

SECTION 00 91 13

ADDENDUM NO. 1

NOTICE is hereby given to prospective Bidders of the following information, clarifications, and modifications to the Bidding Documents. The Bidding Documents remain unchanged except as indicated below. Bidders must acknowledge receipt of this Addendum in the Bid Form and comply with the requirements for submission of Bids as set forth in the Bidding Documents.

A mandatory pre-bid conference was held on Tuesday, July 19, 2016 at 10:00 AM local prevailing time at Lowell Regional Water Utility, 815 Pawtucket Boulevard, Lowell, MA 01852. A list of attendees and the minutes from the pre bid conference is included in Attachments 1 and 2, respectively. **Bids will only be accepted from those on the list of attendees of the mandatory pre-bid conference in accordance with the Bidding Documents.**

The answers below are provided in response to questions and comments submitted by prospective Bidders.

Bid Item No. 14 for Mobilization/Demobilization on the bid form has a price of \$50,000 for the unit price and extended price. Can a new bid form page be provided? Or can we cross out that value and enter another value?

Answer: The pre-entered Unit Bid Price for Mobilization/Demobilization has been removed. See updated Section 00 43 22 included in this Addendum.

Page 31 00 00-12 of the Earthwork section notes that "Backfill under existing utility pipes crossed by new utility pipes with CDF. The CDF will extend continuously from the bedding of the new pipe to the utility pipe crossed, including a 6-inch thick envelope of CDF around the existing utility pipes." This requirement is not included in the drawings or the City of Lowell Permit Manual. Will Control Density Fill be required where the proposed piping crosses under existing utilities? If so how will it be paid for?

Answer: See updated Section 31 00 00 included in this Addendum.

Please advise whether or not [projects completed out of Massachusetts are] acceptable [to fulfill Bidders qualifications].

Answer: See updated Section 00 45 13 included in this Addendum.

NOTICE is hereby given that the Bidding Documents have been modified as follows.

Replacement pages are issued herewith, have an Issue Date of July 25, 2016, contain reference to “ADDENDUM NO. 1” in the footer, and text changes identified by double-
underline for additions and ~~Strikeout~~ for deletions.

Replacement pages (with text changes)	Provided for purposes of double-sided printing only - no changes (front or back of replacement page)
00 43 22 - 4	00 43 22 - 3
00 45 13 - 1	00 45 13 - 2
31 00 00 - 12	31 00 00 - 11

This Addendum and items listed above are provided to Bidders and attendees of the pre-bid conference in a single Portable Document Format (.PDF) file.

Prepared and Issued by Woodard & Curran (Engineer) on behalf of:

Lowell Regional Water Utility
815 Pawtucket Boulevard
Lowell, MA 01852

ATTACHMENT NO. 1: PRE-BID MEETING ATTENDANCE

City of Lowell, Massachusetts
 Humphrey Street Water Main Replacement Project
 Pre-Bid Meeting
 July 19, 2016 at 10:00 AM

SIGN IN SHEET

Name	Company/Organization	Telephone	Fax	Email
Phil Anselmi	GTA CO INC	617-385-2800	617-385-0981	Phil@gtacoinc.com greg@gtacoil.com
Chris Distefano	Commonwealth Construction & Utilities Inc	978-938-4888	978-938-4889	cellic@yahoo.com
Steve DiCesone	L&W	978-674-1677	978-970-4235	Stu.cesone@lwnelma.com
Tom Granece	V. Granece Assoc.	781-592-5121	781-631-8466	info@vgranece.com
Ben Ciboth	M. Ciboth, Inc	781-243-2382	781-243-0281	b.ciboth@vencorp.net
Erika Byrne	SUR Construction West, Inc.	603-357-7950	603-357-8959	erika.surwest@gmail.com
Linwood Patnode	SUR West	~	~	

City of Lowell, Massachusetts
 Humphrey Street Water Main Replacement Project
 Pre-Bid Meeting
 July 19, 2016 at 10:00 AM

SIGN IN SHEET

Name	Company/Organization	Telephone	Fax	Email
Mauro Sarnaglia	JP Cardillo Son	781-245- 8095	781-245- 3478	Mauro P JPcardillo.com
Pave Whitney	Albanese Brothers Inc	978-454 8850 x 21		dwhitney @albanesebros.com
Russell Percott	Defelice Corp	978-580 9391		rpercott@defelicecorp.com

