stamped by a licensed Professional Engineer in the Commonwealth of Massachusetts. Drawings and calculations shall include but are not limited to the anchoring system, c-channel, threaded rod, nuts, washers, and stainless steel pipe bands. Design loads and a manufacturer have been provided in the Drawings to assist in the preparation of a bid and ultimately the design of the support assembly.

Q2: How does the contractor get paid for resetting the existing concrete units that have settled?
a. What Line Item should money be carried under?
b. What are the limits of resetting existing block (start and finish)?
c. What are the limits of "re-facing" concrete seawall?

A2: The removal and resetting of existing seawall units should be included in item 10.
a. Item 10 has been revised on the Bid Form.
b. All precast concrete seawall units shall be removed and reset between Sta. 11+00 and Sta. 16+00 (See sheet 15 of 23).

- c. *Limits of precast concrete seawall to be refaced are shown on sheets 7 of 23 thru 12 of 23 and called out by station.*

Q3: Granite Seawall Repairs

- a. *Can this be performed on a square foot basis?*
- b. *Is it your intent to dismantle and rebuild portions of the wall or the entire wall?*
- c. *To what extent is the contractor responsible in terms of warranting the granite seawall repairs. As stated in Addendum 1 the seawall is ever changing.*

- A3:
- a. *No. Contractors shall refer to the Meeting Summary included with Addendum 1. Item 10 under Section 01270 - Measurement and Payment has been revised to show a maximum length of wall to be repaired.*
 - b. *The granite seawall shall remain standing throughout construction. Only when access is needed to grout the core of the structure shall portions of the granite seawall be removed.*
 - c. *Contractors are referred to Article 13 of Section 00700-General Conditions.*

Q4. How does the contractor get paid for "bedding stone"?

A4: *Item 35 has been added to the Bid Form.*

Q5: How does the contractor get paid for concrete leveling pads?

- a. *Typical section 0+00 to 4+15 shows a concrete leveling pad with varying dimensions making it un-biddable. Can a unit price be added to the contract?*

- A5: *The leveling pad shall be bid under item 5. Item 5 has been revised on the Bid Form.*
- a. *The proposed leveling pad thickness varies with location. Contractor shall refer to sheet 7 of 23 for proposed grading.*

Q6: How does the contractor get paid for the Bronze Plaque?

- a. *Does the city have a vendor they can forward to the contractor?*

A6: *Item 36 has been added to the Bid Form.*

- a. *No.*

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: _____

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 of 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 including the leveling pad, 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, core grouting, and removal and resetting of existing seawall units, 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 Reuse Coastal Revetment Stone, per lump sum, the price of:
_____ lump sum = \$ _____
(\$ _____)
- 13 Armor Stone, per ton, the price of:
_____ x 6750 tons = \$ _____
(\$ _____)
- 14 Underlayer Stone, per ton, the price of:
_____ x 1200 tons = \$ _____
(\$ _____)
- 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>925</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, each, the price of: _____ x 7 each = \$ _____
(\$ _____)
- 32 Bike Bollards, each, the price of: _____ x 8 each = \$ _____
(\$ _____)
- 33 Landscaping (Shrub Plantings), each, the price
of: _____ x 47 each = \$ _____
(\$ _____)
- 34 Loam & Seed, per square yard, the price of: _____ x 5,200 s.y. = \$ _____
(\$ _____)
- 35 Bedding Stone, per cubic yard, the price of: _____ x 275 c.y. = \$ _____
(\$ _____)
- 36 Project Plaque, each, the price of: _____ x 1 each = \$ _____
(\$ _____)

TOTAL AMOUNT OF BID – Items 1 through 36

_____ 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

Q0021/04/15/13

00410-9

Bid Form

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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SECTION 01270

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 DIVISION 0 AND DIVISION 1 WORK INCIDENTAL TO THE CONTRACT PRICE

- A. No separate measurement or payment will be made for Work called for in Division 0 or Division 1 of the Specifications, unless specifically covered under the Bid items listed below. All costs associated with this Work will be considered incidental to the Contract Bid price.
- B. Division 2 through Division 9 Work will be measured and paid for at the Contractor's unit Bid price or lump sum item cost as indicated on the Bid form. Those payable Work items, and related prices as Bid, will be the basis for all compensation to the Contractor for Work performed under this Contract. Work not specifically included as a Bid item, but which is required to properly and satisfactorily complete the Work is considered ancillary and incidental to the Bid item Work, and payment for such Work is considered to be included in the values as Bid for payable items. Compensation for all unit Bid price Work will be made based on the measured quantity of Work under the appropriate Bid items.

