City of Cambridge
PURCHASING DEPARTMENT

Elizabeth Unger
Purchasing Agent

TO: All Bidders

FROM: City of Cambridge

DATE: March 30, 2018


PLEASE NOTE: the due date for the bid referenced above has been extended to Thursday, April 12, 2018 @2:00PM

PLEASE NOTE: there has not been an extension made for questions. Questions are officially closed.

The attention of bidders submitting proposals for the above referenced project is called to the following Addendum to the contract plans and specifications. The items set forth herein, whether of omission, addition, substitution, or clarification are all included in the proposed work. This addendum consists of 12 pages, numbered Pages 1 through 12 with attachments.

This addendum is comprised of the following:
Response to Bidder Questions (No. 42 to 66)
Modifications to Drawings
Modifications to Specifications
NEW Form for General Bid

All other details remain the same.

________________________

Elizabeth Unger
Purchasing Agent

Addendum No. 6
I. GENERAL

The attention of bidders submitting proposals for the above referenced project is called to the following Addendum to the contract plans and specifications. The items set forth herein, whether of omission, addition, substitution, or clarification are all included in the proposed work. This addendum consists of 12 pages, numbered Pages 1 of 12 through 12 of 12 with attachments.

This addendum is comprised of the following:

- Response to Bidder Questions (No. 42 to 66)
- Modifications to Drawings
- Modifications to Specifications

Inclusion of this Addendum must be acknowledged by inserting its number on page 00300-1 of the Bid Proposal. Failure to acknowledge any or all addenda in the above-specified bid may be cause for rejection of the bid by the Owner on the grounds that it is not responsive.

The Bid forms are being reissued as part of this Addendum. Modifications were only made to Specification Section 00300 – General Bid Form in this Addendum.

The due date for the bid No. 7909A has been extended to Thursday, April 12, 2018 at 2:00 PM.

II. RESPONSE TO BIDDER QUESTIONS

Q-42 Addendum 3, Section 00300 – Form for General Bid, Paragraph D states that the bidder agrees to fully complete all work related to Milestone 1 by April 1, 2020. Specification Section 01010 – Summary of Work, Paragraph G states that the work required for Milestone 1 shall be completed by April 15, 2020. Please confirm the required completion date for Milestone 1.

A-42 Milestone 1 shall be completed by April 15th, 2020. Specification Section 00300-Form for General Bid, Paragraph D has been revised in Addendum No. 6.

Q-43 Addendum 3, Pre-Bid Meeting Minutes, Item 4 states that the Milestone 1 requirement was included so the Mass+Main project can restore the parking lot after the completion of
the stormwater tank. Please provide the details (elevation, subgrade material, etc) of how Work Zone 1 needs to be left for Milestone 1 to be accomplished.

A-43 Refer to Sheet C-6 Keynote I.

Q-44 Appendix E – ROE Agreements, License Agreement, Exhibit B-Initial Construction Staging and Coordination Plan, 4th paragraph, 3rd bullet point, states “Licensee shall have access to Zone 1 for purposes of installation of a support system within Zone 1 in order to facilitate the installation of the exterior ‘skin’ on the portion of the Licensee Project referred to as ‘B2’ in a manner mutually acceptable to the parties.” Please confirm that this access for the Mass+Main contractor is to take place after completion of Milestone 1. If not, then please provide details on the limits and timeline of this additional access restraint.

A-44 Note: For purposes of the PL6 Contract, the Contractor shall assume that Exhibit B, page Exhibit B-1, 6th bullet, has been revised as follows:

“Following completion of Licensee’s sensitive underground work within Zone 1 by May 31, 2018, Licensor will occupy and control Zone 1 for all purposes related to the City Infrastructure Project, until Milestone 1 of the PL6 contract is reached. Any Licensee access necessary to support exterior construction on Building B2 shall be contained within the 5’ wide corridor which is outside of and adjacent to Zone 1, as shown on Drawing G-3. This 5’ wide corridor shall also include “air rights”, should the Licensee require them for Building B2 work. Any proposed use of Zone 1 by the Licensee prior to Milestone 1 completion, shall be mutually agreed upon by the Licensor and Licensee, and is not guaranteed.”.

This has been added in this addendum to the cover of Appendix E in Addendum No. 6.

Q-45 Bid Item 24 includes and allowance for the Compensation Grouting. Specification Section 02350, Section 1.2, Paragraph B states “The Compensation Grouting program will be paid out as time and materials work item in accordance with Section 01025-Measurement and Payment.” The program requires grout material to be delivered to the site within two hours of a decision to implement Compensation Grouting. Typically the drilling and grout pipe installation occurs in advance of the tunneling operation so that the grouting operation can commence in an expeditious manner when required. Will the drilling of the grout pipes be performed in advance of the tunneling and compensated on a Time & Materials basis under Bid Item 24? Or does the Engineer anticipate the drilling operation to commence after the decision to implement compensation grouting has made, further delaying the start of the grouting operation? If the drilling operation is to commence after the decision is made to implement compensation grouting, will the contractor be required to have equipment and material on standby and if so, be compensated on a Time and Material basis?
A-45 Compensation grouting does not require any work until notified by the Engineer other than developing the required response plans and securing a qualified subcontractor and expert to perform the grouting.

Q-46 Please provide the locations of the temporary paving associated with Bid Item 06-Temporary Paving.

A-46 See response to Q-56 below.

Q-47 Addendum 3 modifies Sheet GEO-2 by adding a 16th building to the Monitoring and Survey Plan Schedule. Note 3 then identifies two addresses to be inspected, 66 Bishop Allen Drive and 67 Bishop Allen Drive, which are separate buildings. Please clarify whether the inspection of 66 and 67 Bishop Allen Drive are this ‘16th building’ or if they are in addition to another building.

A-47 The “16th building” added to the table on GEO-2 includes both 66 and 67 Bishop Allen Drive. Contractor to provide inspections for the properties at 66 Bishop Allen Drive and 67 Bishop Allen Drive.

Q-48 Answers A-23 and A-31 included in Addendum 3 indicate that the Sub-Bidder Certification and OSHA Subcontractor Certification need not be submitted at the time of bid. Does the CREP Subcontractor Certification Form need to be submitted at the time of bid? A-32 states that this form applies to all sub-contractors, but text on the form indicates it applies only to subcontractors $25,000 and over – which of these statements is correct?

A-48 SubBidder Certifications do not need to be submitted at the time of bid.

Q-49 Drawing C-6 shows a 12” diameter Tank Vent in the northwest corner of the tank. Details of the penetration and vent could not be found on the drawings. Please provide.

A-49 The penetration through the top panel shall be in accordance with Detail S-144 and Detail M-122, in addition to Keynote C on S-4.

Addendum No. 6 has the following changes to Sheet C-6:
ADD the following Sheet Keynote J: “TANK VENT TO BE INSTALLED IN ACCORDANCE WITH DETAIL M-901. CONTRACTOR TO COORDINATE WITH MASS&MAIN FOR LOCATION OF TANK VENT”
ADD reference to Sheet Keynote J to the following note: “12” TANK VENT”

Addendum No. 6 has the following change to Sheet GM-3:
Detail M-901
DELETE notes and linework below and including the flanged 90-degree base bend.
ADD linework to show tank top slab and penetration with callout for details S-144 and M-122.

DELETE vertical dimension between base bend and finished grade.

DELETE “1’6” SQ. CONCRETE” and REPLACE with “2’-0” SQ. CONCRETE”.

DELETE 8” vertical dimension and replace with 8”+/-.

DELETE “6”-DIA DI VENT PIPE” and REPLACE with “12”-DIA DI VENT PIPE”.

Detail M-902
DELETE “6” DI PIPE” and REPLACE with “12”-DIA DI PIPE”

DELETE “6” DI PE-FLANGE” and REPLACE with “12”-DIA PE-FLANGE”

Q-50 Sheet C-6 indicates that there are two locations of proposed permanent fencing: at the electrical pad, and alongside the east side of the stormwater tank. Specification Section 02980 includes chain link fence, and Section 05600 includes aluminum fence. However, the drawings do not indicate which fence type is proposed in which location. Please clarify which fencing type is required at the electrical pad and which type is required at the stormwater tank.

A-50 The electrical pad fencing is intended to be aluminum in accordance with Section 05600. The temporary fencing around the workzone is intended to be chain link in accordance with Section 02980. The following modifications have been made as part of Addendum No. 6:

ADD the following to Sheet C-6, Keynote E: “FENCING AROUND ELECTRICAL ENCLOSURE SHALL BE ALUMINUM IN ACCORDANCE WITH DETAIL 19 ON SHEET GC-7 AND SPECIFICATION SECTION 05600”

ADD the following to the fencing note on the east side of the stormwater tank: “IN ACCORDANCE WITH SPECIFICATION SECTION 02980”

Q-51 Specification Section 02900 refers multiple times to a PLANT SCHEDULE. While Sheet R-1 does indicate some proposed trees, there is no PLANT SCHEDULE in the drawings. Please include the referenced planting list or schedule for clarification.

A-51 A Plant Schedule has been added in Addendum No. 6.
Q-52 Based on the extents of the receiving pit and Mass Ave work zone indicated on Sheet G-3, a number of existing granite bollards will need to be removed and restored. Please provide a detail for this restoration that shows any concrete foundations or crushed stone base required.

A-52 The granite bollards shall be protected or carefully removed, stored, and reset in place. The Contractor shall assume the bollards are as deep below grade as they are above grade and are set in concrete. The bollards shall be reset in concrete.

The Engineer does not have a record of the granite bollard details. The PL6 contractor will be required to remove and store the bollards for reinstallation upon completion of work in the plaza area. The bollards shall be reinstalled in a manner similar to the current installation as approved by the Engineer.

Q-53 Other than to generally guide an MTBM over extreme distances in lieu of HDD (Herrenknecht Direct Pipe system), it is not industry standard to use a pilot bore or guide rails to support a microtunnel installation. Please provide examples of this method being used.

A-53 The geotechnical conditions, particularly the very soft soils, present an unusual condition. In addition, pilot bore or guide rails use are necessary to reduce the risk of unforeseen obstructions.

Q-54 The contractor is required to supply calculations proving the adequacy of the “guide system” employed (for either auger or microtunnel). What type of calculations is the engineer contemplating? Will the bidder need to carry costs for full 3d FEI, spring loading, et al.; or if the system proves to be buoyant, will a simple buoyancy calculation(s) suffice?

A-54 Simple calculations will suffice if the weight of the tunneling system, including tunnel spoils or soil plug, is light and buoyant relative to the ground. However, the calculations also need to address forces generated to keep the drive on line and grade due to non-weight related deviations.

Q-55 The specifications require the contractor to submit a “Plan for removing spoils while maintaining face stability. Include the planned holdback distance of the augers from the leading edge of the casing”. Are we to assume that maintenance of a soil plug of some thickness is acceptable as the sole means of supporting the 6’ diameter tunnel face? If not, what other means of face control is required (ie. doors, gates, pressure monitoring, etc…). What is an acceptable means of face support if the auger needs to be removed for cleaning (sticky clay) or other?

A-55 The holdback distance for the augers will need to be determined by the contractor based on ground behavior and the frictional forces developed during the drive.
Q-56  Bid Item #6 Temporary Paving has a quantity of 1,000 tons. Measurement and Payment section F.3. excludes any of the temporary pavement work identified in Bid Items 05, 11, 14 thru 18, 20 and 22. The vast majority of the trench and test pit patching for the project is shown on the drawings for work contained in these items. Where is the 1,000 ton of Temporary Paving to be installed and paid for?

A-56  Most of the temporary paving on the project is included in the associated bid items. Use of the Temporary Paving Bid Item is anticipated for temporary pavement of the Bishop Allen Drive sidewalks in the area of the full surface restoration ahead of the sidewalk restoration by others (as shown on drawing R-1), temporary paving used to support project related private utility work by others, and other project related areas as directed by the Engineer for improved vehicle, bicycle or pedestrian access. If unanticipated conditions warrant the temporary paving of the future PL6 lot, this item will be used to compensate the PL6 contractor for this work. The permanent paving of the PL6 lot is by others.

