



TOWN OF PLYMOUTH

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ADDENDUM 1

TO: Potential Bidders

FROM: Pamela D. Hagler, Procurement Officer

DATE: August 30, 2016

RE: 21615, Water Street Promenade-Southern Section

This addendum, consisting of nine (9) pages, modifies the original bid document dated August 11, 2016. Please acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

THE FOLLOWING CHANGES AND/OR ADDITIONS/DELETIONS MODIFIES THE BID DOCUMENT

Section 1 Responses to Questions submitted by IW Harding 8/24/2016

Q1A. Does the health and safety officer only have to be on site when we are handling contaminated soils?

Response: As indicated under Item 180.2, all construction activities that require handling or exposure to contaminated and potentially hazardous materials must have a designated On-Site Health & Safety Officer (HSO). While the H&S Plan must be prepared and stamped by a qualified environmental professional, as defined under Item 180.1, the On-Site HSO is typically a reliable (On-Site) individual designated by the Contractor, who is responsible for its implementation.

Q1B. Can item 180.2: Implementation of Health and Safety Plan be changed from Lump Sum to an hourly cost? Since the contamination is more or less unknown it is impossible to figure out how long we will need a health and safety officer on site.

Response: Implementation of the H&S Plan is largely incidental to the performance of the site work, since contaminated or potentially hazardous materials could be encountered at any time. Therefore, the duties of the HSO are somewhat routine, and they do not warrant

separate payment under an hourly rate. Also see response to Q1 for further definition of the On-site HSO.

- Q2. Who is responsible for providing LSP services? One section states “If necessary, Engineer will provide any required LSP services related to the contamination.” Another section states “The Town will be responsible for hiring a LSP, if needed, for sampling, soil characterizing, preparation of Bills of Lading and any MCP submittals.” A third section states “The Contractor shall be responsible for hiring a LSP and all ancillary professional services including laboratories as needed for this work.” With three different entities hiring an LSP this seems very redundant and costly for the Town.

Response: First of all, the Engineer’s LSP and the Town’s LSP are one in the same and will have the responsibilities enumerated above and in the bidding documents. The roles of the Town’s/Engineer’s LSP and the Contractor’s LSPs are as follows:

- ***Town’s LSP is responsible for guiding the overall MCP process, including sampling and analyzing “suspect soil” for selected contaminants, MassDEP notification (if required), designating “suspect” soil as either “unregulated” or “regulated” soil, characterizing soils for off-site management at one or more of the Contractor’s off-site management location(s) and assisting Contractor and Contractor’s LSP with decisions related to the on and off-site management of “unregulated” and “regulated” soils.***
- ***Contractor’s LSP is responsible for coordinating all activities related to the off-site management of excess construction soils (unregulated and regulated), including but not limited to: “obtaining all permits, approval, manifests, waste profiles, Bills of Lading, etc., subject to approval of the Engineer prior to removal of such soils from the site” under Items 181.11, 181.12 and 181.13. Costs for Contractor’s LSP services are to be included in the unit rate bid for off-site management of unregulated and regulated soil under the respective items.***

- Q4. What is item 151: Gravel Borrow for? It appears that gravel is incidental to every item where it would be required for a subbase so is this only to replace unsuitable material below grade?

Response: Item 151, Gravel Borrow is for full depth/box widening in roadway areas, where additional gravel is required due to grade changes and replacement of existing material not suitable for sub base as determined by the Engineer. Also it shall be used for utility trenches as shown on Detail Sheet 12, if trench material is not suitable for backfill, as determined by the Engineer.

- Q5. Is there an existing gravel subbase that can be reused? You have made excavation and gravel incidental to all of the streetscape items so if we can reuse an existing gravel base it would save money. Typically excavation and gravel are separate items due to the unknown condition of the subbase. If they are separate then the Town only pays for them as they are necessary, but with them being incidental the Town will have to pay regardless of whether the work gets done or not as I have to bid the items as worst case scenarios excavating all of the subbase and replacing with gravel.

Response: Where existing subbase materials below streetscape/sidewalk items are deemed suitable by Engineer, Contractor may re-use them. No Payment shall be made under Item 151 for these areas, unless the existing sub base material is deemed unsuitable for reuse by the Engineer. Reuse of suitable borrow material will be considered incidental of the various items of this project.

- Q6. Item 706.18: Monument Paver in Roadway says to use the monument pavers as specified in item 707.17. There is no item 707.17. Is this supposed to be item 706.16?

Response: Yes, reference should read Item 706.16 not 706.17

- Q7. For item 656: Helical Anchor, how many piles should this be based on? There is a note on the plans that says the proposed bridge will be provided by the engineer post bid. This item is impossible to quote without knowing what you want. Depending how many piles go into this, the price can vary.