ATTACHMENT NO. 2: PRE-BID MEETING MINUTES



CITY OF LOWELL

HUMPHREY STREET WATER MAIN REPLACEMENT PROJECT

LOWELL REGIONAL WATER UTILITY PRE-BID MEETING AGENDA

This Meeting:	Mandatory Pre-bid Meeting	Bid Date/Time:	July 28, 2016 at 11:00 AM
Date/Time:	July 19, 2016 at 10:00 AM	Bid Location:	375 Merrimack Street
Location:	815 Pawtucket Boulevard Lowell, MA 01852		Purchasing Department Lowell, MA 01852
Project Name:	Humphrey Street Water Main Replacement		
Project Number:	227251.50 / IFB# 17-01		
Client:	Lowell Regional Water Utility		

Agenda

- Introductions/Opening
- Schedule
- Bid Requirements
- Scope of Work
- Questions
- Meeting Conclusion

Introductions/Opening

- Thank you all for coming. This is the pre-bid meeting for Humphrey Street Water Main Replacement Project.
- The Owner is the City of Lowell. Mike Vaughn, Chief Procurement Officer; Bob Hogue, Superintendent of Distribution; and Steve Duchesne, Operations Superintendent are in attendance from the City.
- Todd Prokop and Kevin Roche are in attendance from Woodard and Curran.
- Please sign the sign-in sheet, and fill in all information requested.
- Any questions that arise during or after this meeting shall be dealt with as specified in contract documents.
- Contract Documents are available from the City of Lowell Purchasing Department, City Hall, 375 Merrimack Street, Lowell, MA 01852 in hard copy or electronic format.



Specifications:

- Bid Opening – July 28 at 11:00 AM at City Hall, Purchasing Department, 3rd Floor, Room 60, 375 Merrimack Street, Lowell, MA 01852
- Project description – The project includes replacement of existing water main with approximately 5,750 feet of ductile-iron water main on Humphrey Street, Aberdeen Street, and 17th Street in Lowell, Massachusetts. The project also includes side street connections, replacement of existing gate valves, fire hydrants, and service connections, temporary water system installation and maintenance, and temporary and permanent pavement. See SECTION 00 43 22 – UNIT PRICES FORM for exact quantity estimates.
- Schedule – Substantial Completion is 180 calendar days from date of Notice to Proceed. Final Completion is June 1, 2017 as stated in the Agreement. Final paving is scheduled for Spring 2017.
- Bonds:
 - Bid Security – 5% of the total amount of the bid; in form of a Bid Bond issued by company qualified to do business in the Commonwealth of Massachusetts or a certified check drawn upon a national or state bank and made payable to City of Lowell.
 - Performance and Payment Bonds – Performance Bond shall be 100% of the total bid amount, Payment Bond shall be 100% of the total bid amount; each shall remain in effect for duration of warranty period, a minimum 1 year after satisfying substantial completion or as specified by state or local roadway permits, whichever is greater.
- Wage Rates – Wage rates for the project were from the Massachusetts Executive Office of Labor and Workforce Development are included in SECTION 00 73 46 - WAGE DETERMINATION SCHEDULE.
- **Qualifications:** Bidder's organization must have completed **at least 3 projects in the Commonwealth of Massachusetts** *[Note: The requirement that projects used for qualification were completed within the Commonwealth of Massachusetts was stated at the Pre-bid Meeting, but is altered by Addendum No. 1. See Section 00 45 13, provided with Addendum No. 1. It is shown here struck out for clarity.]*, **within the last 5 years which are similar** in type, character and magnitude to that required by the Contract. Projects similar in type, character and magnitude shall include work that (a) has been completed by the date of the bid opening; (b) includes water main replacement work that was solely completed by the Bidder and valued at \$500,000 or greater, exclusive of change order work. The scope of work completed solely by the Bidder for each reference project submitted shall include, at a minimum; (c) furnishing and installing 3,000 linear feet of ductile iron water main pipe (8-inch diameter or greater); (d) furnishing and installing six gate valves (8-inch diameter or greater); (e) furnishing and installing 5 hydrants; and (d) furnishing, installing, and 24-hour maintenance of 2,000 linear feet of temporary water main (4-inch diameter or greater) and temporary service connections.
- Project Award – based on lowest total bid price; lowest qualified eligible and responsible bidder.
- Bid Items – Please review SECTION 00 43 22 – UNIT PRICES FORM and SECTION 01 20 25 - MEASUREMENT AND PAYMENT.
- Interpretations and Addenda – Interpretations or clarifications considered necessary by the Owner in response to such questions will be issued by Addenda emailed to all parties recorded by the Owner as having received the Bidding Documents and all parties recorded as having attended this meeting. **Questions received after 12 PM EST (noon), Friday, July 22, 2014 will not be answered.** Only answers in the Addenda will be binding. Oral statements, interpretations, and clarification may not be relied upon and will not be binding or legally effective.



