

SECTION 00 91 13

ADDENDUM NO. 2

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.

NOTICE is hereby given to prospective Bidders that the bid opening has been rescheduled. The bid opening was originally scheduled for 11:00 AM on Wednesday August 30, 2017 at Lawrence City Hall, 200 Common Street, Room 301. **The bid opening will now take place at 11:00 AM on Friday, September 1, 2017 at Lawrence City Hall, 200 Common Street, Room 301.**

NOTICE is hereby given that the Bidding Documents have been modified and replacement section(s) are reissued herewith in their entirety and included in Attachment No. 1, have an Issue Date of **August 29, 2017**, contain reference to “ADDENDUM NO. 2.” in the footer, and text changes identified by **double-underline** for additions and **~~Strikeout~~** for deletions.

Section 00 43 22 – Unit Prices Form, consisting of 16 pages.

NOTICE is hereby given that the Bidding Documents have been modified and replacement pages are issued herewith and included in Attachment No. 2.

Replacement pages have an Issue Date of **August 29, 2017**, contain reference to “ADDENDUM NO. 2” 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 11 16-1	00 11 16-2
01 20 25-13, 14, 21, 22	

This Addendum is provided to Bidders in a single Portable Document Format (.PDF) posted on the City of Lawrence Bidding web portal at <http://bids.cityoflawrence.com/>. **It is each Bidder's responsibility to check the website for Addenda per the Instructions to Bidders.**

Prepared and Issued by Woodard & Curran on behalf of:

City of Lawrence
200 Common Street
Lawrence, MA 01843

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ATTACHMENT NO. 1: REISSUED SECTIONS

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SECTION 00 43 22

UNIT PRICES FORM

Provide unit pricing for each Bid item in both words and figures. Provide Bid item totals in figures. Discrepancies between prices written in words and prices written in figures will be resolved in favor of prices written in words. Discrepancies between the multiplication of estimated quantities and unit prices will be resolved in favor of the unit prices.

BID PRICES SHALL EXCLUDE SALES AND USE TAX

BASE BID

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
1a	Furnish and Install 16-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	1,325	LF			
1b	Furnish and Install 12-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	9,650	LF			
1c	Furnish and Install 12-inch Pre-Insulated Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LUMP SUM	1	LS			
1d	Furnish and Install 10-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	40	LF			
1e	Furnish and Install 8-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	17,750	LF			
1f	Furnish and Install 6-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	2,500	LF			

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
1g	Furnish and Install 4-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	100 LF				
2	Clean and Structurally Line 12-inch Water Main @ _____ dollars and ____/100 PER LUMP SUM	1 LS				
3a	Furnish and Install 16-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	16 EA				
3b	Furnish and Install 12-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	70 EA				
3c	Furnish and Install 10-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	1 EA				
3d	Furnish and Install 8-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	170 EA				
3e	Furnish and Install 6-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	110 EA				
3f	Furnish and Install 4-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	3 EA				

Addendum No. 2

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollar s	Cents	Dollars	Cents
4	Furnish and Install Cement Lined Ductile Iron Fittings	52,500	LB			
	@ _____ dollars and ____/100 PER POUND					
5	Furnish and Install Hydrants	85	EA			
	@ _____ dollars and ____/100 PER EACH					
6	Disinfection, Pressure and Bacteria Testing of Water Mains	1	LS			
	@ _____ dollars and ____/100 PER LUMP SUM					
7a	Furnish and Install 1-inch Corporation Stop	475	EA			
	@ _____ dollars and ____/100 PER EACH					
7b	Furnish and Install 2-inch Corporation Stop	6	EA			
	@ _____ dollars and ____/100 PER EACH					
7c	Furnish and Install 1-inch Curb Stop & Box	475	EA			
	@ _____ dollars and ____/100 PER EACH					
7d	Furnish and Install 2-inch Curb Stop & Box	6	EA			
	@ _____ dollars and ____/100 PER EACH					