Response: The bid quantity of 40 FT for Item 656. is based upon four (4) helical anchors, each installed to a depth of 10 ft. at the west abutment, as stated in Item 904. Previously taken borings by the Town are attached to this Addendum.

- Q8. Can the last page of Appendix B showing the borings be blown up? It looks like it was originally on 24"x36" paper and shrunk to 8.5"x11" so it is impossible to read.

Response: Enlargeable copy of sheet attached.

Section 2 Responses to RFI #1 by P.A. Landers 8/24/2016

- Q1. On Page 3 of the Invitation to Bid, under the Table of Contents, there is listed APPENDIX E: DCR ACCESS PERMIT (to be issued).

Page 4 of the Invitation to Bid, Section A., Second and Third Paragraphs state ;“The work shall also include the demolition and removal of an existing footbridge in Brewster Gardens, the installation of a helical pile supported foundation and the furnishing and installing of a prefabricated footbridge with related site work.

A portion of the work is located on DCR’s Pilgrim Memorial State Park, which abuts a portion of the length of the project on the easterly side of Water Street. The Town has obtained easements and has applied for an Access Permit from the DCR for this work.

The potential requirements of this Access Permit, i.e. work hours, staging areas, construction access route(s), delivery access, loading zones, signage, pedestrian access, restoration, etc. may not only affect the costs of the work, but may also affect the timing and methodology of how the work is done.

The requirements of this Permit are indeterminate, and cannot possibly be enumerated by the Bidding Contractors. How is the bidding contractor supposed to determine the costs associated with this permit??

Response: The Contractor shall be required to meet with the requirements of the issued Access Permit, without any additional compensation.

- Q2. Appendix B Pavement Cores/Soils, the Last Page contains Boring Results which are not legible, and contain results of only (2) Borings, not the (4) denoted in this Appendix. Please forward a legible copy of all the Borings.

Response: Enlarged copy of sheet attached. Please note the (4) noted in the question refers to the cores of which there are four. The borings, of which there are 2 (taken by Nobis as part of by a previous Town project) where provided for bidder information and are what are shown on the attached enlarged plan.

Also, attached to this addendum are previous borings taken by the Town at the Brewster Gardens Footbridge

- Q3. On Page 8 of the Invitation to Bid, under Section 4.a., it states “Prevailing Wage Rates will be updated annually; however the contractor shall not be entitled to any additional compensation on account of any adjustments in such rates.” TOWN

The Prevailing Wage Rates attached to the Bid have some classes of work, i.e. 2, 3, 4&5 Axle Driver, Laborer that contain Effective Dates only to 12/01/2016.

We cannot possibly project the Wage Updates for classes of work that do not have Effective Dates to the end of the project.

Is it possible to for the Town to request another Wage Rate listing, defining the construction period ? Or could the adjustment in the Wage Rates be handled on a case – by case basis, as the Wage Rate listing in the Bid is the Basis of Bid ?

The Department of Labor Standards has been contacted. The current agreement for the Laborers’ District Council expires December 1, 2016. Once the signed agreement has been received by the Department of Labor Standards, prevailing wage rates will be re-issued.

- Q4. There are no Existing Bridge Plans & Bridge Design Plans for Item 995.01 Pre – Fabricated Footbridge.

Response: The Contractor is encouraged to visit the site to review the existing footbridge and the utilities to be removed and reinstalled. Item 995.01 provides the model (Woodland) and other information needed by the selected manufacturer (EnWood Structures) to provide a quote for the footbridge.

UnderItem 656. Helical Anchor, the quantity is for 40 FT, but the actual number of Helical Anchors is unknown.

Response: The bid quantity of 40 FT for Item 656. is based upon four (4) helical anchors, each installed to a depth of 10 ft. at the west abutment, as stated in Item 904.

Conversely, under Item 656.14 Pile Load Test On Helical Anchor, the number of Anchors to be tested is unknown.

Response: One (1) compression load test is to be performed as stated under Item 656.14 and is within the Bid Form as Item 656.14.

Further, on the EnWood Structures Website, under Standard Specifications Pedestrian & Light Vehicular Bridges THE WOODLAND, in the section on Foundations:, it states “Enwood Structures can provide foundation designs as an option if all pertinent soil data is supplied.” There are no Drawings of THE WOODLAND Bridge on the EnWood Website. Further, We have contacted Enwood Structures, and they do not design Helical Pile Foundations, only Concrete Abutments.