- SECTION 01 11 00 – SUMMARY OF WORK and SECTION 01 15 00 – SPECIFIC PROJECT REQUIREMENTS AND PROCEDURES:
 - Payment applications shall be submitted on EJCDC FORM C-00621 (provided in the Contract Documents). The successful Bidder will be required to submit pencil requisition for Owner review prior to finalizing and submitting the monthly requisition. Monthly requisitions shall be submitted with six (6) signed and notarized original copies and include Certified Payroll Statements.
 - Contractor shall submit one (1) copy of each submittal electronically to Engineer for review and approval. Owner can request additional copies if needed. One (1) copy of reviewed submittal to be returned to Contractor.
 - Except when road closure and road blockage permits are obtained, maintain, at a minimum, one lane of traffic in each direction on all roadways impacted by the Work during construction hours. Restore normal traffic flow patterns at the end of each work day.
- SECTION 01 50 00 – TEMPORARY FACILITIES AND CONTROLS
 - Off-site construction parking area to be established at a location determined by the contractor and approved by the owner.
 - Field offices or project sign are not required.
- SECTION 01 20 25 – MEASUREMENT AND PAYMENT: Note that Work not specifically described or designated as an item, shall be considered incidental to all items, and shall not be measured separately for payment. This includes General Requirements specified in Sections 01 11 00 and 01 15 00 except for items that may be included in Mobilization/Demobilization. This also includes all costs associated with traffic controls.
- SECTION 01 51 38 – TEMPORARY WATER BYPASS:
 - Interruption of water service or fire protection is not permitted during water main construction or bypass installation/removal. If any alterations to bypass plans are proposed, Contractor must submit plans to Owner 14 days before the start of construction.
 - Contractor shall take necessary measures, including tapping existing water mains and installing gate valves when existing hydrants and existing gate valves are unavailable for use, to assure continuous water service and fire protection.
 - Temporary hydrants shall be acceptable to and supported by a means approved by the local Fire Department to prevent deflection of the hydrant or bypass piping system when the hydrant is in operation.
 - When bypass water main system has been tested and put into service, it shall be maintained 24-7 by the Contractor until the Work has been completed and the bypass system has been removed. Submit an emergency contact list with a minimum of three (3) employees skilled in the maintenance and repair of the temporary by-pass systems and with specific knowledge of the operational requirements and valve locations of this system. The employees listed on the emergency contact list shall be on call 24-7 while the temporary bypass system is active and able to respond to emergency repair calls within a maximum of two (2) hours.
 - Complete all sections of the Project in progress before the daily low temperature falls below 35 degrees Fahrenheit. Maintain all components of the by-pass system impacted by freezing conditions, including service connections and take reasonable measures when scheduling work as cold weather season approaches. Should it become necessary to stop work and



remove the by-pass system due to freezing conditions, separate payment shall not be made to re-install, chlorinate, test and return the temporary by-pass system to service.

- SECTION 31 00 00 – EARTHWORK: The City of Lowell requires CDF (flowable fill) for backfill of trenches within roadways. The City has agreed to waive this requirement, but this waiver is contingent upon receipt of acceptable compaction tests. If successful compaction test results are not provided to the Owner, Contractor shall remove all backfill above pipe bedding and blanket and replace with controlled-density fill at no cost to the Owner.
- SECTION 32 12 16 – HOT MIX ASPHALT:
 - Temporary Trench Paving: The contractor shall place 4 inches of bituminous Type I-1 binder course.
 - Final pavement: The Contractor shall mill and dispose of 2 inches of existing pavement and place 2 inches of Type I-1 top course, full width as shown on the drawings.