Addendum No. 2

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
8a	Furnish and Install 1-inch Type K Copper Tubing @ _____ dollars and ____/100 PER LINEAR FOOT	11,750 LF				
8b	Furnish and Install 2-inch Type K Copper Tubing @ _____ dollars and ____/100 PER LINEAR FOOT	125 LF				
9a	Furnish and Install 6-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	37,750 LF				
9b	Furnish and Install 2-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	16,500 0 LF				
10a	Remove and Dispose of Unsuitable Material Below Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	500 CY				
10b	Remove and Dispose of Unsuitable Material Above Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	700 CY				
10c	Rock and Boulder Excavation @ _____ dollars and ____/100 PER CUBIC YARD	250 CY				

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
10d	Controlled Density Fill (CDF), Type 2E @ _____ dollars and ____/100 PER CUBIC YARD	200	CY			
11a	Furnish and Install Temporary Trench Pavement @ _____ dollars and ____/100 PER TON	3,100	TON			
11b	Furnish and Install Temporary Trench Pavement in MassDOT Roadway @ _____ dollars and ____/100 PER TON	65	TON			
11c	Furnish and Install Permanent Trench Pavement in MassDOT Roadway @ _____ dollars and ____/100 PER TON	40	TON			
11d	Provide Full Width Pavement Milling @ _____ dollars and ____/100 PER SQUARE YARD	107,500	SY			
11e	Furnish and Install Top Course Overlay Pavement @ _____ dollars and ____/100 PER TON	12,000	TON			
11f	Furnish and Install Additional Hot-Mix Asphalt @ _____ dollars and ____/100 PER TON	500	TON			
12	In-Kind Sidewalk Replacement @ _____ dollars and ____/100 PER SQUARE YARD	2,865	SY			

Addendum No. 2

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
13	Provide 3,000 psi Concrete for Thrust Restraint and Encasement @ _____ dollars and _____/100 PER CUBIC YARD	2,500 CY				
14	Remove and Reset Granite Curb @ _____ dollars and _____/100 PER LINEAR FOOT	2,500 LF				
15a	Remove and Dispose of Cobblestones @ _____ dollars and _____/100 PER SQUARE YARD	800 SY				
15b	Remove and Dispose of Rails and Ties @ _____ dollars and _____/100 PER LINEAR FOOT	200 LF				
16	Calcium Chloride for Dust Control @ _____ dollars and _____/100 PER POUND	25,000 LB				
17	Provide Catch Basin Protection @ _____ dollars and _____/100 PER EACH	500 EA				
18	Test Pits @ _____ dollars and _____/100 PER CUBIC YARD	600 CY				
19	Isolation Valve Investigation @ _____ dollars and _____/100 PER EACH	450 EA				

BASE BID (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
20	Install, Program and Maintain Sign Board @ _____ dollars and ____/100 PER WEEK	100 WK				
21	ALLOWANCE for Establishment of Control of Distribution System @ FOUR HUNDRED THOUSAND dollars and 00/100 PER ALLOWANCE	1 NOT TO EXCEED		\$400,000.00		\$400,000.00
22	ALLOWANCE for Contaminated Soil and Groundwater @ FIFTY THOUSAND dollars and 00/100 PER ALLOWANCE	1 NOT TO EXCEED		\$50,000.00		\$50,000.00
23	Mobilization/Demobilization @ _____ dollars and ____/100 PER LUMP SUMP	1 LS				
24	ALLOWANCE for Compaction Testing @ THIRTY-FIVE THOUSAND FIVE HUNDRED dollars and 00/100 PER ALLOWANCE	1 NOT TO EXCEED		\$35,000.00		\$35,000.00
25	ALLOWANCE for Materials Escalation @ TWO HUNDRED THOUSAND dollars and 00/100 PER ALLOWANCE	1 NOT TO EXCEED		\$200,000.00		\$200,000.00
26	<u>ALLOWANCE for Replacement of Existing Loop Detectors</u> <u>@ TWENTY-FIVE THOUSAND dollars and 00/100 PER ALLOWANCE</u>	<u>1</u> <u>NOT TO EXCEED</u>		<u>\$25,000.00</u>		<u>\$25,000.00</u>