Q-57  In Addendum 3 on the re-issued Bid Form, Item #22 is written as 20 (Estimated Quantity) Each (Units). In the written “Item Description”, the unit is written as Lump Sum. Should the Item Description unit be written as Each?

A-57  Correct. The item description should be written as “Each”. This has been edited in Addendum No. 6.

Q-58  In Addendum 3 modified drawings GEO-3, GEO-6, C-8, C-9, C-10, C-15 were issued without a Professional Engineering stamp and a “Not For Construction” note where the stamp should go. Also in the lower right hand, corner the “Issued for Bid” has been replaced with “90% Submittal Not for Construction”. Should the drawings have been Stamped and marked “Issued for Bid”?

A-58  The referenced unstamped drawings are included as part of the DRAFT MBTA License Agreement and are not to be used for Construction. Addendum 3 reissued drawings C-5, C-9 and C-10 which are stamped by a Professional Engineer, indicated as “Issued for Bid” and have the appropriate addendum clouding and revision notation.

Q-59  Contract Drawing C-6 indicates a 12” diameter Tank Vent through the roof in the North West corner of the storage tank. Mechanical details M-901 and M-902 do not appear to be compatible with a 12” Tank Vent. Are there any additional details showing the 12” tank vent?

A-59  Refer to response to Q-49 above.
Q-60  Contract Drawing E-2 show a Utility Transformer and Utility PME-9 Switch on the contractor installed equipment pad. Is Eversource providing the Transformer and Switch for the contractor to install? What size is the Transformer and Switch?

A-60  Eversource will be providing and installing the Transformer and PME-9 Switch. The Contractor shall install the concrete pads in accordance with Eversource’s installation requirements. Addendum No. 6 includes the following changes to the One-Line Diagram on Sheet E-1:

DELETE “MEDIUM VOLTAGE EVERSOURCE ENERGY 3-PHASE FEED” and REPLACE with “MEDIUM VOLTAGE EVERSOURCE ELECTRIC”

DELETE “EVERSOURCE ENERGY PROVIDED PME-9 SWITCH. INSTALL PER EVERSOURCE ENERGY REQUIREMENTS” and REPLACE with “PME-9 SWITCH PROVIDED AND INSTALLED BY EVERSOURCE ELECTRIC”

DELETE “EVERSOURCE ENERGY PROVIDED TRANSFORMER. INSTALL PER EVERSOURCE ENERGY REQUIREMENTS” and REPLACE with “TRANSFORMER PROVIDED AND INSTALLED BY EVERSOURCE ELECTRIC”

Q-61  Addendum 3 revised sheet C-10 (page 124 of 142) to show the level sensor to be located above the 36” RCP in the DMH at station 304+40. Previously C-10 had been revised on Addendum 3 (page 88 of 124) showing the new invert for the cleanout manhole and installation of the level sensor at DMH 305+90. Please confirm that the level sensor is to be installed in the drain manhole at station 304+40.

A-61  Refer response to Q-58 above. The drawings included as part of the DRAFT MBTA License Agreement are not to be used for bidding nor construction.

Q-62  The checklist provided on page 4 of the instructions to bidders includes the following:

• Sub-Bidders Certification
• CREP Subcontractor Certification Forms

Please confirm that we are only to submit the General Contractor versions of these forms.

A-62  Correct, the bid only requires to submit the General Contractor versions of these forms.

Q-63  It states in Appendix D, Permits Obtained by the Owner, which is to include the MBTA License Agreement, that “permits to be included in forthcoming submissions.” No subsequent addenda included the MBTA permit/agreement.

The specifications suggest that the contractor can manufacture steel casing pipe capable of withstanding the anticipated jacking forces. However, typically, the railroad will
dictate the pipe wall thickness. If this is the case, what will MBTA dictate this thickness to be? E.g. a 0.5” wall thickness is more than capable of withstanding the anticipated jacking pressures.

A-63 The MBTA permit does not have a stipulated pipe wall thickness for the casing pipe on this project. All MBTA requirements shall be met regardless of whether in the permit or other documents.

Q-64 As a follow up to Addendum 3 & 4 JF White respectfully asks the following questions pertaining to question Q-22 and A-22:

1. The construction of the proposed launch shaft walls with drilled secant piles and the proposed pipe installation via micro tunneling are construction methods both specified by the Contract Documents. Specialty subcontractors complete both of these operations. None of the subcontractors qualified to do this work are currently classified as MBE. The cost of these operations are a considerable percentage of the overall project cost resulting in a disproportionate amount of the remaining work being required to be subcontracted to an MBE. Since there are no specialty subcontractors classified as MBE for the required scope, we request that the value of the work required by specialty subcontractors be excluded from the 10% MBE requirement.

2. Contract contains several bid items for third party allowances for MBTA inspections and for private utilities. Since the contractor has no control of, nor can subcontract the work to an MBE firm, we ask that the value of the third party allowances be excluded from the (text ended here).

A-64 MBE requirements will not be waived. Every effort should be made to find MBE Companies. The City Director of Equity and Inclusion compliance officer will work with the winning bidder.

Q-65 The Contract Specifications allow for the Auger-Bore method of installation for the 63” Steel Casing Pipe below the MBTA Red Line Tunnel. Upon our research, we have been unable to find any trenchless subcontractors that have experience installing 63” pipe utilizing the Auger Bore Method. Could the Engineer please provide the contact information of a few Auger-Bore subcontractors that can meet the qualification requirements in the specifications and have successfully installed 63” pipes using the Auger-Bore method?

A-65 The qualifications subsection of the specification requires experience with 48-inch auger bore 100 feet long, and does not require direct experience with a 63-inch bore.

Q-66 Section A on sheet C-9 indicates a 2” minimum clearance between all pipes and 3” minimum clearance between the casing pipe and the carrier pipes. Please note that upon laying out the pipes including the bell end of the pipes and the grout ports on the inside of the steel pipes, a trenchless subcontractor has indicated the required minimum clearances cannot be maintained. Please confirm that the bell end of pipes and grout ports on the
inside casing pipe will not be used when determining that the minimum clearances can be met.

A-66 The measurement of the clearances indicated in Sheet C-9 Section A are exclusive of the protrusions for the grout ports. However, the bells should be offset from the grout ports.

III. MODIFICATIONS TO DRAWINGS

1. SHEET G-3. Work Zone 1 limits were edited to provide a 5-foot separation between B-1 slurry wall and the City’s Work Zone 1. The revised work zone remains approximately 14,000 SF. Edits will be included in the Conformed Set.
   a. REPLACE “WORK ZONE LIMITS N: 2957870.6170 E: 764244.9662” with “WORK ZONE LIMITS N: 2957872.9597 E: 764246.8621”.
   b. REPLACE “WORK ZONE LIMITS N: 2957892.7601 E: 764215.6924” with “WORK ZONE LIMITS N: 2957897.6878 E: 764215.7572”.

2. SHEET C-4: Revised drawing and providing full size print. Changes include:
   a. ADD 15” PVC storm drain and structures between STA 206+06 and 207+22, connecting to the 36” storm drain

3. SHEET C-6: Edits will be included in the Conformed Set.
   a. ADD the following Sheet Keynote J: “TANK VENT TO BE INSTALLED IN ACCORDANCE WITH DETAIL M-901. CONTRACTOR TO COORDINATE WITH MASS&MAIN FOR LOCATION OF TANK VENT”
   b. ADD reference to Sheet Keynote J to the following note: “12” TANK VENT”
   c. ADD the following to Sheet C-6, Keynote E: “FENCING AROUND ELECTRICAL ENCLOSURE SHALL BE ALUMINUM IN ACCORDANCE WITH DETAIL 19 ON SHEET GC-7 AND SPECIFICATION SECTION 05600”
   d. ADD the following to the fencing note on the east side of the stormwater tank: “IN ACCORDANCE WITH SPECIFICATION SECTION 02980”

4. SHEET C-16: Revised drawing and providing full size print. Changes include:
   a. ADD 8” water main relocation for added storm drain work added in sheet C-4.
   b. ADD test pit to confirm water main corridor and telecom location and size.

5. SHEET RG-2: Edits will be included in the Conformed Set.
   a. ADD the following Plant Schedule:

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<td>Swamp White Oak</td>
<td>3&quot; cal</td>
<td>32&quot;</td>
<td>B&amp;B</td>
</tr>
</tbody>
</table>
6. SHEET GM-2: Edits will be included in the Conformed Set:
   A. Detail M-901
      a. **DELETE** notes and linework below and including the flanged 90-degree base bend.
      b. **ADD** linework to show tank top slab and penetration with callout for details S-144 and M-122.
      c. **DELETE** vertical dimension between base bend and finished grade.
      d. **DELETE** “1’6” SQ. CONCRETE” and REPLACE with “2’-0” SQ. CONCRETE”.
      e. **DELETE** 8” vertical dimension and replace with 8”+/-.
      f. **DELETE** “6”-DIA DI VENT PIPE” and REPLACE with “12”-DIA DI VENT PIPE”.
   B. Detail M-902
      a. **DELETE** “6” DI PIPE” and REPLACE with “12”-DIA DI PIPE”
      b. **DELETE** “6” DI PE-FLANGE” and REPLACE with “12”-DIA PE-FLANGE”

7. SHEET E-1: Edits will be included in the Conformed Set:
   a. **DELETE** “MEDIUM VOLTAGE EVERSOURCE ENERGY 3-PHASE FEED” and REPLACE with “MEDIUM VOLTAGE EVERSOURCE ELECTRIC”
   b. **DELETE** “EVERSOURCE ENERGY PROVIDED PME-9 SWITCH. INSTALL PER EVERSOURCE ENERGY REQUIREMENTS” and REPLACE with “PME-9 SWITCH PROVIDED AND INSTALLED BY EVERSOURCE ELECTRIC”
   c. **DELETE” EVERSOURCE ENERGY PROVIDED TRANSFORMER. INSTALL PER EVERSOURCE ENERGY REQUIREMENTS” and REPLACE with “TRANSFORMER PROVIDED AND INSTALLED BY EVERSOURCE ELECTRIC”

IV. MODIFICATIONS TO SPECIFICATIONS (Specifications edits that are noted below will be provided in the Conformed Set)

1. TABLE OF CONTENTS
   a. **DELETE** text “, Steel” from Section 00900

2. **DELETE** the section in its entirety and REPLACE it with the attached SECTION 00300ADD6 – FORM FOR GENERAL BID. Specifically, the following changes have been made:
a. REVISE Milestone 1 Date to April 15, 2020
b. REVISE Bid Item No. 22 unit in the item description to “EACH”

The following changes were included in Addendum No. 3, but were not highlighted in the addendum cover letter

c. REVISE Bid Item No. 30 quantity to 50 CY
d. REVISE Bid Item No. 31 quantity to 50 CY
e. REVISE Bid Item No. 32 quantity to 13,000 TON
f. REVISE Bid Item No. 33 quantity to 4,800 TON
g. REVISE Bid Item No. 35 quantity to 2,400 TON
h. REVISE Bid Item No. 36 quantity to 700 TON
i. REVISE Bid Item No. 37 quantity to 850 TON

3. SECTION 00900 – FUEL, ASPHALT, CONCRETE PRICE ADJUSTMENT
   SPECIFICATION LANGUAGE
   a. DELETE “Steel” from Section title.
   b. Change to be reflected in specification footer on pages 00900-1 to 00900-4.