Response: As stated under Item 904. “the layout and details of the abutments will be provided by the Engineer at a later time, but will consist of cast-in-place concrete stub abutments.” It is anticipated the abutments will be similar in nature to MassDOT’s Typical Stub Abutment Section, as shown on attached Drawing 3.1.3 from MassDOT ‘s LRFD Bridge Manual. This drawing has been provided for information only as the actual abutment layout and details will be provided at a later time.

We have also contacted some Pile Driving Contractors, who are perplexed as to how to price the Helical Piles without a design.

Response: Item 656. requires the Contractor to design the helical piles based on the loading provided. The location of two borings shown on Sheet 17 of 85 were performed by the Town in 2014. The Boring Logs (Weidlinger) have been attached for information. It is believed Boring B-1 was taken in the vicinity of the west abutment and Boring B-2 in the vicinity of the east abutment.

In the Technical Specifications for Item 995.01, it states “Post bid, the Engineer will develop a proposed profile of the new bridge prior to construction and in concert with the manufacturer. The new bridge shall be curved with the bottom cord no lower in elevation than the existing bridge and with deck surface that is compliant with ADA requirements.”

Also, it states “The work shall include the demolition, removal and discarding of the existing bridge. The existing bridge carries an irrigation line and power line located under the bridge. The Contractor shall be required to reinstall these under the new bridge.”

Therefore, there is the following, unknown Data ;

- A. No Detail on the Existing Bridge Construction for Demolition, & Removal of Irrigation/Power Lines.

Response: The Contractor is encouraged to visit the site to review the existing footbridge and the utilities to be removed and reinstalled. As stated under 995.01, the lump sum includes the handling and reinstalling of irrigation and power lines

B. Quantity of Helical Anchors, and attachment method to the Footbridge.

Response: Item 656. is based upon four (4) helical anchors, each installed to a depth of 10 ft. at the west abutment, as stated in Item 904.

C. Bridge Construction Plans for the new Footbridge.

Response: Item 995.01 provides the model (Woodland) and other design and other information needed by the selected manufacturer (EnWood Structures) to provide a quote for the footbridge.

D. Bridge Construction Details showing the Curvature, Dimensions, Location.

Response: See response to question above.

E. Bridge Construction Details showing Attachment for the Existing Irrigation and Power Lines. Due to the aforementioned, unknown Data, We respectfully request that either the required Data be forwarded to properly price the Footbridge, or this Item be established as a Fixed Allowance, or removed from the Project.

Response: No changes to the bid items will be made. As stated under 995.01, the lump sum includes the handling and reinstalling of irrigation and power lines

Q5. Page 02500-55 of the Special Provisions mentions Temporary Fence.

What type of Temporary Fence will be used? Where will this fence be used?

Response: This is a Contractor option and dependent upon the nature of the work being isolated. The type of fencing used is to be suitable for either protecting the work or protecting pedestrians from the work. See the Temporary Fencing provision in the specifications.

Q6. Page 14 of the Construction Plans denotes R & R Iron Range (Item 101.15). Please elaborate on this item of work, and are there any Construction Details that can be forwarded for same.

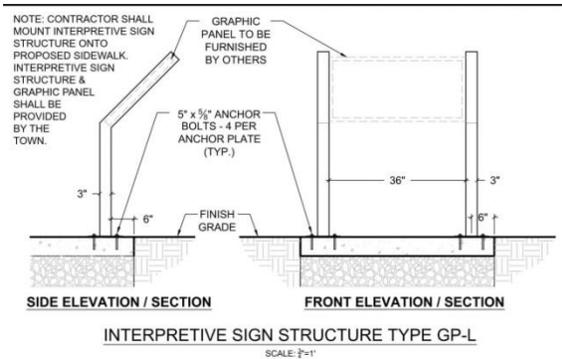
Response: Here is a photo of the Iron Ranger (blue colored object)



Q7. Under Item 101.15 Site Preparation of the Construction Specifications , the Work listing includes Installing the interpretative sign structure at Union Street Plaza.

We cannot find a Construction Detail on the Plans showing the structure and its installation methods and materials.

Response: The Interpretative Sign Structure will be provided to the Contractor by the Town. Reference is made to Sheet 55 of 85 for the location (Union Street Plaza). As noted on this plan, the sign structure will be surface mounted to the proposed sidewalk. See attached image of the structure.



- Q8. Item 151. Gravel Borrow of the Construction Specifications includes compaction testing. The Pavement Notes on Sheet 5 denote 4" Dense Graded Crushed Stone over Existing Suitable Subbase.

If Existing Subbase is Not Suitable, and additional Gravel Borrow is used, how will payment for the unknown, additional Compaction tests be handled?

Please identify the frequency and locations of tests required, so that costs thereof can be developed.