1.2 MOBILIZATION AND DEMOBILIZATION (ITEM 1)

- A. Measurement
 - 1. There will be no measurement for the mobilization and demobilization to the Site as this Work will be on a lump sum basis.
- B. Payment
 - 1. Payment of the lump sum Bid price will be paid in two equal installments. The first installment will occur at the time the first payment requisition is submitted after the Contractor has initiated full-time construction activity. The second installation will be paid when the Contractor has completed all construction activity including final cleanup and punchlist items. In no case will the total of both installments exceed 5 percent of the Bid price.

1.3 TRAFFIC CONTROL (ITEM 2)

- A. Measurement
 - 1. There will be no measurement for traffic control as this Work will be on a lump sum basis.
- B. Payment
 - 1. Payment of the lump sum Bid price will be full compensation for all labor, equipment, and materials required for or incidental to the traffic control Work.
 - 2. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.4 UNIFORMED TRAFFIC POLICE (ITEM 3)**A. Measurement**

1. Measurement for uniformed traffic police will be on an hourly basis using the Police Department invoices.

B. Payment

1. Payment will be made upon receipt of a copy of the Police Department invoices and a copy of the Contractor's check to the Police Department.
2. The Police Department invoices shall include the officer's name, date, location, hours worked, and wage rate.

1.5 EXISTING SEAWALL UNIT REMOVAL (ITEM 4)**A. Measurement**

1. Measurement for the existing seawall unit removal will be a count of the number of existing seawall units to be removed as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the existing seawall removal will be full compensation for removal and proper off-site disposal of the existing seawall unit, and all labor, equipment and materials required for or incidental to the Work.

1.6 CONCRETE SEAWALL UNIT (ITEM 5)**A. Measurement**

1. Measurement for concrete seawall units will be a count of the number of concrete seawall units.

B. Payment

1. Payment of the Bid price for the concrete seawall units will be full compensation for furnishing and installing the concrete seawall units, and all labor, equipment and materials required for or incidental to the Work.

1.7 SIDEWALK BASE EXCAVATION (ITEM 6)**A. Measurement**

1. Measurement for the sidewalk base excavation will be on a cubic yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for sidewalk base excavation will be full compensation for all cutting of pavement, excavation, removal and proper off-site disposal of material (including existing sidewalk to be removed), and all labor, equipment and materials required for or incidental to the Work.

1.8 CONCRETE SIDEWALK (ITEM 7)**A. Measurement**

1. Measurement for the concrete sidewalk will be on a square yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for concrete sidewalk will be full compensation for furnishing, hauling, and placing, and all labor, equipment and materials required for or incidental to the Work.

1.9 TIMBER STAIRWAYS (ITEM 8)**A. Measurement**

1. There will be no measurement for the timber stairways as this Work will be on a lump sum basis.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.10 CONCRETE STAIRWAYS INCLUDING SPALL REPAIR, STAIR RESURFACING AND RAILING REPAIR (ITEM 9)**A. Measurement**

1. There will be no measurement for the concrete stairways including spall repair, stair resurfacing and railing repair as this Work will be on a lump sum basis.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.11 GRANITE SEAWALL REPAIR (ITEM 10)**A. Measurement**

1. There will be no measurement for the granite seawall repair as this Work will be on a lump sum basis.
2. The length of wall to be repaired shall not exceed 1200 linear feet.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.12 PROCESSED GRAVEL BORROW (ITEM 11)**A. Measurement**

1. Measurement for processed gravel borrow will be by the cubic yard.

B. Payment

1. Payment of the Bid price for processed gravel borrow will be full compensation for furnishing, hauling, placing, spreading, and compacting, and include all labor, equipment and materials required for or incidental to the Work.

1.13 REMOVAL AND REUSE OF COASTAL REVETMENT STONE (ITEM 12)

A. Measurement

1. There will be no measurement for the removal and reuse of coastal revetment stone as this Work will be on a lump sum basis.
2. All coastal revetment stone removed, stockpiled, but not reused as armor or underlayer stone, shall become the property of the Owner.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.14 ARMOR STONE (ITEM 13)

A. Measurement

1. Measurement for armor stone will be on a per ton basis.

B. Payment

1. Payment of the Bid price for armor stone will be full compensation for excavation, hauling, and placing the armor stone and all labor, equipment and materials required for or incidental to the Work.