ALTERNATE 1

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A1. 1a	Furnish and Install 16-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	85	LF			
A1. 1b	Furnish and Install 12-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	350	LF			
A1. 1c	Furnish and Install 8-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	1,200	LF			
A1. 1d	Furnish and Install 6-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	300	LF			
A1. 2a	Furnish and Install 16-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	3	EA			
A1. 2b	Furnish and Install 12-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	3	EA			
A1. 2c	Furnish and Install 8-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	8	EA			
A1. 2d	Furnish and Install 6-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	16	EA			

ALTERNATE 1 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A1. 3	Furnish and Install Cement Lined Ductile Iron Fittings @ _____ dollars and ____/100 PER POUND	7,500 LB				
A1. 4	Furnish and Install Hydrants @ _____ dollars and ____/100 PER EACH	7 EA				
A1. 5	Disinfection, Pressure and Bacteria Testing of Water Mains @ _____ dollars and ____/100 PER LUMP SUM	1 LS				
A1. 6a	Furnish and Install 1-inch Corporation Stop @ _____ dollars and ____/100 PER EACH	22 EA				
A1. 6b	Furnish and Install 2-inch Corporation Stop @ _____ dollars and ____/100 PER EACH	6 EA				
A1. 6c	Furnish and Install 1-inch Curb Stop & Box @ _____ dollars and ____/100 PER EACH	22 EA				
A1. 6d	Furnish and Install 2-inch Curb Stop & Box @ _____ dollars and ____/100 PER EACH	6 EA				
A1. 7a	Furnish and Install 1-inch Type K Copper Tubing @ _____ dollars and ____/100 PER LINEAR FOOT	775 LF				

ALTERNATE 1 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A1. 7b	Furnish and Install 2-inch Type K Copper Tubing @ _____ dollars and ____/100 PER LINEAR FOOT	225 LF				
A1. 8a	Furnish and Install 6-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	5,500 LF				
A1. 8b	Furnish and Install 2-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	800 LF				
A1. 9a	Remove and Dispose of Unsuitable Material Below Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	25 CY				
A1. 9b	Remove and Dispose of Unsuitable Material Above Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	25 CY				
A1. 9c	Rock and Boulder Excavation @ _____ dollars and ____/100 PER CUBIC YARD	15 CY				
A1. 10a	Furnish and Install Temporary Trench Pavement @ _____ dollars and ____/100 PER TON	200 TON				
A1. 10b	Provide Full Width Pavement Milling @ _____ dollars and ____/100 PER SQUARE YARD	13,850 SY				

ALTERNATE 1 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A1. 10c	Furnish and Install Top Course Overlay Pavement @_____ dollars and ____/100 PER TON	1,550 TON				
A1. 10d	Furnish and Install Additional Hot-Mix Asphalt @_____ dollars and ____/100 PER TON	10 TON				
A1. 11	In-Kind Sidewalk Replacement @_____ dollars and ____/100 PER SQUARE YARD	50 SY				
A1. 12	Provide 3,000 psi Concrete for Thrust Restraint and Encasement @_____ dollars and ____/100 PER CUBIC YARD	25 CY				
A1. 13	Remove and Reset Granite Curb @_____ dollars and ____/100 PER LINEAR FOOT	25 LF				
A1. 14a	Remove and Dispose of Cobblestones @_____ dollars and ____/100 PER SQUARE YARD	15 SY				
A1. 14b	Remove and Dispose Rails and Ties @_____ dollars and ____/100 PER LINEAR FOOT	20 LF				
A1. 15	Calcium Chloride for Dust Control @_____ dollars and ____/100 PER POUND	250 LB				