4. SECTION 01900 – RAILROAD COORDINATION
   a. DELETE 1.5.A in its entirety and REPLACE with:

   “A. All notices regarding work on or around the MBTA Red Line tunnel shall be made to the following, unless otherwise noted or directed:

   Massachusetts Bay Transportation Authority
   Real Estate Department
   10 Park Plaza, Room 5720
   Boston, Massachusetts 02116
   Attn: Chief of MBTA Real Estate

   and Massachusetts Bay Transportation Authority
   Rail and Transit Division
   Attn: Chris Shea, Division Chief Light-Rail Operations

   and MBTA Capital Delivery Department
   100 Summer Street – 12th Floor
   Boston, Massachusetts 02143
   Attn: Assistant General Manager

   And DESIGNATED REPRESENTATIVE:
   Massachusetts Realty Group
   20 Park Plaza, Suite 1120
   Boston, Massachusetts 02116
   Attn: MBTA License Management”

b. ADD the following as 1.6.J
“J. The Contractor, shall be responsible to adhere to all requirements and stipulations set forth in the MBTA license agreement “License For Entry MBTA 15316” dated March 5, 2018 as included in Appendix D of these contract documents.”

5. **APPENDIX E – ROE AGREEMENT**  
a. **ADD** the following to the cover sheet of Appendix E

“Note: For purposes of the PL6 Contract, the Contractor shall assume that Exhibit B, page Exhibit B-1, 6th bullet, has been revised as follows:  
Following completion of Licensee’s sensitive underground work within Zone 1 by May 31, 2018, Licensor will occupy and control Zone 1 for all purposes related to the City Infrastructure Project, until Milestone 1 of the PL6 contract is reached. Any Licensee access necessary to support exterior construction on Building B2 shall be contained within the 5’ wide corridor which is outside of and adjacent to Zone 1, as shown on Drawing G-3. This 5’ wide corridor shall also include “air rights”, should the Licensee require them for Building B2 work. Any proposed use of Zone 1 by the Licensee prior to Milestone 1 completion, shall be mutually agreed upon by the Licensor and Licensee, and is not guaranteed.”
SECTION 00300
FORM FOR GENERAL BID

To the Awarding Authority: CITY OF CAMBRIDGE, MASSACHUSETTS

A. The undersigned proposes to furnish all labor and materials required for

The Port Infrastructure Improvement Project: Parking Lot No. 6 Stormwater Storage Tank and Combined Sewer Flow Reduction (referenced throughout the Contract Documents as “The Port - PL6 Stormwater Storage Tank”)

CAMBRIDGE, MA

In accordance with the accompanying plans and specifications including all Labor and Materials, for the contract price specified below, subject to additions and deductions according to the terms of the specifications.

The bidder may utilize subcontractors’ qualifications for responding to the quality requirements. However, the bidder is specifically advised that any person, firm or other party to whom it proposes to award a subcontract under the terms of this contract must be acceptable to the owner and to the Commonwealth of Massachusetts.

Bidding procedures shall be accordance with M.G.L. c. 30, §39M (a) and (c), as most recently amended, and all other applicable laws.

B. QUALITY REQUIREMENTS

The City of Cambridge will reject any bid that does not meet the quality requirements. A "no" response or a failure to adequately respond to any of the following quality requirements will result in a rejection of your bid.

1. Bidder has been in the business of performing reconstruction of tunneling, shaft construction, and instrumentation and monitoring for municipalities or public utilities for at least ten (10) years.

2. Bidder has been in the business of performing reconstruction of sewers, drains, water mains, sidewalks, and roadways for municipalities or public utilities for at least ten (10) years.

3. Bidder has equipment and personnel available to respond within four (4) hours to emergency calls relating to work of this contract 24 hours a day, 7 days a week, throughout the

Bidder's Name ____________________________

The Port – PL6 FORM FOR GENERAL BID
Addendum 6 00300-1
Contract period.

4. Bidder has evaluated its current project workload and determined that it has the capacity, through its current professional and labor workforce, to begin the contract within ten days following the date set forth in the Notice to Proceed.

5. The Bidder has reviewed the labor, equipment, and capacity requirements for its projected workload in Year(s) 2018-2020 and has determined that the Bidder has the resources to perform the work proposed in the Port – PL6 Stormwater Storage Tank project.

C. This bid includes addenda numbered ________________________________

D. The bidder hereby agrees to commence work under this Contract on or before a date to be specified, in a written “Notice To Proceed”, by the Owner, and to fully complete all work related to Milestone 1 by April 15, 2020 and all other work within 730 calendar days from the date set forth in the “Notice to Proceed” thereafter.

E. Liquidated damages specified in this contract are $4,400.00 per day for each consecutive calendar day of unfinished work beyond Milestone 1 and/or the 730 calendar days from date set forth in the “Notice to Proceed.

F. Proposed Contract Price is _________________________________________

___________________________________________________________

DOLLARS

($_______________________________________)

G. The subdivision of the Proposed Contract Price is as follows: (All quantities are approximate)

H. Items 05, 06, 07, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 39, contain minimum unit prices. The Contractor shall add to this value an adjustment to provide the final unit price bid for the respective item. The final unit price bid shall be the sum of the minimum unit price and the Bidders additional price. Insertion of 0 is allowable. In that case, the final unit cost will be the minimum unit cost.

(SEE FOLLOWING PAGES)
# BASE BID ITEMS

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<td>Lump Sum</td>
<td>Pre and Post Construction Survey</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>1</td>
<td>Lump Sum</td>
<td>Instrumentation and Monitoring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>500</td>
<td>Cubic Yard</td>
<td>Ten + Test Pits</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>1000</td>
<td>Ton</td>
<td>Ten + Temporary Paving</td>
<td></td>
</tr>
</tbody>
</table>

Bidder's Name

The Port – PL6  
Addendum 6

FORM FOR GENERAL BID

00300-3
<table>
<thead>
<tr>
<th>Item #</th>
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<th>Units</th>
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<tbody>
<tr>
<td>07</td>
<td>120</td>
<td>Day</td>
<td>Treatment of Construction Dewatering</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Five +</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($___5.00 + ______________)</td>
<td>Day</td>
</tr>
<tr>
<td>08</td>
<td>1</td>
<td>Lump Sum</td>
<td>Launch Shaft</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($_______________)</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>09</td>
<td>1</td>
<td>Lump Sum</td>
<td>Receiving Shaft</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($_______________)</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>Lump Sum</td>
<td>Trenchless Tunnel</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($_______________)</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>Lump Sum</td>
<td>Diversion Structure</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($_______________)</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>Lump Sum</td>
<td>Storage Tank</td>
<td>$__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>_______________</td>
<td>Dollars</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($_______________)</td>
<td>Lump Sum</td>
</tr>
</tbody>
</table>

Bidder's Name ________________________________

The Port – PL6 FORM FOR GENERAL BID
Addendum 6 00300-4
<table>
<thead>
<tr>
<th>Item #</th>
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<th>Units</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>1</td>
<td>Lump Sum</td>
<td>Tank and Pump Station, Mechanical, Power, Controls, and Instrumentation Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>14</td>
<td>1</td>
<td>Lump Sum</td>
<td>Pipeline Improvements on Bishop Allen Drive Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>15</td>
<td>1</td>
<td>Lump Sum</td>
<td>Pipeline Improvements on Essex Street Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>16</td>
<td>1</td>
<td>Lump Sum</td>
<td>Flap Valve Structure at School Street Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>17</td>
<td>1</td>
<td>Lump Sum</td>
<td>Pipeline Improvements on Massachusetts Avenue Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>18</td>
<td>1</td>
<td>Lump Sum</td>
<td>Siphon Cleaning and Improvements on Massachusetts Avenue Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
<tr>
<td>19</td>
<td>1</td>
<td>Lump Sum</td>
<td>CCTV – Jet Cleaning and CCTV of Drain on Massachusetts Avenue Dollars</td>
<td>__________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($) _______________ Dollars</td>
<td>Lump Sum</td>
</tr>
</tbody>
</table>

Bidder's Name ______________________________________
<table>
<thead>
<tr>
<th>Item #</th>
<th>Estimated Quantity</th>
<th>Units</th>
<th>ITEM DESCRIPTION</th>
<th>Amount</th>
</tr>
</thead>
</table>
| 20    | 1                 | Lump Sum | Pipeline Improvements at Douglass Street  
$______________________________ Dollars  
($______________________________) Lump Sum | $_______ |
| 21    | 43                | Each   | Private Service Lateral Investigations  
$______________________________ Dollars  
($______________________________) Each | $_______ |
| 22    | 20                | Each   | Illicit Lateral Redirection  
$______________________________ Dollars  
($______________________________) Each | $_______ |
| 23    | 1                 | Lump Sum | Bishop Allen Drive Surface Restoration  
$______________________________ Dollars  
($______________________________)Lump Sum | $_______ |
| 24    | 1                 | Allowance | Specific Allowance – Compensation Grouting  
Seventy Thousand  
($70,000) Allowance | $70,000____ |
| 25    | 1                 | Allowance | Specific Allowance – MBTA Construction Inspection Force Account  
Two Hundred Thousand  
($200,000) Allowance | $200,000____ |
| 26    | 1                 | Allowance | Specific Allowance – Owner’s Field Office  
Two Hundred Fifty Thousand  
($250,000) Allowance | $250,000____ |

Bidder's Name ________________________________

The Port – PL6  
Addendum 6  
FORM FOR GENERAL BID  
00300-6
<table>
<thead>
<tr>
<th>Item #</th>
<th>Estimated Quantity</th>
<th>Units</th>
<th>Description of the Work and Unit Price Bid Written in Words and Numbers</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>1 Allowance</td>
<td></td>
<td>Specific Allowance – Materials Lab Testing</td>
<td>$75,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Seventy Five Thousand Dollars</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>1 Allowance</td>
<td></td>
<td>Specific Allowance – Utility Allowance</td>
<td>$80,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eighty Thousand Dollars</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>1 Lump Sum</td>
<td></td>
<td>OHM - Soil Management</td>
<td>$________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Thirty Thousand + Dollars</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($30,000.00 + ) Lump Sum</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>50 CY</td>
<td></td>
<td>OHM – Handling Asbestos Contaminated Soil/Fill</td>
<td>$________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ten +</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($10.00 + ) CY</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>50 CY</td>
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<td>OHM – Handle and Characterize Unknown Material</td>
<td>$________</td>
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<td></td>
<td></td>
<td></td>
<td>Ten +</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($10.00 + ) CY</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>13,000 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil Less Than RCS-1 (Class A)</td>
<td>$________</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ten +</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($10.00 + ) Ton</td>
<td></td>
</tr>
<tr>
<td>Item #</td>
<td>Estimated Quantity</td>
<td>Units</td>
<td>Description</td>
<td>Unit Price</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------</td>
<td>-------</td>
<td>-------------</td>
<td>------------</td>
</tr>
<tr>
<td>33</td>
<td>4,800 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil - Daily Cover Unlined Landfill (Class B-1)</td>
<td>Twenty Seven + ___________________________ Dollars ($ 27.00 + ___________________________ ) Ton</td>
</tr>
<tr>
<td>34</td>
<td>50 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil – Daily Cover Lined Landfill (Class B-2)</td>
<td>Thirty + ___________________________ Dollars ($ 30.00 + ___________________________ ) Ton</td>
</tr>
<tr>
<td>35</td>
<td>2,400 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil - Non-Hazardous Solid Waste (Class B-5)</td>
<td>Fifty + ___________________________ Dollars ($ 50.00 + ___________________________ ) Ton</td>
</tr>
<tr>
<td>36</td>
<td>700 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil With Debris- Non-Hazardous Solid Waste Disposal (Class B-6)</td>
<td>Eighty + ___________________________ Dollars ($ 80.00 + ___________________________ ) Ton</td>
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<tr>
<td>37</td>
<td>850 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil - Treatment Of RCRA Characteristically Hazardous Soil To De-Characterize And Disposal Of Soil As Non-Hazardous Waste (Class C-1)</td>
<td>Eighty + ___________________________ Dollars ($ 80.00 + ___________________________ ) Ton</td>
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<tr>
<td>38</td>
<td>50 Ton</td>
<td></td>
<td>OHM - Disposal Of Soil - RCRA Hazardous Waste (Class C-2)</td>
<td>One Hundred + ___________________________ Dollars ($ 100.00 + ___________________________ ) Ton</td>
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<tr>
<td>Item #</td>
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<td>Units</td>
<td><strong>ITEM DESCRIPTION</strong></td>
<td><strong>Amount</strong></td>
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<tr>
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<td>--------------------</td>
<td>------</td>
<td>----------------------</td>
<td>------------</td>
</tr>
<tr>
<td>39</td>
<td>50</td>
<td>Ton</td>
<td>OHM - Disposal of Special Waste</td>
<td>$__________</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Eighty +</strong> Dollars</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>($80.00 + ) Ton</td>
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<tr>
<td>40</td>
<td>1</td>
<td>Allowance</td>
<td>Specific Allowance – Cost Adjuster Allowance</td>
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<tr>
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<td></td>
<td></td>
<td>One Hundred Thousand Dollars</td>
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<tr>
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<td></td>
<td></td>
<td>($100,000 ) Allowance</td>
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<tr>
<td>41</td>
<td>N/A</td>
<td>%</td>
<td>Fuel Use Factor</td>
<td>%</td>
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<td></td>
<td></td>
<td>(Contractor to indicate Fuel Use Factor between 0.5%-2.5%)</td>
<td></td>
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</tbody>
</table>
Total amount of **BASE BID** items 01 through 41 based on Engineer's estimate of quantities