1.15 UNDERLAYER STONE (ITEM 14)

A. Measurement

1. Measurement for underlayer stone will be on a per ton basis.

B. Payment

1. Payment of the Bid price for underlayer stone will be full compensation for excavation, hauling, and placing the underlayer stone and all labor, equipment and materials required for or incidental to the Work.

1.16 CALCIUM CHLORIDE FOR DUST CONTROL (ITEM 15)

A. Measurement

1. Measurement for calcium chloride will be on a per ton basis limited to that which is used as approved by the Engineer.

B. Payment

1. Payment of the Bid price for calcium chloride will be full compensation for all labor, equipment and materials required for or incidental to the Work.

1.17 SILT SOCK (ITEM 16)**A. Measurement**

1. Measurement for the silt sock will be on a per linear foot basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the silt sock will be full compensation for furnishing the silt sock, and all labor, equipment and materials required for or incidental to the Work.

1.18 CATCH BASIN SEDIMENTATION CONTROL (ITEM 17)**A. Measurement**

1. Measurement for the catch basin sedimentation control will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the catch basin sedimentation control will be full compensation for furnishing the catch basin sedimentation control, and all labor, equipment and materials required for or incidental to the Work.

1.19 96-INCH PRECAST CONCRETE MANHOLE (ITEM 18)**A. Measurement**

1. Measurement for the 96-inch precast concrete manhole will be on a per unit basis, for height up to 5 feet, as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the 96-inch precast concrete manhole will be full compensation for furnishing and the 96-inch precast concrete manhole, and all labor, equipment and materials required for or incidental to the Work.

1.20 96-INCH PRECAST CONCRETE MANHOLE (ITEM 19)**A. Measurement**

1. Measurement for the 96-inch precast concrete manhole will be on a per vertical foot basis, for height in excess of 5 feet, as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the 96-inch precast concrete manhole will be full compensation for furnishing the 96-inch precast concrete manhole, and all labor, equipment and materials required for or incidental to the Work.

1.21 MANHOLE FRAME & COVER (ITEM 20)**A. Measurement**

1. Measurement for the manhole frame & cover will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the manhole frame & cover will be full compensation for furnishing the manhole frame & cover, and all labor, equipment and materials required for or incidental to the Work.

1.22 CONCRETE ENCASEMENT (ITEM 21)

A. Measurement

1. Measurement for the concrete encasement will be on a per cubic yard basis.

B. Payment

1. Payment of the Bid price for the concrete encasement will be full compensation for furnishing the concrete encasement, and all labor, equipment and materials required for or incidental to the Work.

1.23 18-INCH DUCTILE IRON PIPE & FITTINGS (ITEM 22)

A. Measurement

1. Measurement for the 18-inch ductile iron pipe & fittings will be on a per linear foot basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the 18-inch ductile iron pipe & fittings will be full compensation for furnishing the 18-inch ductile iron pipe & fittings, and all labor, equipment and materials required for or incidental to the Work.

1.24 48-INCH DUCTILE IRON PIPE & FITTINGS (ITEM 23)

A. Measurement

1. Measurement for the 48-inch ductile iron pipe & fittings will be on a per linear foot basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the 48-inch ductile iron pipe & fittings will be full compensation for furnishing the 48-inch ductile iron pipe & fittings, and all labor, equipment and materials required for or incidental to the Work.

1.25 OUTFALL PIPE SUPPORT (ITEM 24)

A. Measurement

1. There will be no measurement for the outfall pipe support as this Work will be on a lump sum basis.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.26 ABANDONMENT OF EXISTING DRAINAGE OUTFALL (ITEM 25)**A. Measurement**

1. There will be no measurement for the abandonment of existing drainage outfall as this Work will be on a lump sum basis.

B. Payment

1. Payments will be made on a monthly basis as a percentage of the lump sum Bid and the amount of Work for that particular month.

1.27 FINE GRADING & COMPACTION (ITEM 26)**A. Measurement**

1. Measurement for fine grading and compacting new sidewalk sub-base areas will be on a square yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for fine grading and compaction will be full compensation for fine grading the sub grade of the sidewalk areas, and all labor, equipment and materials required for or incidental to the Work.

1.28 PERMANENT BITUMINOUS CONCRETE REPAIR (ITEM 27)**A. Measurement**

1. Measurement for permanent bituminous concrete repair will be on a square yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for permanent bituminous concrete repair will be full compensation for furnishing, hauling, placing, spreading, and compacting the bituminous concrete, and all labor, equipment and materials required for or incidental to the Work.

