

TOWN OF AYER, MASSACHUSETTS

**ADDENDUM NO. 1**

FOR

19DPW09  
WEST MAIN STREET OVER NONACOICUS BROOK  
BRIDGE REPLACEMENT PROJECT

**September 29, 2020**

This addendum modifies, amends and supplements designated parts of the Contract Documents for the “19DPW09 – West Main Street over Nonacoicus Brook Bridge Replacement” project and is hereby made a part thereof by reference and shall be as binding as though inserted in its entirety in the locations designated hereunder. No claim for additional compensation due to the lack of knowledge of the contents of this Addendum will be considered.

The attention of all bidders submitting proposals for the above subject project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or clarifications are all to be included in and form a part of the proposal submitted.

THE NUMBER OF THIS ADDENDUM (**NO. 1**) MUST BE ENTERED IN THE APPROPRIATE SPACE PROVIDED IN THE CONTRACT DOCUMENT. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.

Q: Regarding the Bid Form (Page 00300-4) first paragraph states that the liquidated damages will be \$500 per day. Yet, the Agreement (Page 00510-2) states that the liquidated damages will be \$1,000 per day. Can you please clarify which is correct?

A: *Liquidated damages shall be \$1,000 per day.*

Q: Where the plans/specs are located for this project?

A: *Contract documents are available for download via project hosting service, <https://www.accentblueprints.com> and the Town of Ayer official website, <https://www.ayer.ma.us/bids>. Applicant will be added to the project plan holders list when documents are downloaded.*

Q: The bid bond form included in the bid is not standard, as it does not contain the differential limit.

A: *Direct bonding agents to use standard AIA Bid Bond form.*

Q: There does not appear to be details for the portion of the closure pour that spans the river (not the wall section). Please provide details for this closure pour.

*A: Please refer to Detail 3 on sheet 15 of 19 of the bridge drawings. Note 4 of Detail 3 indicates that the rigid frame leg is shown, and a similar detail shall be used for the top slab. The reinforcing steel shown in the detail is the minimum required and actual reinforcing steel shall be determined by the Fabricator.*

Q: It is highly unusual to ask the contractor to design lengths and strengths of a sheet pile cofferdam and it is typically provided in the bid docs.

*A: Steel sheeting is necessary for both temporary support of excavation and for permanent scour protection. The depth of temporary excavation, and the construction loads to be supported by the sheeting, are dependent on the Contractor's approach to the project and are likely to vary between prospective bidders. Similarly, design of the permanent steel sheeting allows the Contractor to design and utilize sections that are readily available to them.*

Q: For the contractor to assume design responsibility, the pile driving's engineer will need to start from scratch. The scour design will need to support the entire bridge and will be time consuming and expensive. Bidders would need to spend a considerable amount of time and money to be able to bid this work responsibly.

*A: It is anticipated that the Contractor will use the calculated depth of scour included in the contract documents (refer to Special Provision 953.), which has been reviewed and approved by MassDOT; it is not anticipated to be necessary to reperform the scour design. Please review the plans and contract specifications for other notes and assumptions related to the temporary and permanent sheeting.*

Q: The sheet pile scour design will require very long sheet pile with a very robust section properties.

*A: Noted.*

Q: The U-shaped sheet pile walls will not protect the open ends and will be susceptible to erosion.

*A: The cast-in-place rigid frame and wingwall footings are to be cast against the permanent steel sheeting with partially grouted riprap above the footing to further armor against scour attack. The bottom of footing elevation at the ends of the u-back wingwalls, where the sheeting terminates, is below the calculated depth of scour due to the sloping roadway embankment. Additionally, the embankment elevation at the end of the sheeting is above the 100-year flood elevation.*



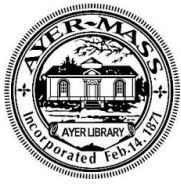
# SIGN IN SHEET

Project: West Main Street over the Nonacoicus Brook

Date: 09/18/2020

Meeting Description: Pre-Bid Meeting

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Kristopher Surette	WorldTech Engineering	KSurette@worldtecheng.com	(781) 933-4800



**Pre-Bid Meeting  
West Main Street over the Nonacoicus Brook  
Town of Ayer**

**September 18, 2020**

**Meeting Agenda**

**I INTRODUCTIONS**

- Mark Wetzel, Town of Ayer DPW Superintendent
- Dan Van Schalkwyk, Town Engineer
- Kristopher Surette, WorldTech Engineering
- Aaron Lachance, Hoyle Tanner & Associates, Inc.

**II PROJECT SCOPE**

- Overview of Proposed Improvements
- Regulatory Permits
- Staging Area

**III BIDDING REQUIREMENTS**

- MassDOT Prequalification – Bridge Construction
  - Bids from Contractors not listed on the Prequalification List will not be opened
- Submittal of Bid
  - Bid Form in its entirety
  - Required Bid Security
  - Required Experience Statement
- Bids due to the Town of Ayer DPW, 25 Brook Street, Ayer, MA by October 7, 2020 at 1:00 PM
  - Bid Opening will be recorded and sent to list of plan holders

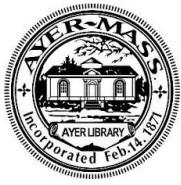
**IV SPECIAL REQUIREMENTS / CONDITIONS**

- Funding
  - Portion of project funded through the MassDOT Small Bridge Program
- Work Hours
  - 7:30 AM to 5:00 PM - Monday through Friday