*(Evaluated for Basis of Award):*

---

**(Amount in Words)**

---

**(Amount in Figures)**

Also write the amount of the BID, in words and numbers, in the spaces provided for the on Page 00300-2 of the Form for General Bid.

**The Basis of Award will be to the lowest responsible and eligible bidder at the sole discretion of the City of Cambridge.**

I. The undersigned agrees if selected as General Contractor, within ten (10) working days after presentation thereof by the City, the Contractor will:

1. Execute a contract in accordance with the terms of this general bid;
2. Furnish a performance bond and a labor and materials or payment bond;
   a. of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the City;
   b. in the sum of one hundred percent of the contract price;
   c. premiums for each are to be paid by the General Contractor.
3. provide an Insurance certificate specifying the City of Cambridge, the MBTA, Kleinfelder and Stantec as **Additional Insured**, complying with the Insurance requirements set forth herein in the General Terms and Conditions of the contract, Article 8.

J. Bidder understands that the Owner reserves the right to reject any or all bids and to waive any minor informalities in the bidding prices.

K. Total amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.

L. The bidder hereby certifies it shall comply with the minority workforce ratios and specific action contained in the Cambridge Employment Plan, the Cambridge Responsible Employer Plan, the Living Wage Ordinance and the Americans with Disabilities Act. The contractor receiving the award of the contract shall be required to obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said contract a certification by said subcontractor, regardless of tier, that it will comply with same.
M. The bidder agrees that this bid shall be good and may not be withdrawn for a period of 90 days after the scheduled closing time for receiving bids.

N. The time period for holding bids, where Federal Approval is required, is 90 days, Saturdays, Sundays and holidays excluded after Federal approval.

O. The bid security attached in the sum of _____________________________ ($_________________________) is to become the property of the Owner in the event the contract and bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

P. The undersigned certifies that it possesses the skill, ability and integrity necessary for the faithful performance of the work; 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 who, where the provisions of section 8B of chapter 29 apply, shall have been determined to be qualified thereunder; and who obtains within 10 days of the notification of contract award the security by bond required under section 29 of chapter 149; provided that for the purposes of this section the term “security by bond” shall mean the bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the awarding authority.

Q. The undersigned bidder hereby certifies he/she will comply with the specific affirmative action steps contained in the EEO/AA provisions of this Contract, including compliance with the Disadvantaged Business Enterprise provisions as required under these contract provisions. The contractor receiving the award of the contract shall incorporate the EEO/AA provisions of this contract into all subcontracts and purchase orders so that such provisions will be binding upon each subcontractor or vendor.

R. The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the "person" shall mean any natural person, joint venture, business, partnership, corporation, or other business or legal entity.

S. Pursuant to M.G.L.c.62C, s49A, the undersigned certifies under the penalties of perjury that the said undersigned, to his/her best knowledge and belief, has filed all state tax returns, paid all State Taxes required under law, and complied with all of the laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and

Bidder's Name

The Port – PL6 FORM FOR GENERAL BID
Addendum 6 00300-11
The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of Section Twenty-Nine F of Chapter Twenty-Nine, 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.


Date ______________________

BY: __________________________________________
   (Signature)

   (Name of General Bidder)

   (Title)

   (Business Address)

   (City and State)

   (Phone)

   (Email)

END OF SECTION 00300
SECTION 00310

CITY OF CAMBRIDGE, MASSACHUSETTS

BID BOND

We, the undersigned _______________________________ _____________ as Principal, and ________________ ________________ as Surety, are hereby held and firmly bound unto the CITY OF CAMBRIDGE, a municipality in the County of Middlesex and Commonwealth of Massachusetts, in the penal sum of $___________, for the payment of which, well and truly to be made. We hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

Signed this ______________ day of ___________, _______.

THE CONDITION OF THE ABOVE OBLIGATION is such that whereas the Principal has submitted to the City of Cambridge, Massachusetts, a certain bid attached hereto and hereby made a part hereof to enter into a contract in writing for the Cambridge, Massachusetts, The Port Infrastructure Improvement Project: Parking Lot No. 6 Stormwater Storage Tank and Combined Sewer Flow Reduction (referenced throughout the Contract Documents as “The Port - PL6 Stormwater Storage Tank”).

If the Principal fails to perform their agreement to execute a contract and furnish a performance bond and a labor and materials or payment bond as stated in their bid in accordance with the applicable state statute or fails in all other respects to perform the agreement created by the acceptance of said bid, their bid deposit shall become and be the property of the City of Cambridge as liquidated damages.

If said Bid shall be rejected because of death, disability, bona fide clerical or mechanical error of a substantial nature, or other similar unforeseen circumstances affecting the Principal, their bid bond shall be returned to their.

The Surety, for value received, hereby agrees that its obligations and its bond shall in no way be impaired or affected by an extension of the time in which the City of Cambridge may accept such bid and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

CONTRACTOR AS PRINCIPAL            SURETY

(Signature)                        (Signature)

Name and Title:                   Name and Title:

SEAL                             SEAL

END OF SECTION 00310

The Port – PL6                      BID BOND
Issued for Bid                      00310-1
MINORITY BUSINESS ENTERPRISE REQUIREMENTS

GENERAL

On June 30, 1983 the city of Cambridge put into effect a city wide Minority Business Enterprise (MBE) Program. To comply with the requirements of this program, a general contractor must submit the appropriate MBE Forms with its bid. The process is explained below. Failure to meet the requirements may result in automatic disqualification of the bidder. Upon request or on its own initiative, the City may grant an extension of time for submission of the appropriate MBE Forms. Extensions shall be granted only upon a finding by the City that the bidder's failure to submit the appropriate MBE forms was excusable.

PROCEDURE

Steps you should take to comply with the City's MBE requirements are as follows:

1. Secure a copy of the Supplier Diversity Office (SDO), Certified Minority/Women Business Directory. Only MBE firms approved by SDO will be accepted by the City of Cambridge. Copies of the directory are available at the City's Purchasing Department.

2. Attempt to develop a bid that includes at least ten percent (10%) of your total bid price in the form of work subcontracted to (or materials purchased from) one or more Minority Businesses.

3. To make the attempt to secure at least 10% Minority business participation, you (the General Contractor) must contact as many of the subcontractors or suppliers in the SDO directory as necessary. Please note that MBE FORM #3 - CONTRACT REQUEST FOR EXTENSION and MBE FORM #4 - INFORMATION ON UNSUCCESSFUL MBE CONTACT require you to provide a list of each firm contacted and other related information.

4. If you are successful in securing 10% or more Minority Business participation, you must:
   A: Complete and submit MBE FORM #1 CONTRACTOR CERTIFICATION OF COMPLIANCE.
   B: Have your participating Minority Business each fill out MBE FORM #2 - LETTER OF INTENT TO PARTICIPATE, to be submitted with your bid.

5. If, after contacting all SDO-approved firms in the trades or materials categories you should include in your bid, you have not been able to secure 10% Minority business participation, then complete and submit with your bid MBE FORM #3 - CONTRACTOR REQUEST FOR EXTENSION and MBE FORM #4 - INFORMATION ON UNSUCCESSFUL MBE CONTACT.

1. During the bid period if you have any questions please email them to purchasing@cambridgema.gov. After the bid opening date, if you have any questions about the above steps, please call Betsy M. Allen, Director of Equity and Inclusion, at (617) 349-4331.

MINORITY BUSINESS ENTERPRISE PROGRAM COMPLIANCE DETAILS
PERCENTAGE OF MBE PARTICIPATION - percentage of MBE participation shall be that percentage of the total bid price represented by the amount to be paid to MBE(s). The General Bidder's compliance with the percentage requirement shall continue to be determined by reference to the above-described method throughout the term of the contract, even though the actual may be greater or less than the bid price. The General Bidder shall submit to the Minority Business Compliance Officer signed copies of its subcontracts with all MBE's involved in meeting the percentage of Minority Business Enterprise Requirement.

ROLE of the MBE REVIEW COMMITTEE - The MBE Review Committee shall have referred to it by the Purchasing Agent and the Minority Business Compliance Officer all questions of interpretation of the MBE Program that arise during the Program's operation. The MBE Review Committee shall have the responsibility and authority to respond with binding answers to these questions. It also has the responsibility and authority to recommend to the City Manager whatever improvements it believes can be made in the program, based on operating experience.

CHANGES OF MBE STATUS - Any change or substitution of the officers or stockholders in a participating MBE company that reduces the minority ownership or control to less than the requisite percentage will immediately rescind the MBE designation previously given by SDO. The General Bidder (Prime Contractor) shall immediately notify the Minority Business Compliance Officer upon learning of such a change in MBE status. In this event, the Prime Contractor shall submit to the Minority Business Compliance Officer a revised Contractor Certification of Compliance with MBE Requirements, showing how the lost MBE participation will be replaced.

SANCTIONS

A. If the Prime Contractor does not comply with the terms of the Minority Business Enterprise requirements of the contract, the City may (1) suspend any payment for the activity that should have been performed by the MBE pursuant to the contract, or (2) require specific performance of the Prime Contractor's obligation by requiring the Prime Contractor to sub contract with any MBE for any contract or specialty item at the contract price established for that item in the proposal submitted by the Prime Contractor.

B. To the extent that the Prime Contractor has not Complied with the MBE requirements of the contract, the City may retain an amount determined by multiplying the bid price of this contract by the required percentage of MBE participation, less the amount of paid to MBEs for work performed under the contract and any payments already suspended under "A" above.

C. In addition, or as an alternative, to the remedies under "A" and "B" above, the City may suspend, terminate, or cancel this contract, in whole or in part, or may call upon the Prime Contractor's surety to perform all terms and conditions in the contract, unless the Prime Contractor is able to demonstrate its compliance with the MBE requirements, and may further deny to the Prime Contractor the right to participate in any future contracts awarded by the City for a period of up to three years.

D. In any proceeding involving the imposition of sanctions by the City, no sanctions shall be imposed if the City finds that the Prime Contractor has taken every possible measure to comply with MBE requirements, or that some other justifiable reason exists for waiving the MBE requirements in whole or part.

E. Any bidder or contractor shall provide such information as is necessary in the judgement of the City to ascertain its compliance with the MBE Requirements.