1.29 NON-WOVEN GEOTEXTILE FABRIC (GEOTEX 1601) (ITEM 28)**A. Measurement**

1. Measurement for the geotextile fabric will be on a square yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the geotextile fabric will be full compensation for furnishing the geotextile fabric, and all labor, equipment and materials required for or incidental to the Work.

1.30 NON-WOVEN GEOTEXTILE FABRIC (GEOTEX 801) (ITEM 29)**A. Measurement**

1. Measurement for the geotextile fabric will be on a square yard basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the geotextile fabric will be full compensation for furnishing and the geotextile fabric, and all labor, equipment and materials required for or incidental to the Work.

1.31 CURB REMOVAL AND RESETTING (ITEM 30)

A. Measurement

1. Measurement for the curb removal and resetting will be on a per linear foot basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the curb removal and resetting will be full compensation for the curb removal and resetting, and all labor, equipment and materials required for or incidental to the Work.

1.32 PARK BENCH (ITEM 31)

A. Measurement

1. Measurement for the park bench will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the park bench will be full compensation for furnishing the park bench, and all labor, equipment and materials required for or incidental to the Work.

1.33 BIKE BOLLARDS (ITEM 32)

A. Measurement

1. Measurement for the bike bollards will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the bike bollards will be full compensation for furnishing the bike bollards, and all labor, equipment and materials required for or incidental to the Work.

1.34 LANDSCAPING (SHRUB PLANTINGS) (ITEM 33)

A. Measurement

1. Measurement for the landscaping will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the landscaping will be full compensation for furnishing the landscaping, and all labor, equipment and materials required for or incidental to the Work.

1.35 LOAM AND SEED (ITEM 34)**A. Measurement**

1. Measurement for loam and seed will be on a square yard basis as measured in the field by the Engineer. The length of the repair will be the actual length of the trench loamed and seeded. The width will be limited to that shown on the Drawings or the actual width of repair, whichever is less.
2. Measurement for payment under this item will be for loam and seed Work as required for lawn restoration and/or for "lawn quality" restoration of disturbed areas, based on the limits shown on the Drawings.
3. Placement of vegetative cover is incidental to the Contractor's excavation and other Work on this project. No separate measurement or payment for this Work will be made under this contract.

B. Payment

1. Payment of the Bid price for loam and seed will be full compensation for all labor, equipment, materials and grading required for or incidental to the Work. Loaming and seeding outside of the limits shown on the Drawings may be required, but will not be paid for under this item.

1.36 BEDDING STONE (ITEM 35)**A. Measurement**

1. Measurement for bedding stone will be by the cubic yard.

B. Payment

1. Payment of the Bid price for bedding stone will be full compensation for furnishing, hauling, placing, spreading, and compacting, and include all labor, equipment and materials required for or incidental to the Work.

1.37 PROJECT PLAQUE (ITEM 36)**A. Measurement**

1. Measurement for the project plaque will be on a per unit basis as measured in the field by the Engineer.

B. Payment

1. Payment of the Bid price for the project plaque will be full compensation for furnishing the project plaque, and all labor, equipment and materials required for or incidental to the Work.

PART 2 PRODUCTS - NOT USED**PART 3 EXECUTION - NOT USED**

END OF SECTION

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SECTION 01295

SCHEDULE OF VALUES

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. Schedule of Values

1.2 SUBMITTALS

- A. Action Submittals
 - 1. Submit 3 copies of the Schedule of Values for approval within 10 days after the Effective Date of the Agreement.

1.3 SCHEDULE OF VALUES

- A. Schedule of Values shall be a detailed breakdown of only the lump sum Work items showing values allocated to the various elements of the Work.
- B. The format of the Schedule of Values shall be a breakdown by Specification Section and content and shall be submitted on EJCDC C-620, Contractor's Application for Payment. The Engineer may require additional detailed documentation to support the values in the form of executed purchase orders, subcontracts, or other agreements.
- C. The Engineer will determine the level of breakdown and detail required. The breakdown shall include materials, installation, and start-up for equipment and controls where applicable. The final document will be the basis of payment requests for the duration of the Contract. No progress payment will be made until the Schedule of Values is approved by the Engineer.
- D. An unbalanced Schedule of Values providing overpayment on items of work performed first will not be accepted.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

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