Response: If existing sub base material is found to be unsuitable as determined by the Engineer, then Item 151 will be used to compensate the Contractor for furnishing and installing gravel borrow. The number of tests that will be required will largely depend on the Contractor's performance. The Contractor shall be required to demonstrate that his compaction process is adequate. See Testing Provision on page 02500-16.

- Q9. The Hot Mix Asphalt Walk Surface of Item 702. Hot Mix Asphalt Drive & Walk Surface is not listed under the Pavement Notes on Sheet 5.

Please identify the Construction profile of the Hot Mix Asphalt Walk.

Response: Profile for Hot Mix Asphalt Sidewalk shall be: 2 1/2" HMA Top Course (placed in 2 equal layers) over 8" Grave Borrow Type b or combination of existing suitable sub base as approved by the Engineer. Refer to MassDOT Standard Specifications.

- Q10. On Sheet 11, The Precast Concrete Water Quality Inlet Detail shows Base Elevations of -0.8, -1.4 for WQI 1, WQI 2 respectively.

It appears these Base Elevations may approach -2.18, -2.68 respectively.

Also, the Rim – Inv. Elevations are between 4.85' – 4.9', and the Detail shows the adjustment for the castings at 1.5' max.

Is there any Subsurface Data & Hydrologic information at the locations of the Water Quality Inlets? Please advise.

Response: It is noted that the inverts of the pipes will not be at the top of the structure as the Contractor may be alluding to; rather, the Contractor will have to core/cast inlet and outlets at appropriate elevation as shown on the plans. See Appendix B for available subsurface information.

- Q11. We are concerned about the condition of the existing Stone Retaining Wall against Coles Hill. Sections of this Wall have a negative batter towards the roadway, and open joints/voids in the stonework that may lend itself to collapse of some of the stones upon removal and construction of the proposed Concrete Sidewalk. AREK

Please advise in this respect.

Response: Contractor Work shall be in accordance the requirements of Sheet 5, General Note 25.

- Q12. The Special Provisions under Construction Sequencing denotes Work Area 1 – 4. The Temporary Traffic Control Plans denote Work Area 1 – 3. Please clarify.

Response: Both are correct. There are 3 Work Areas, as shown on the Temporary Traffic Control Plan, See Sheet 40 of 85. These are the physical locations along the project. The Special Provisions outlines 4 Work Phases, which are more related to time frame and nature of the work.

- Q13. On Sheet 53 in the Brick paver Accent Band Along Leyden Street, a Half Paver Square Pattern at all Junctions is shown. Please identify such Junctions.

Response: Half Paver Square Pattern occurs six times at two locations.

1. At Leyden St Plaza, there are two instances along the straight run of soldier course along the existing conditions at the back of the paver field. The Half Paver Squares terminate the soldier course before it meets the running bond pattern in the corners. This can be seen on Sheet 53.

2. At Brewster Gardens Gateway, there are four instances where the double soldier courses running perpendicular to the curb line meet the double soldier courses running along the back of sidewalk, again these terminate the soldier courses. This can be seen on Sheet 54.

Q14. On Sheet 50, Section C, E, F show either (2) rows of Rebar, or (3). Please clarify number of rows.

Response: A third row of steel reinforcement is only required at the construction joint locations as depicted in Sections C and F. Note that Section C does not show the termination of this third row on the right hand side, but the intent is to terminate this bar at its development length beyond the construction joint. Section E depicts an expansion joint and therefore no third row of steel reinforcement is required across the joint.

Q15. On page 2550-117 of the Construction Specifications, the Monument Pavers for Roadway are as specified under Item 707.17.

Should this be as specified under Item 706.16?

Response: Yes Reference should read Item 706.16 not Item 706.17

Q16. Under Item 706.69 Granite Bollard Base, is the 9-1/2" - 12" Thick Concrete Slabs under the Base, as shown on the Site Improvement Details included, or is this Concrete Base included under the Concrete Pavers and Granite Accent Bands?

Response: See Items 707.81 and 707.82 (Bollards) for payment. This states that 4 inches of the base is paid for under the appropriate surface treatment with the remaining specified thickness paid for under these Bollard items.

Section 2 Responses to RFI #2 by P.A. Landers 8/25/2016

Q1 The Construction Specifications for the Ornamental Bollards specifies 5/6" Bollard Chain. The Plans specify 3/4" Bollard Chain.

Please clarify.

Response: Chain should be 3/8" proof coils HD Galv. and painted to match bollards.

Q2 Item 709.22 Granite Block Wall Repair at Coles Hill is Lump Sum. The Specification mentions replacement of Blocks, Crushed Stone, Filter Fabric, and Parging.

Please verify that this Repair is only for a 4 - Foot Section of this Wall.

Response: Correct