F. No sanctions shall be imposed by the City except in an adjudicatory proceeding under Chapter 30A of the General Laws.

E. A Prime Contractor shall have the right to request suspension of any sanctions imposed by the City upon showing that it is once again in compliance with the MBE Requirements.
The below-signed bidder certifies that it will honor the above Minority Business Enterprise Commitment and that it understands that a breach of this commitment constitutes a breach of the contract.

1. __________________________________________________________________________

2. __________________________________________________________________________

3. __________________________________________________________________________

4. __________________________________________________________________________

5. __________________________________________________________________________

6. __________________________________________________________________________

7. **GRAND TOTAL FOR MINORITY BUSINESS COMMITMENT**
   
   $ ___________________________________________________ ______________________

8. **PERCENTAGE MBE PARTICIPATION (Line 7 divided by total bid price)**

   % ___________________________________________________ ______________________

   Date ___________________________ General Contractor ____________________________

   Authorized Signature ___________________________ Business Address ____________________________
LETTER OF INTENT TO PARTICIPATE
Minority Business Enterprise Requirements

TO: _______________________________________________ ___________________________
   (Name of General Bidder)

1. My company intends to perform work under the above-identified contract as:
   _________ an individual
   _________ a partnership
   _________ a corporation
   _________ a joint venture with _______________________________________________
   _________ other (explain) _______________________ ___________________________
   _____________________________________________________ _____________________

2. My company has been certified by the Supplier Diversity Office (SDO) as a Minority Business
   Enterprise and is listed as such in the most recently issued SDO Minority/Women Business Directory. I
   hereby certify that my company's qualification as a Minority Business Enterprise have not changed since its
   application was submitted to SDO. I further certify that my company will give immediate notification in
   writing to both SDO and your Company in the event that its minority ownership, control, or management
   should change.

3. My company understands that if your company is awarded the contract, your company intends to enter
   into an agreement with my company to perform the activity described below for the prices indicated. My
   firm also understands that your firm, as General Bidder, will make substitutions and quantity changes only
   as allowed or required by the provisions of the contract with the City of Cambridge.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of My Company’s Activity</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Amount</th>
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</table>

   TOTAL AMOUNT______________________________

*Description of Activity should include notations such as "Labor Only", "Material Only", etc.

Date __________________________________ MBE Name __________________________________

MBE Authorized Signature __________________________________________________________

Business Address ________________________________________________________________
CONTRACTOR REQUEST FOR EXTENSION
Minority Business Enterprise Requirements

CONTRACTOR REQUEST-FOR-EXTENSION OF MINORITY BUSINESS ENTERPRISE REQUIREMENTS

The below-signed General Bidder certifies that it made a good faith effort to develop the required ________ % Minority Business Enterprise participation in this contract, but was able to develop only ________ %.

The below-signed General Bidder further certifies that it contacted the below-listed firms from the SDO MINORITY/WOMEN BUSINESS DIRECTORY available for viewing at the City of Cambridge Purchasing Department with the Bidding Documents; that said contracts were bona fide efforts to develop the required Minority Business Enterprise participation in the above-identified contract but were unsuccessful due to circumstances beyond the control of the General Bidder; and that the information given on the following pages about each contract has made is accurate and complete.

MBE Companies Contacted
1. ____________________________________ 11. ____________________________________
2. ____________________________________ 12. ____________________________________
3. ____________________________________ 13. ____________________________________
4. ____________________________________ 14. ____________________________________
5. ____________________________________ 15. ____________________________________
6. ____________________________________ 16. ____________________________________
7. ____________________________________ 17. ____________________________________
8. ____________________________________ 18. ____________________________________
9. ____________________________________ 19. ____________________________________
10. ____________________________________ 20. ____________________________________

The below-signed General Bidder therefore requests that the City of Cambridge grant an extension of ten working days in order to provide the General Bidder and opportunity to secure the required percentage of Minority Business participation.

Date

General Contractor

Authorized Signature

Business Address
FORM

INFORMATION ON UNSUCCESSFUL MBE CONTACT

Minority Business Enterprise Requirements

Additional copies of this information form shall be prepared by the General Bidder in the quantity necessary to comply with bidding requirements.

ITEM NO. ON REQUEST-FOR-EXTENSION

NAME OF MBE COMPANY CONTACTED

ADDRESS OF ___________________________

TELEPHONE NO. _________________________

DATE OF INITIAL CONTACT ___________

HOW WAS CONTACT MADE? (Check appropriate answer) TELEPHONE _____ IN PERSON ______

SUB-CONTRACT WORK OFFERED TO THIS MBE COMPANY

RESULT OF CONTACT (Check appropriate answer) MBE FIRM DECLINED JOB _________;

MBE FIRM OFFERED TO DO JOB AT PRICE OF $ __________, WHICH WAS DETERMINED BY OUR COMPANY TO BE TOO HIGH ______; MBE COMPANY OFFERED TO DO THE JOB AT A PRICE OF $ ________________, WHICH WAS SATISFACTORY, BUT THE MBE COMPANY WAS JUDGED BY OUR COMPANY TO BE UNQUALIFIED FOR THE JOB ____________________________.

NAME AND TITLE OF THE MBE COMPANY OFFICER WHO CAN VERIFY ABOVE INFORMATION AS TO MBE COMPANY'S RESPONSE

It is certified herewith by the below-signed officer of the General Bidder that the above information is accurate and complete.

Date _______________________________ General Contractor _______________________________

Authorized Signature _______________________________ Business Address _______________________________
SECTION 00312

NOTARIZED STATEMENT OF BIDDER'S QUALIFICATIONS

THIS FORM MUST BE SUBMITTED WITH YOUR BID

THIS STATEMENT MUST BE NOTARIZED

BIDDER SHALL PROVIDE CLEAR AND CONCISE RESPONSES TO ALL QUESTIONS IN THIS STATEMENT. BIDDER SHALL USE THIS FORM, OR A FORM WITH THE SAME FORMATTING AS THE CITY’S STATEMENT OF BIDDER QUALIFICATIONS.

The bidder must provide references including telephone number and contact names in response to the questions in this section. References will be used in determining the responsibility of the bidder. The city reserves the right to use itself as a reference.

1. The names, titles, residences of all persons and parties interested in this Proposal as principals are as follows:

   Note: Give the first and last names in full. In the case of corporation, give names of officers and directors; in the case of a partnership, give names of all partners.

   IMPORTANT: Be sure residences are listed below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Home Address</th>
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</tbody>
</table>

2. When organized.

   __________________________________________

3. If a corporation, where incorporated.

   __________________________________________

Bidder’s Name: __________________________________________________________

The Port – PL6 STATEMENT OF BIDDER’S QUALIFICATIONS 00312-1

Issued for Bid
4. Indicate the general nature of work normally performed by your company.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

5. Has your present organization ever failed to complete any work awarded to it? If so, state when, where, and why.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

6. Has your present organization ever defaulted on a contract? If so, state when, where, and why.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

7. Qualification Requirements – As a minimum, the Bidder must demonstrate that it satisfies the following requirements by adequately providing responses to the following qualification requirements:

7A Qualification Requirement for Tunneling:
Within the last 5 years, the Contractor or tunneling subcontractor must have successfully completed at least 3 projects involving, at a minimum, trenchless tunneling using auger boring or microtunneling construction methods similar to those required for this project. The projects shall each be for trenchless tunneling at least 48 inches in diameter and at least 100 feet long and have used similar trenchless equipment. At least one of the trenchless tunneling projects shall have been in soft soils below the water table, and at least one of the trenchless tunneling projects shall have included tunneling below existing structures. Provide the following details:

Project #7A-1:
Project Name: _______________________________________________________________
Start date:__________________   Completion date: ____________________________

Bidder’s Name: ____________________________________________________________
Name and address of Owner for whom the work was done: ______________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
Name of Owner’s Representative (for Reference): ______________________________
Owner’s Representative’s Current Telephone #: ______________________________
Dollar Value of Contract: ____________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Project # 7A-2:
Project Name: ___________________________ Completion date: ______________________
Start date: ___________________________  Completion date: ______________________
Name and address of Owner for whom the work was done: ______________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
Name of Owner’s Representative (for Reference): ______________________________
Owner’s Representative’s Current Telephone #: ______________________________
Dollar Value of Contract: ____________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Bidder’s Name: ________________________________

The Port – PL6 STATEMENT OF BIDDER’S QUALIFICATIONS
Issued for Bid 00312-3
**Project # 7A-3:**

Project Name: __________________________________________________________

Start date: __________________ Completion date: ____________________________

Name and address of Owner for whom the work was done:
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Name of Owner’s Representative (for Reference): ____________________________

Owner’s Representative’s Current Telephone #: ____________________________

Dollar Value of Contract: _______________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

---

**7B Qualification Requirement for Shaft Construction:**

Within the last 5 years, the Contractor or secant pile subcontractor must have successfully completed at least 3 projects involving, at a minimum, large excavation support systems similar to those required for this project. At least one of the projects shall have been using secant piles to a depth of at least 60 feet and with at least 2,000 square feet of secant pile wall. Provide the following details:

**Project #7B-1:**

Project Name: __________________________________________________________

Start date: __________________ Completion date: ____________________________

Name and address of Owner for whom the work was done: ______________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Name of Owner’s Representative (for Reference): ____________________________

Owner’s Representative’s Current Telephone #: ____________________________

Dollar Value of Contract: _______________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
____________________________________________________________________
____________________________________________________________________

---

Bidder’s Name: _________________________________________________________
Project # 7B-2:
Project Name: __________________________________________________________   
Start date: __________________   Completion date: ____________________________   
Name and address of Owner for whom the work was done: ________________________
Name of Owner’s Representative (for Reference): ________________________________ 
Owner’s Representative’s Current Telephone #: ________________________________ 
Dollar Value of Contract: ________________________________________________ 
Description of work performed that demonstrates that the above requirements have 
been fulfilled: __________________________________________________________________
____________________________________________________________________________
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____________________________________________________________________________

Project # 7B-3:
Project Name: __________________________________________________________   
Start date: __________________   Completion date: ____________________________   
Name and address of Owner for whom the work was done: ________________________
Name of Owner’s Representative (for Reference): ________________________________ 
Owner’s Representative’s Current Telephone #: ________________________________ 
Dollar Value of Contract: ________________________________________________ 
Description of work performed that demonstrates that the above requirements have 
been fulfilled: __________________________________________________________________
____________________________________________________________________________
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____________________________________________________________________________

Bidder’s Name: __________________________________________________________________
7C Qualification Requirement for Instrumentation and Monitoring:
Within the last 5 years, the Contractor or Instrumentation Subcontractor must have successfully completed at least 3 projects involving, at a minimum, installation, maintenance, and monitoring of geotechnical instrumentation similar to that required for this project. At least two of the projects shall have included installation of both extensometers and inclinometers, collection and reading instruments, and interpreting both extensometers and inclinometers. Provide the following details:

**Project #7C-1:**
Project Name: __________________________________________________________
Start date: __________________ Completion date: __________________
Name and address of Owner for whom the work was done: ______________________________
Name of Owner’s Representative (for Reference): ________________________________
Owner’s Representative’s Current Telephone #: ________________________________
Dollar Value of Contract: ________________________________
Description of work performed that demonstrates that the above requirements have been fulfilled:
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

**Project #7C-2:**
Project Name: __________________________________________________________
Start date: __________________ Completion date: __________________
Name and address of Owner for whom the work was done:
______________________________________________________________________
Name of Owner’s Representative (for Reference): ________________________________
Owner’s Representative’s Current Telephone #: ________________________________
Dollar Value of Contract: ________________________________
Description of work performed that demonstrates that the above requirements have been fulfilled:
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
Project # 7C-3:
Project Name: __________________________________________________________
Start date:__________________   Completion date: ____________________________
Name and address of Owner for whom the work was done:__________________________