Instructions:

- Submit bids on most up to date bid forms furnished by Owner. Fill in all blank spaces in ink or typewritten. Bid prices for each item shall be provided in both words and figures. If there is a discrepancy between prices written in words and prices written in figures, the written words will govern.
- Bids with bid prices that are abnormally high or low may be rejected as unbalanced.
- Bids may not be withdrawn for 90 days after bid opening date.

Schedule

- Bid opening is scheduled for July 28, 2016 at 11:00 AM at City Hall, Purchasing Department, 3rd Floor, Room 60, 375 Merrimack Street, Lowell, MA 01852.
- No Bid may be withdrawn for at least 90 days after receipt of bids unless released by the Owner.
- Substantial completion shall be within 180 calendar days of Notice to Proceed. Final completion shall be June 1, 2017.
- Liquidated damages - \$1,000 per calendar day

Questions

- Are there any questions?

Site Walk

- Bidders are encouraged to visit the project sites to gain an understanding of existing site conditions and potential site limitations.

Meeting Conclusion

- Please sign the sign-in sheet, and fill in all information requested.
- There will be an addendum issued after this meeting that includes the minutes for this meeting, the sign-in sheet and will address any questions received or raised at or prior to this meeting.

ATTACHMENT NO. 3: SPECIFICATION REPLACEMENT PAGES

Item No.	Item Description with Unit or Lump Sum Price in Written Words	Estimated Quantity & Unit	Unit Bid Price (Figures)	Total Bid Item Price (Figures)
8b	Furnish and Install 2-inch Temporary Bypass Water Mains @ _____ _____dollars and ____/100 PER LINEAR FOOT	1,900		
		LF		
9a	Remove and Dispose of Unsuitable Material Below Normal Grade @ _____ _____dollars and ____/100 PER CUBIC YARD	150		
		CY		
9b	Remove and Dispose of Unsuitable Material Above Normal Grade @ _____ _____dollars and ____/100 PER CUBIC YARD	150		
		CY		
9c	Rock and Boulder Excavation @ _____ _____dollars and ____/100 PER CUBIC YARD	100		
		CY		
10a	Furnish and Install Temporary Trench Pavement @ _____ _____dollars and ____/100 PER SQUARE YARD	3,000		
10b	Furnish and Install Full-width Milling and Permanent Overlay Pavement @ @ _____ _____dollars and ____/100 PER SQUARE YARD	17,250		
		SY		
11a	Provide Catch Basin Protection @ _____ _____dollars and ____/100 PER EACH	30		
11b	Furnish and Install Straw Wattles @ _____ _____dollars and ____/100 PER LF	250		
		LF		
12	Test Pits @ _____ _____dollars and ____/100 PER CUBIC YARD	65		
		CY		

13	Provide 3,000 psi Concrete for Thrust Restraint and Encasement @ _____ _____ dollars and ____/100 PER CUBIC YARD	50		
		CY		
14	Mobilization and Demobilization @ _____ _____ dollars and ____/100 PER LUMP SUM	±	\$50,000	\$50,000
		LS		
<u>14</u>	<u>Mobilization and Demobilization</u> <u>@ _____</u> <u>_____ dollars and ____/100 PER LUMP</u> <u>SUM</u>	<u>±</u>		
		<u>LS</u>		
15	Owner's Contingency Allowance for Compaction Testing (per Paragraph 11.02 of the General Conditions) @ TEN THOUSAND dollars and 00/100 PER ALLOWANCE	1	\$10,000	\$10,000
		NOT TO EXCEED		
16	Owner's Contingency Allowance for Materials Escalation Price Adjustment (statutory requirement) TEN THOUSAND dollars and 00/100 PER ALLOWANCE	1	\$10,000	\$10,000
		NOT TO EXCEED		

END OF SECTION

SECTION 00 45 13

BIDDER'S QUALIFICATIONS

The following data, statements of experience, personnel, equipment and general qualifications of the Bidder are submitted as a part of the Bid and the Bidder represents and guarantees the truthfulness and accuracy thereof and **its ability to meet the qualifications requirements specified forth in the General Requirements.** Attach additional sheets as necessary properly cross referenced.