**V TRAFFIC CONTROL**

- Staged Construction
  - Maintain one lane of traffic at all times
- Traffic Control Plan included as part of Contract Documents
  - Deviations from Traffic Control Plan shall be submitted for review and approval
- Communication with Police and Fire Departments

*OVER*



**Pre-Bid Meeting  
West Main Street over the Nonacoicus Brook  
Town of Ayer**

**September 18, 2020**

**Meeting Agenda (cont.)**

**VI UTILITY COORDINATION**

- Utility Coordination Contacts Listed in Bid Book
  - National Grid (Electric) – Overhead Wires and Utility Poles, as needed
  - National Grid (Gas) – 8-inch diameter transmission main, 4-inch diameter distribution main
  - Verizon (Communication) – 12 4-inch PVC telecommunication ducts
  - Town of Ayer (Sewer & Water) – 10-inch diameter sewer and 12-inch diameter water main
    - Within hydraulic opening of structure
    - Contract Items
- Contractor shall be responsible for continuing to coordinate temporary / permanent utility relocations upon issuance of Notice to Proceed (NTP)

**VII CONSTRUCTION SCHEDULE**

- Phase I Notice to Proceed (November 2020)
  - Shop Drawings / Contractor Submittals
  - Utility Coordination
- Phase II Notice to Proceed (March 2021)
  - Contractor allowed to take site
- Stage 1 Completion Requirements
  - North side of bridge open to one-way alternating traffic, permanent bridge rail (north side) shall be in place, and bridge shall be paved with temporary asphalt

**VIII ADDENDUM**

- All questions shall be submitted to Mark Wetzel – Town of Ayer DPW Superintendent via email
- Requests must be received by the Town of Ayer DPW Superintendent at least 10 working days prior to the date bids are due (9/23/2020)
- An addendum will be issued, addressing questions and inquires submitted to the DPW
- Addendum will be issued via project hosting service and Town of Ayer webpage
  - All addendum shall be acknowledged within the bid package

**IX QUESTIONS / SITE VISIT (OPTIONAL)**

- Site Visit
  - Parking available along Union Street

*END*

# 20200918 Ayer - West Main Street Pre-Bid Meeting

Friday, September 25, 2020 3:42 PM



**Meeting Date:** 9/18/2020 1:00 PM

**Location:** 25 Brook St (25 Brook St, Ayer, Massachusetts 01432)

## Agenda

- Pre-Bid Meeting with Contractors outside of DPW
- Site Walk

## Participants

- [Kris Surette](#) (Meeting Organizer)
- [Aaron Lachance](#) (Accepted in Outlook)
- [Mark Wetzel](#)
- [Dan Van Schalkwyk](#)

## Meeting Notes:

*Headings listed below correspond to respective topics from the September 18, 2020 Pre-Bid Meeting Agenda*

### III BIDDING REQUIREMENTS

- Ayer DPW will also broadcast bid opening via Zoom Meeting
  - Link will be sent out to all plan holders prior to the Bid Opening

### IV SPECIAL REQUIREMENTS / CONDITIONS

- All required contractor submittals shall follow standards and procedures set forth in the MassDOT Bridge Manual
- Town will permit Saturday work, on a case-by-case basis, given proper advance notice

### V TRAFFIC CONTROL

- Contractor shall submit Traffic Management Plan(s) as a Shop Drawing for review and approval if there are deviations from the details outlined in the Contract Documents
- Adjacent MassDOT TIP Project (607902) - Reconstruction of Main Street
  - Work will disrupt traffic along East Main Street
  - Construction set to begin Fall 2020

### VI UTILITY COORDINATION

- National Grid (Gas)
  - 4-inch diameter distribution main can go offline outside of the home heating season
  - Utility provider to support 8-inch transmission main during construction
- Verizon
  - 12 4-inch PVC conduits shall be supported during construction by Verizon
- National Grid (Electric)
  - National Grid relocated utility poles on the northside of the existing structure (as shown within Contract Documents)

- Location of permanent utility poles will complicate installation of precast structure
- Municipal (Sewer)
  - Contractor shall submit temporary bypass plan for approval by the Town / Engineer
    - Or submit temporary support system for review / approval
- Municipal (Water Distribution)
  - Ayer DPW discussed potential to backfeed system from Devens
  - Contractor shall assume temporary water is required for bidding purposes

## VII CONSTRUCTION SCHEDULE

- Construction staging sequence is predicated on work impacting the 4-inch diameter gas distribution main will take place outside of the home heating season restrictions
- Dewatering
  - Potential to regulate flow of Nonacoicus Brook via the outlet at Plow Shop Pond
  - Town of Ayer has good relationship with the Owner and can facilitate coordination efforts
- Contract assumes 450 calendar days from Phase I Notice to Proceed
- Town to coordinate agreements / easements with abutters, as needed

## QUESTIONS

- *Can the construction phases shown within the Contract Documents be swapped?*
  - *Likely yes, as long as the stipulations set by National Grid (Gas) are met, i.e. distribution main shall be in service during the home heating season*
- *Can work start early on days in which pumping is required, to allow time for water to draw down prior to the start of excavation?*
  - *Likely yes, but on a case-by-case basis and requires advanced coordination with the Town*
- *Do the water / sewer crossings include insulation?*
  - *Yes, 2-inches of insulation is required around the water pipe, and 1-inch of insulation is required around the sewer pipe (refer to Construction Details and Special Provisions)*
  - *Pipe and insulation shall be wrapped in an aluminum jacket within the hydraulic opening*
  - *Insulation shall conform to MassDOT Materials Specification M9.11.0*

**<< END OF MEETING NOTES >>**