Name of Owner’s Representative (for Reference):_____________________________ 
Owner’s Representative’s Current Telephone #: ______________________________
Dollar Value of Contract:   _______________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
_____________________________________________________________________
_____________________________________________________________________
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7D Qualification Requirement for Traffic Management in Congested Urban Setting:
Within the last 7 years, the Contractor must have successfully completed at least 3 projects involving, at a minimum, work on roadways in an urban setting with heavy volumes of motor vehicle, bicycle, and pedestrian traffic, requiring rerouting of traffic and coordination with police, fire, parking, traffic and accessibility compliance departments. The dollar value of the three (3) projects must be at least 5 million dollars each. Provide the following details:

Project #7D-1:
Project Name: __________________________________________________________
Start date:__________________   Completion date: ____________________________
Name and address of Owner for whom the work was done:__________________________

Name of Owner’s Representative (for Reference):_____________________________ 

Bidder’s Name: __________________________________________________________
Bidder’s Name: __________________________________________________________

The Port – PL6 STATEMENT OF BIDDER’S QUALIFICATIONS
Issued for Bid 00312-8

Owner’s Representative’s Current Telephone #: ______________________________

Dollar Value of Contract:   ________________________________________________

State/City roadway and location of urban setting impacted by project:
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

Project #7D-2:
Project Name: __________________________________________________________
Start date:__________________   Completion date: ____________________________

Name and address of Owner for whom the work was done:
____________________________________________________________________
____________________________________________________________________

Name of Owner’s Representative (for Reference):_____________________________
Owner’s Representative’s Current Telephone #: ______________________________
Dollar Value of Contract:   ________________________________________________
State/City roadway and location of urban setting impacted by project:
____________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
______________________________________________________________________
______________________________________________________________________
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______________________________________________________________________

Bidder’s Name: __________________________________________________________
**Project # 7D-3:**
Project Name: ________________________________
Start date: ____________________ Completion date: ____________________
Name and address of Owner for whom the work was done:
____________________________________________________________________
____________________________________________________________________
Name of Owner’s Representative (for Reference): ____________________________
Owner’s Representative’s Current Telephone #: ____________________________
Dollar Value of Contract: ________________________________________________
State/City roadway and location of urban setting impacted by project:
____________________________________________________________________

Description of work performed that demonstrates that the above requirements have been fulfilled:
____________________________________________________________________
____________________________________________________________________
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____________________________________________________________________

8. Qualification Requirement for Project Manager:
Provide the name of the Contractor's Project Manager that will be assigned to the proposed
Contract. The Project Manager must have a minimum of 10 years construction experience. The
Project Manager must also have demonstrated the ability to manage construction budgets, to
prepare schedules, and to perform contract administration for east one (1) project of at least 20
million dollars and two (2) projects of at least 10 million dollars each in value.

Name: _______________________________________________________________

**Project #8-1:**
Project Name: ________________________________
Start date: ____________________ Completion date: ____________________
Name and Address of Owner for Whom the Work was done:
____________________________________________________________________
____________________________________________________________________
Name of Owner’s Representative (for Reference): ____________________________
Owner’s Representative’s Telephone #: ____________________________________
Dollar Value of Contract: ________________________________________________

Description of work that demonstrates minimum experience requirements have been fulfilled:
____________________________________________________________________

____________________________________________________________________

Bidder’s Name: _______________________________________________________ 

The Port – PL6 
STATEMENT OF BIDDER’S QUALIFICATIONS
Issued for Bid 
00312-9
Bidder’s Name: __________________________________________________________

The Port – PL6 STATEMENT OF BIDDER’S QUALIFICATIONS
Issued for Bid 00312-10

Project #8-2:
Project Name: __________________________________________________________
Start date: ____________________    Completion date: _______________________
Name and Address of Owner for Whom the Work is being done:
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

Name of Owner’s Representative (for Reference): ________________________
Owner’s Representative’s Telephone #: _________________________________
Dollar Value of Contract : _________________________________

Description of work that demonstrates minimum experience requirements have been fulfilled:
_____________________________________________________________________
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Project #8-3
Project Name: __________________________________________________________
Start date: ____________________    Completion date: _______________________
Name and Address of Owner for Whom the Work is being done:
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

Name of Owner’s Representative (for Reference): ________________________
Owner’s Representative’s Telephone #: _________________________________
Dollar Value of Contract : _________________________________

Description of work that demonstrates minimum experience requirements have been fulfilled:
_____________________________________________________________________
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Bidder’s Name: _________________________________________________________
9. Qualification Requirement for Project Superintendent:
Provide the name of the Contractor’s a fulltime On-Site Superintendent that will be assigned to the proposed Contract. The Project Superintendent must have a minimum of 10 years construction experience similar in size, nature and complexity as the proposed project; demonstrated ability to manage at least one (1) project of at least 20 million dollars and two (2) projects of at least 10 million dollars each; manage construction budgets, schedule, and crew coordination; have demonstrated experience in traffic management in heavily traveled streets; have experience with community relations with local businesses and residents and has coordinated with utilities. Provide details on 3 projects on which the proposed person has worked as On-Site Superintendent and that demonstrate that these requirements have been fulfilled:

Name: _____________________________________________________________

Project #9-1:
Project Name: __________________________________________________________
Start date: ____________________ Completion date: _______________________
Name and Address of Owner for Whom the Work was done:
_____________________________________________________________________
_____________________________________________________________________
Name of Owner’s Representative (for Reference): ___________________________
Owner’s Representative’s Telephone #: _________________________________
Dollar Value of Contract : ________________________________________________

Description of work that demonstrates minimum experience requirements have been fulfilled:
_____________________________________________________________________
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Project #9-2:
Project Name: __________________________________________________________
Start date: ____________________ Completion date: _______________________
Name and Address of Owner for Whom the Work is being done:
_____________________________________________________________________
_____________________________________________________________________
Name of Owner’s Representative (for Reference): ___________________________
Owner’s Representative’s Telephone #: _________________________________
Dollar Value of Contract : ________________________________________________

Bidder’s Name: ________________________________________________________

The Port – PL6
STATEMENT OF BIDDER’S QUALIFICATIONS
Issued for Bid 00312-11
Description of work that demonstrates minimum experience requirements have been fulfilled:

______________________________________________________________________

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Project #9-3
Project Name: __________________________________________________________
Start date: _____________________ Completion date: ________________________
Name and Address of Owner for Whom the Work is being done:

______________________________________________________________________

Name of Owner’s Representative (for Reference): ____________________________
Owner’s Representative’s Telephone #: _________________________________
Dollar Value of Contract: ______________________________________________

Description of work that demonstrates minimum experience requirements have been fulfilled:

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

10. List all projects for which your organization has received a Notice of Intent to Award or a Notice to Proceed and that your organization expects to perform during the Years 2018 - 2020. Rank the list according to decreasing dollar value of work to be done in the Years 2018 -2020. On the following “TABLE OF PROJECTED WORK LOAD”, indicate the first 10 projects from that list and provide information on the name of the project, the type of project, owner of the project, dollar value of work, and the estimated completion date. Under Project No. 11 on the following TABLE, indicate the number of projects and the sum of the dollar value of work that you expect to perform in the Years 2018 - 2020 for all the remaining projects in the list.
### TABLE OF PROJECTED WORK LOAD

<table>
<thead>
<tr>
<th>Proj. No.</th>
<th>Name and Type of Project</th>
<th>Owner of Project</th>
<th>Dollar value of work to be done in YRs 2018 - 2020</th>
<th>Estimated Completion Date of Project</th>
</tr>
</thead>
<tbody>
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<tr>
<td>11</td>
<td>Enter the number of remaining project&gt;&gt;</td>
<td></td>
<td></td>
<td>Enter cumulative dollar value of remaining projects:</td>
</tr>
</tbody>
</table>

Bidder’s Name: ____________________________________

The Port – PL6

Issued for Bid

STATEMENT OF BIDDER’S QUALIFICATIONS

00312 -13
11. Describe equipment available for the performance of this contract by setting forth make, model and year, size, number, and type for each such piece of equipment (a) owned, (b) currently rented or (c) to be rented. Bidder must set forth description of all equipment it plans to use whether rented or owned.

(a) Owned

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

(b) Currently Rented

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

(c) To Be Rented

____________________________________________________________________
____________________________________________________________________

12. Background and experience of the principal members of your organization, including the officers.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
13. Give below the name and address of one or more banks which have information that would enable them to advise regarding the financial ability of your company.

<table>
<thead>
<tr>
<th>Name of Bank</th>
<th>Address</th>
<th>Telephone #</th>
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____________________________________________________________________

15. Name, Signature, and Title of officer preparing this proposal.

Name______________________________________________________________

Signature__________________________________________________________

Title________________________
16. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by the Cambridge Department of Public Works in verification of the recitals comprising this Statement of Bidder’s Qualifications.

Dated at ______________ this ______________ day of ______________, 20___

____________________________________________
(Signature)

Tel. No.___________________

BY_______________________________________
Title______________________________________

State of _____________________________)
County of _____________________________)

____________________________________________, being duly sworn,

deposes and says that he/she is ________________________________________________ of

____________________________________________

(Name of Organization)

and that the answers to the foregoing questions and all statements therein contained are true and correct.

Subscribed and sworn to before me this ______________ day of ______________, 20___

____________________________________________
(Notary Public)

My commission expires on _________________, 20___

- END OF SECTION 00312 -
SECTION 00313

GENERAL CONTRACTOR’S CERTIFICATION

A contractor will not be eligible for award of a contract unless such contractor has submitted the following certification, which is deemed a part of the resulting contract:

GENERAL CONTRACTOR'S CERTIFICATION

________________________________________________________________________

(General Contractor) certifies that:

1. it shall obtain from each of its subcontractors and submit to the contracting or administering agency prior to the performance of any work under said subcontract a certification by each subcontractor, regardless of tier, that it will comply with the Minority/Women/Resident workforce ratio;

2. it read, understands and shall comply with the Minority/Women/Resident hiring requirements set forth in the Cambridge Employment Plan, Cambridge Municipal Code §2.66.060, et seq.;

3. it is aware that failure to comply with the Cambridge Employment Plan will result in, at minimum, the following: 1) it will be ineligible to bid for future contracts with the City of Cambridge, and 2) the City of Cambridge will notify DCAM of such failure which may affect the contractor's future qualification to bid for public contracts throughout the Commonwealth;

4. it has read, understands and shall comply with all the pertinent provisions of the Americans with Disabilities Act and will be subject to sanctions for failure to do so;

5. it intends to use the following listed construction trades in the work under contract.

________________________________________________________________________

Signed under the penalties of perjury.

__________________________
Signature of authorized representative of contractor

__________________________
Print name of authorized representative of contractor

__________________________
Dated

Submit this form with your bid

The Port – PL6
Issued for Bid
Prior to the award of any subcontract, regardless of tier, the prospective subcontractor must execute and submit to the General Contractor the following certification, which will be deemed a part of the resulting subcontract:

**SUBCONTRACTOR'S CERTIFICATION**

______________________________ (Subcontractor) certifies that:

1. it will obtain from each of its subcontractors prior to the award of any subcontract under this subcontract the subcontractor certification required by these bid conditions;

2. it read, understands and shall comply with the Minority/Women/Resident hiring requirements set forth in Cambridge Municipal Code §2.66.060, et seq.;

3. it is aware that failure to comply with the Cambridge Employment Plan will result in, at minimum, the following: 1) it will be ineligible to bid for future contracts with the City of Cambridge, and 2) the City of Cambridge will notify DCAM of such failure which may affect the contractor's future qualification to bid for public contracts throughout the Commonwealth;

4. it has read, understands and shall comply with all the pertinent provisions of the Americans with Disabilities Act and will be subject to sanctions for failure to do so;

5. it intends to use the following listed construction trades in the work under contract.

______________________________

Signed under the penalty of perjury.