- A. Bidder's organization is a _____
 (entity type) and has been in business continuously from the year _____.
- B. Bidder's organization has had experience in construction comparable to that required by the Contract Documents as a prime contractor for _____ years and as a subcontractor for _____ years.
- C. Following is a list of **at least 3 projects** Bidder's organization has completed ~~in the state the Project is located,~~ **within the last 5 years which are similar** in type, character and magnitude to that required by the Contract as specified in Section 01 15 00, Article 1.04 and Section 01 15 30, Article 1.04.

Client/Owner Name/Address	Project Name/Location	CURRENT Contact Name, Phone, Email	Time Period

Client/Owner Name/Address	Project Name/Location	CURRENT Contact Name, Phone, Email	Time Period

Replace fill that becomes frozen or saturated in stockpiles with suitable off-Site fill at no additional cost to Owner.

B. Ground Surface Preparation

1. Remove asphalt and concrete pavements, granular base course, existing sandy and gravelly fills, existing organic silty/clay soils, organic peat, vegetation, debris, unsatisfactory soil materials, obstructions, and deleterious materials from ground surface to excavation subgrade prior to placement of fills. Scarify surfaces so that fill material will bond with existing surface.
2. When existing ground surface has a density less than that specified under Article 3.07, Compaction, for particular area classification, break up ground surface, pulverize, moisture-condition to optimum moisture content, and compact to required depth and percentage of maximum density.

C. Placement

1. Place backfill and fill materials in layers not more than 6 inches in loose depth for material compacted by heavy compaction equipment or hand-operated tampers. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.
2. Place backfill and fill materials evenly adjacent to structures, to required elevations. Take care to prevent wedging action of backfill against structures by carrying material uniformly around structure to approximately same elevation in each lift.
3. Do not allow heavy machinery within 5 feet of structure during backfilling and compacting.

D. Backfilling Excavations

1. Backfill excavations promptly as Work permits, but not until completion of the following:
 - a. Inspection and recording locations of underground utilities
 - b. Removal of concrete formwork
 - c. Removal of shoring and bracing, and backfilling of voids with satisfactory materials
 - d. Removal of trash and debris
2. Use care in backfilling to avoid damage or displacement of underground structures and pipe.

3. When suitable compaction per Section 3.07B cannot be achieved by other means, B backfill under existing utility pipes crossed by new utility pipes with CDF. The CDF will extend continuously from the bedding of the new pipe to the utility pipe crossed, including a 6-inch thick envelope of CDF around the existing utility pipes.
4. Backfill with CDF when clearance between proposed structure and existing structure is 18 inches or less and sufficient clearance is not provided to obtain suitable compaction, ~~in the opinion of the Engineer per Section 3.07B.~~
5. Backfill with CDF for trenches within impervious surfaces with pipes containing less than 3 feet of cover.
6. Provide that 3/4 inch crushed stone backfill stands at its own angle of repose. "Haunching" or "forming" with common fill is not allowed.

E. Backfilling Trenches

1. See Trench Detail on the Drawings.
2. Place pipe and structure bedding and gravel bedding of the type and to the extent and dimensions shown on the Drawings so that the pipes and structures have complete and uniform bearing.
3. Grade, compact and shape pipe and structure bedding so that the full length of pipe barrel has complete and uniform bearing. Dig bell holes and depressions for joints after the bedding has been graded and compacted, at proper clearance for jointing the pipes.
4. Following inspection and approval of pipe installation by Engineer, carefully hand place and properly compact additional approved bedding to the limits shown on the Drawings. Hand or mechanical tamping on the sides of the pipe.
5. Place 6 inches of suitable backfill in trenches above the crown of pipe as approved, not frozen and without stones larger than 3 inches in the greatest dimension. Spread in layers not exceeding 6 inches in loose thickness and compact each layer by at least 4 passes with an approved vibratory compactor. See Article 3.07 for compaction types and standards. Carefully place trench backfilling to avoid disturbance of new Work and of existing structures. Adjust moisture content of backfill to allow for proper compaction.
6. Bed pipe in pipe and structure bedding (as indicated on the drawings). Type and limits of bedding and requirements for remaining trench backfill are shown on the Drawings.