______________________________

Signature of authorized representative of subcontractor

______________________________

Print name of authorized representative of subcontractor

______________________________

Dated
In order to ensure that the subcontractor's certification becomes part of all subcontracts under the prime contract, no subcontract shall be executed until an authorized representative of the City agency (or agencies) administering this project or the Affirmative Action Officer has determined, in writing, that the said certification has been incorporated in such subcontract, regardless of tier. Any subcontract executed without such written approval shall be void.

END OF SECTION 00314
SECTION 00315
PROJECTED WORKFORCE CERTIFICATION

THIS FORM MUST BE SUBMITTED WITH YOUR BID

PROJECTED WORKFORCE CERTIFICATION

I, __________________________________________________________________________

Certify that the following is my projected workforce for this contract:

<table>
<thead>
<tr>
<th>GENERAL CONTRACTOR</th>
<th>ESTIMATED # OF NEW HIRES</th>
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<th>SUBTRADE</th>
<th>ESTIMATED # OF NEW HIRES</th>
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Signed under penalties of perjury,

______________________________
General Contractor
SECTION 00316
CREP GENERAL CONTRACTOR’S CERTIFICATION FORM
CAMBRIDGE RESPONSIBLE EMPLOYER PLAN
GENERAL CONTRACTOR’S CERTIFICATION - BID FORM

_______________________________________ hereby certifies that it, (Name of General Bidder)
and all its subcontractors who are not filed sub bidders shall:

(1) comply with the Cambridge Employment Plan as it currently exists and as it may be, from
time to time, amended, and specifically shall comply with the worker hours requirements of §2.66.060(A);

(2) comply with the obligations established under M.G.L. c.149 and G.L. c30§39M to pay the
appropriate lawful prevailing wage rates to its employees;

(3) maintain or participate in a bona fide apprentice training program as defined by c.23 §§ 11H
and 11I for each apprenticeable trade or occupation represented in its workforce that is approved
by the Division of Apprenticeship Training of the Department of Labor and Industries and shall abide
by the apprentice to journeymen ratio for each trade prescribed therein in the performance of the
contract;

(4) furnish, at its expense, hospitalization and medical benefits for all its employees employed on
the project and/or coverage at least comparable in value to the hospitalization and medical
benefits provided by the health and welfare plans in the applicable craft recognized by M.G.L.
c.149, §26 and G.L. c30§39M in establishing minimum wage rates;

(5) maintain appropriate industrial accident insurance coverage for all its employees employed on
the project in accordance with M.G.L. c.152;

(6) properly classify employees as employees rather than independent contractors and treat them
accordingly for purposes of workers' compensation insurance, unemployment taxes, social
security taxes and income tax withholding; and

(7) certify under oath and in writing on a weekly basis for the entire duration of its work on the
project, that it is in compliance with the above obligations.

Signed under the penalties of perjury. _____________ (date)

__________________________________________________
Signature of authorized representative of contractor

__________________________________________________
Print name of authorized representative of contractor

THIS CERTIFICATE APPLIES ONLY TO GENERAL BIDS OVER $100,000
INCLUDING ALL ALTERNATES, IF ANY.
RETURN THIS FORM WITH YOUR BID
SECTION 00320
CREP SUBCONTRACTOR CERTIFICATION FORM
CAMBRIDGE RESPONSIBLE EMPLOYER PLAN
NON-FILED SUB-CONTRACTOR'S CERTIFICATION - BID FORM

________________________ hereby certifies that it shall:

(Name of Sub-Contractor)

(1) comply with the Cambridge Employment Plan as it currently exists and as it may be, from
time to time, amended, and specifically shall comply with the worker hours requirements of
§2.66.060(A);

(2) comply with the obligations established under M.G.L. c.149 and G.L. c30§39M to pay the
appropriate lawful prevailing wage rates to its employees;

(3) maintain or participate in a bona fide apprentice training program as defined by c.23 §§ 11H
and 11I for each apprenticable trade or occupation represented in its workforce that is approved
by the Division of Apprentice Training of the Department of Labor and Industries and shall abide
by the apprentice to journeymen ratio for each trade prescribed therein in the performance of the
contract;

(4) furnish, at its expense, hospitalization and medical benefits for all its employees employed on
the project and/or coverage at least comparable in value to the hospitalization and medical
benefits provided by the health and welfare plans in the applicable craft recognized by M.G.L.
c.149, §26 and G.L. c30§39M in establishing minimum wage rates;

(5) maintain appropriate industrial accident insurance coverage for all its employees employed on
the project in accordance with M.G.L. c.152;

(6) properly classify employees as employees rather than independent contractors and treat them
accordingly for purposes of workers' compensation insurance, unemployment taxes, social
security taxes and income tax withholding; and

(7) certify under oath and in writing on a weekly basis for the entire duration of its work on the
project, that it is in compliance with the above obligations.

Signed under the penalties of perjury. ____________(date)

________________________
Signature of authorized representative of contractor

________________________
Print name of authorized representative of contractor

THIS CERTIFICATE APPLIES ONLY TO FILED SUBBIDS $25,000 AND OVER -
INCLUDING ALL ALTERNATES, IF ANY.

RETURN THIS FORM WITH YOUR BID
SECTION 00322
CORI COMPLIANCE FORM

CORI COMPLIANCE FORM

Persons and businesses supplying goods and/or services to the City of Cambridge (“Vendors”), who are required by law to perform CORI checks, are further required by Section 2.112.060 of the Cambridge Municipal Code to employ fair policies, practices and standards relating to the screening and identification of persons with criminal backgrounds through the CORI system. Such Vendors, when entering into contracts with the City of Cambridge, must affirm that their policies, practices and standards regarding CORI information are consistent with the policies, practices and standards employed by the City of Cambridge as set forth in the City of Cambridge CORI Policy (“CORI Policy”) attached hereto.

CERTIFICATION

The undersigned certifies under penalties of perjury that the Vendor employs CORI related policies, practices and standards that are consistent with the provisions of the attached CORI Policy. **All Vendors must check one of the three lines below.**

1. _______ CORI checks are not performed on any Applicants.

2. _______ CORI checks are performed on some or all Applicants. The Vendor, by affixing a signature below, affirms under penalties of perjury that its CORI policies, practices and standards are consistent with the policies, practices and standards set forth in the attached CORI Policy.

3. _______ CORI checks are performed on some or all Applicants. The Vendor’s CORI policies, practices and standards are not consistent with the attached CORI Policy. Please explain on a separate sheet of paper.

______________________________________________________________________________
(Typed or printed name of person signing quotation, bid or Proposal)  Signature

_____________________________________________
(Name of Business)

NOTE:
The City Manager, in his sole discretion may grant a waiver to any Vendor on a contract by contract basis.

Instructions for Completing CORI Compliance Form:
A Vendor should not check Line 1 unless it performs NO CORI checks on ANY applicant. A Vendor who checks Line 2 certifies that the Vendor’s CORI policy conforms to the policies, practices and standards set forth in the City’s CORI Policy. A Vendor with a CORI policy that does NOT conform to the City’s CORI Policy must check Line 3 and explain the reasons for its nonconformance in writing. Vendors, who check Line 3, will not be permitted to enter into contracts with the City, absent a waiver by the City Manager.

This form must be submitted with your bid
SECTION 00323
OSHA GENERAL CONTRACTOR CERTIFICATION FORM

Chapter 306 of the Acts of 2004
An Act Relative to the Health and Safety on Construction Projects

GENERAL CONTRACTOR'S CERTIFICATION - BID FORM

_______________________________________ (Name of General Bidder) hereby certifies that it, and all its subcontractors who are not filed sub bidders shall:

(1) who shall certify 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.

Signed under the penalties of perjury. ______________(date)

__________________________________________________
Signature of authorized representative of contractor

__________________________________________________
Print name of authorized representative of contractor

RETURN THIS FORM WITH YOUR BID
SECTION 00324
OSHA SUBCONTRACTOR CERTIFICATION FORM

Chapter 306 of the Acts of 2004
An Act Relative to the Health and Safety on Construction Projects

NON-FILED SUBBIDDERS CERTIFICATION - BID FORM

_______________________________________ (Name of Sub Bidder) hereby certifies that it,
and all its subcontractors who are not filed sub-bidders shall:

(1) who shall certify 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 a 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 each employee.

Signed under the penalties of perjury. ________________ (date)

______________________________
Signature of authorized representative of contractor

______________________________
Print name of authorized representative of contractor

RETURN THIS FORM WITH YOUR BID
The Act protects against discrimination on the basis of "disability", which is defined as a physical or mental impairment that substantially limits at least one "major life activity"; discrimination against a person having a history or has a record of such impairment; and discrimination against an individual regarded - even if inaccurately - as having such an impairment. The Act also expressly prohibits job discrimination that is based on an individual’s relationship or association with a disabled person.

The bidder shall not discriminate against any qualified employee or job applicant with a disability and will make the activities, programs and services covered by any contract awarded through this procurement readily accessible to and usable by individuals with disabilities. To be qualified for a job, or to avail oneself of the bidder’s services, the individual with the disability must meet the essential eligibility requirements for receipt of the bidder’s services or participation in the bidder’s programs or activities with or without: 1) reasonable modifications to the bidder’s rules, policies and practices; 2) removal of architectural, communication, or transportation barriers; or, 3) provisions of auxiliary aids and services.

By submitting its bid, the bidder certifies to the City of Cambridge that it understands and will comply with all applicable provisions of the Act, including compliance with applicable provisions of Section 504 of the Rehabilitation Act of 1973, if the bidder is receiving federal funds.

Date: ______________________________

(Print Name of person signing bid)
(Signature & Title)
MASSACHUSETTS DIESEL RETROFIT PROGRAM

STATEMENT OF INTENT TO COMPLY
This form must be signed and submitted by the bidder as part of the bid.

Local Governmental Unit

The City of Cambridge

Contract No.

Contact Title

The Port – PL6 Stormwater Storage Tank

Bidder

The undersigned, on behalf of the above-named Bidder, agrees that, if awarded the Contract:

1. the Bidder shall comply with the Department of Environmental Protection’s (“DEP”) Diesel Retrofit Program by ensuring that all diesel powered non-road construction equipment and vehicles greater than 50 brake horsepower which will be used in the performance of the work under the Contract are equipped or retrofitted with a pollution control device in accordance with the Diesel Retrofit Program Standard;

2. the Bidder shall require all Subcontractors to comply with DEP’s Diesel Retrofit Program by ensuring all diesel powered non-road construction equipment and vehicles greater than 50 brake horsepower which will be used in the performance of the work under the Contract are equipped or retrofitted with a pollution control device in accordance with the Diesel Retrofit Program Standard; and

3. The Bidder shall submit and shall require each Subcontractor to submit a Diesel Retrofit Program Contractor Certification (form attached) with a Diesel Retrofit List to DEP (John Felix, 6th Floor, MassDEP, One Winter Street, Boston, MA 02108) and the Bidder within 10 days of the bidder being notified that it has been awarded the Contract. The Bidder shall require each Subcontractor to update such Certification and List within 2 days of using additional Diesel Construction Equipment on the project under the Contract.

(Signature of Bidder’s Authorized Representative)  (Date)
 SECTION 00327

MASSACHUSETTS DIESEL RETROFIT PROGRAM

CONTRACTOR CERTIFICATION

Each Contractor and its Subcontractor(s) must sign and submit this form to John Felix, 6th Floor, MassDEP, One Winter Street, Boston, MA 02108 and the Municipality within 10 days after the Contractor is notified that it is awarded the Contract.

Local Governmental Unit The City of Cambridge SRF Project No. ____________

Contract No. ____________ Contact Title The Port – PL6 Stormwater Storage Tank

Contractor

I, _______________________________, an authorized signatory for ____________________, whose principal place of business is at ____________________________________________ do hereby certify that any and all diesel powered non-road construction equipment and vehicles greater than 50 brake horsepower which will be used in the performance of the work under the Contract (hereinafter “Diesel Construction Equipment”) have pollution control devices, such as oxidation catalysts or particulate filters, installed on the exhaust system side of the diesel combustion engine equipment in accordance with the Diesel Retrofit Program Standard.

I am submitting on behalf of ___________________________ a list of all said Diesel Construction Equipment, labeled “Diesel Retrofit List,” that will be used in connection with this Contract by ___________________________. I hereby certify that the information on the attached Diesel Retrofit List is correct and accurate as of the date of signature. The List includes the following information for each piece of Diesel Construction Equipment:

1. Equipment type, make, model;
2. Vehicle Identification Number or VIN;
3. Engine model and year of manufacture;
4. Engine HP rating;
5. Emission Control Device (“ECD”) type (Diesel Oxidation Catalyst or Diesel Particulate Filter);
6. ECD make, model, and manufacturer;
7. ECD EPA or CARB Verification Number or manufacturer’s certification that the DOC or DPF meets or exceeds emission reductions provided by similar emission control technology verified by EPA or CARB;
8. ECD installation date;
9. Type of fuel to be used; and
10. Whether the equipment is owned or rented.

_____________________ shall notify DEP within 48 hours of any new Diesel Construction Equipment brought onto the Contract site. _______________ shall maintain detailed records of all Diesel Construction Equipment used at the Contract site, including the dates and duration times the Diesel Construction Equipment is used at the Contract site. _______________ shall make such records available for inspection by DEP. _______________ shall ensure that the emissions control technology for each piece of Diesel Construction Equipment is operated, maintained, and serviced as
recommended by the manufacturer. ______________________ shall retrofit prior to the end of the Contract any Diesel Construction Equipment no longer exempt from meeting the Diesel Construction Equipment Standard under exemption 3 (because it had an engine that met the EPA particulate matter (PM) Tier emission standards currently in effect at the start of the Contract for non-road diesel engines for the applicable engine power group and such emissions standards were superseded during the Contract).

I acknowledge that this certificate is being furnished as a requirement under this Contract and is subject to applicable State and federal laws, both criminal and civil. Signed under pains and penalty of perjury on this date _______________________.

Signature_________________________________

Name:  ________________________________

Title:  _________________________________
SECTION 00328
WAGE THEFT PREVENTION CERTIFICATION

In Executive Order 2016-1, the City of Cambridge established requirements for City contracts in an effort to prevent wage theft. Prospective vendors must provide the following certifications or disclosures with their bids/proposals. Failure to provide the following shall result in rejection of the bid/proposal.

Instructions for this form:

A prospective vendor must check box 1 or box 2, as applicable, as well as boxes 3-5, and must sign this Form, certifying compliance with the requirements set out in this Form. This Form must be included with the bid or proposal, and for multi-year contracts must be completed annually on the contract anniversary and filed with the Purchasing Agent.

The undersigned certifies under the pains and penalties of perjury that the vendor is in compliance with the provisions of Executive Order 2016-1 as currently in effect.

All vendors must certify that [check either box 1 or box 2, as applicable]:

1. □ Neither this firm nor any prospective subcontractor has been subject to a federal or state criminal or civil judgment, administrative citation, final administrative determination, order or debarment resulting from a violation of G.L. c. 149, G.L. c. 151, or 29 U.S.C. 201 et seq. within three (3) years prior to the date of this bid/proposal submission.

OR

2. □ This firm, or a prospective subcontractor of this firm, has been subject to a federal or state criminal or civil judgment, administrative citation, final administrative determination, order or debarment resulting from a violation of G.L. c. 149, G.L. c. 151, or 29 U.S.C. 201 et seq. within three (3) years prior to the date of this bid/proposal submission and such documentation is included in the bid/proposal submission.

In addition, all vendors must certify each of the following:

3. □ Any federal or state criminal or civil judgment, administrative citation, final administrative determination, order or debarment resulting from a violation of G.L. c. 149, G.L. c. 151, or 29 U.S.C. 201 et seq. imposed on this firm or on any prospective subcontractor while any bid/proposal to the City is pending and, if awarded a contract, during the term of the contract, will be reported to the Purchasing Agent or other City department within five (5) days of receiving notice.
4. □ Vendors awarded a contract that have disclosed a federal or state criminal or civil judgment, administrative citation, final administrative determination, or order resulting from a violation of G.L. c. 149, G.L. c. 151, or 29 U.S.C. 201 et seq. within three (3) years prior to the date of this bid/proposal, while the bid/proposal was pending, or during the term of the contract shall, upon request, furnish their monthly certified payrolls for their City contract to the Purchasing Agent for all employees working on such contract and are required to obtain a wage bond or other suitable insurance in an amount equal to the aggregate of one year’s gross wages for all employees. Vendors subject to a state or federal debarment for violation of the above laws or prohibited from contracting with the Commonwealth are prohibited from contracting with the City, and upon a finding or order of debarment or prohibition, the City may terminate the contract.

5. □ Notice provided by the City, informing employees of the protections of Executive Order 2016-1 and applicable local, state, and federal law will be posted by this firm in conspicuous places.

Attested hereto under the pains and penalties of perjury:

__________________________           ______________________________
(Typed or printed name of person signing quotation, bid or proposal) Signature

__________________________
(Name of Business)

Pursuant to Executive Order 2016-1, vendors who have been awarded a contract with the City of Cambridge must post the Massachusetts Wage and Hour Laws notice informing employees of the protections of G.L. c. 149, G.L. c. 151, and 21 U.S.C. 201 et seq. in conspicuous places. This notice can be found at http://www.mass.gov/ago/docs/workplace/wage/wagehourposter.pdf

END OF SECTION 00328
PART 1 – GENERAL

1.1 SUMMARY

A. This section includes coordination with the railroad companies and related entities including the Massachusetts Bay Transportation Authority (MBTA), including meetings; flagman and engineering coordination; coordination of access to tunnels and stations; construction support; coordination of the diversion of pedestrian access; and compliance with regulations and schedules.

1.2 LIMITATIONS AND REQUIREMENTS

A. The Contractor shall review the MBTA Railroad Operations Directorate (May 1994) appended. The MBTA Directorate specification requirements shall govern all construction within MBTA zones of influence.

B. The Contractor shall be required to schedule all work, affecting the MBTA or its property, with the MBTA authorities and shall be subject to MBTA approval of the construction schedule.

C. All Contractor personnel who will be working on MBTA property shall complete the required MBTA training courses.

D. The Contractor shall be responsible for restoring all MBTA property and structures to their original condition and approved by the MBTA.

E. The Contractor shall schedule and perform work within the MBTA tunnel and stations during periods of normal, overnight shutdown for the MBTA and without interference with the normal operations of the MBTA. The Contractor shall coordinate work and work schedules inside the MBTA tunnel and stations with the MBTA.

1.3 SUBMITTALS

A. General: Submit the following in accordance with the General Conditions of the Contract and Section 01300 – SUBMITTALS:

1. MBTA Tunnel Work Plan. The work plan shall include all schedules, labor and equipment, means and methods and contingencies for: the auger bored casing pipe, including contact grouting the annulus and voids outside the casing pipe, compensation grouting, and geotechnical instrumentation and monitoring; construction of the launching and receiving shafts; and installation of the pipe work within the tunnel.
casing pipe. The CPM schedule and work plan shall be subject to review and approval by the MBTA. The plan shall be submitted within 60 days of the issuance of the Notice to Proceed and a minimum of 30 days prior to beginning work on or within tunnel.

2. Submit monthly CMP schedule updates to the Design & Construction Representative.

1.4 CONTRACTOR / RAILROAD COORDINATION & MEETINGS

A. Coordinate scheduling, submittals, and meetings to assure efficient and orderly sequence of installation of construction elements affecting the MBTA without causing delays to the construction. The Contractor shall be required to attend all meetings concerning MBTA coordination.

B. The Contractor shall be required to coordinate and schedule flagmen, inspectors and access to the tunnel area and stations.

C. Contractor shall hold a preconstruction conference with MBTA officials.

1.5 MBTA NOTICE

A. All notices regarding work on or around the MBTA Red Line tunnel shall be made to the following, unless otherwise noted or directed:

Massachusetts Bay Transportation Authority
Real Estate Department
10 Park Plaza, Room 5720
Boston, Massachusetts 02116
Attn: Chief of MBTA Real Estate

and Massachusetts Bay Transportation Authority
Rail and Transit Division
Attn: Chris Shea, Division Chief Light-Rail Operations

and MBTA Capital Delivery Department
100 Summer Street – 12th Floor
Boston, Massachusetts 02143
Attn: Assistant General Manager

And DESIGNATED REPRESENTATIVE:
Massachusetts Realty Group
20 Park Plaza, Suite 1120
Boston, Massachusetts 02116
Attn: MBTA License Management

B. All notices, demands, requests, consents, approvals and other instruments required or permitted to be given pursuant to the terms hereof, shall be in
writing and shall be deemed to have been properly given when deposited in registered or certified United States mail, postage prepaid, return receipt requested, addressed, as described or when delivered by messenger or overnight mail service to the correct addressee. Notice shall be deemed received when actually received or when the proffered Notice has been refused by the Addressee. The signature of an employee, servant or agent of the Addressee shall be determinative on the issue of actual receipt.

### 1.6 REQUIREMENTS OF LICENSE

A. The MBTA shall receive a copy of all submittals for review prior to start of construction.

B. The MBTA is to be notified in writing of all construction meetings and given the opportunity to attend the meeting. Agendas and minutes of the meetings will be submitted to the MBTA within one week of the close of the meeting.

C. The MBTA shall have full access to the construction monitoring data and shall receive copies of raw data and monitoring reports at the same time as the City of Cambridge receives theirs.

D. The MBTA shall have full access to the contractor’s construction records of soil removed from the tunnel versus the theoretical volume of soil occupying that section of tunnel volume.

E. No advance of the tunnel casing pipe within an envelope of 5-feet outside the tunnel structure is permitted without written authorization of the MBTA.

F. Prior to start tunneling, contractor shall submit a mitigation plan for compensation grouting under the Red Line Tunnel structure.

G. The tunnel advance under the Red Line tunnel structure is contingent on the contractor’s successful record of workmanship in advancing the tunnel and meeting all threshold movement criteria within acceptable limits.

H. Ground movements, as measured by instrumentation shall not exceed the limits specified in Section 02315 - Geotechnical Instrumentation and Monitoring.

I. All soils removed from within the right-of-way of the MBTA’s Red Line Tunnel shall be legally disposed of by the City of Cambridge’s contractor with documentation of the disposal location submitted to the MBTA upon completion.

J. The Contractor, shall be responsible to adhere to all requirements and stipulations set forth in the MBTA license agreement “License For Entry MBTA 15316” dated March 5, 2018 as included in Appendix D of these contract documents.

PART 2 – PRODUCTS (Not Used)
PART 3 – EXECUTION

3.1 GENERAL

A. All temporary construction methods used for the installation of the casing pipe and receiving shaft; grouting or other ground support; geotechnical instrumentation and monitoring; and modifications shall be approved by the MBTA and shall be removed completely after the completion of the Work.

B. Any damage to the tunnel caused by the Contractor shall be repaired to existing or better condition at no additional cost to the Owner and as accepted by the MBTA.

C. Excavations and borings for the receiving shaft, along the alignment of the tunnel drive, or otherwise within 20 ft of the MBTA Red Line must be in the presence of MBTA Design & Construction Representative or MBTA Structural Engineer, and must be coordinated with the MBTA Power Department and Design & Construction Representative. All work within 20 ft of the MBTA Red Line including but not limited to installation of instrumentation, borings and excavations must be approved in writing in advance by MBTA.

D. All excavations down to the surface of the tunnel roof must be inspected by MBTA prior to backfilling.

E. The Contractor shall perform a pre-construction and post-construction MBTA tunnel surveys in accordance with Section 01390 Pre Construction Survey.

PART 4 – COMPENSATION
(Not used)

END OF SECTION 01900