ALTERNATE 1 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A1. 16	Provide Catch Basin Protection @_____ dollars and ____/100 PER EACH	25	EA			
		EA				
A1. 17	Test Pits @_____ dollars and ____/100 PER CUBIC YARD	150	CY			
		CY				
A1. 18	Isolation Valve Investigation @_____ dollars and ____/100 PER EACH	75	EA			
		EA				
A1. 19	Mobilization/Demobilization @_____ dollars and ____/100 PER LUMP SUMP	1	LS			
		LS				

ALTERNATE 2

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A2. 1a	Furnish and Install 8-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	2,150 LF				
A2. 1b	Furnish and Install 6-inch Cement Lined Ductile Iron Pipe @ _____ dollars and ____/100 PER LINEAR FOOT	110 LF				
A2. 2a	Furnish and Install 8-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	13 EA				
A2. 2b	Furnish and Install 6-inch Gate Valve & Box @ _____ dollars and ____/100 PER EACH	7 EA				
A2. 3	Furnish and Install Cement Lined Ductile Iron Fittings @ _____ dollars and ____/100 PER POUND	2,500 LB				
A2. 4	Furnish and Install Hydrants @ _____ dollars and ____/100 PER EACH	5 EA				
A2. 5	Disinfection, Pressure and Bacteria Testing of Water Mains @ _____ dollars and ____/100 PER LUMP SUM	1 LS				

ALTERNATE 2 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
A2. 6a	Furnish and Install 1-inch Corporation Stop @ _____ dollars and ____/100 PER EACH	25 EA				
A2. 6b	Furnish and Install 1-inch Curb Stop & Box @ _____ dollars and ____/100 PER EACH	25 EA				
A2. 7	Furnish and Install 1-inch Type K Copper Tubing @ _____ dollars and ____/100 PER LINEAR FOOT	500 LF				
A2. 8a	Furnish and Install 6-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	2,850 LF				
A2. 8b	Furnish and Install 2-inch Temporary Bypass Water Mains @ _____ dollars and ____/100 PER LINEAR FOOT	1,700 LF				
A2. 9a	Remove and Dispose of Unsuitable Material Below Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	25 CY				
A2. 9b	Remove and Dispose of Unsuitable Material Above Normal Grade @ _____ dollars and ____/100 PER CUBIC YARD	25 CY				
A2. 9c	Rock and Boulder Excavation @ _____ dollars and ____/100 PER CUBIC YARD	15 CY				

ALTERNATE 2 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price	Total Bid Item Price
A2. 10a	Furnish and Install Temporary Trench Pavement @ _____ dollars and ____/100 PER TON	225 TON		
A2. 10b	Provide Full Width Pavement Milling @ _____ dollars and ____/100 PER SQUARE YARD	5,250 SY		
A2. 10c	Furnish and Install Top Course Overlay Pavement @ _____ dollars and ____/100 PER TON	600 TON		
A2. 10d	Furnish and Install Additional Hot-Mix Asphalt @ _____ dollars and ____/100 PER TON	10 TON		
A2. 11	Provide 3,000 psi Concrete for Thrust Restraint and Encasement @ _____ dollars and ____/100 PER CUBIC YARD	25 CY		
A2. 12a	Remove and Dispose of Cobblestones @ _____ dollars and ____/100 PER SQUARE YARD	10 SY		
A2. 12b	Remove and Dispose of Rails and Ties @ _____ dollars and ____/100 PER LINEAR FOOT	15 LF		
A2. 13	Calcium Chloride for Dust Control @ _____ dollars and ____/100 PER POUND	250 LB		

ALTERNATE 2 (continued)

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price	Total Bid Item Price
A2. 14	Provide Catch Basin Protection	5	EA	
	@_____ dollars and ____/100 PER EACH	EA		
A2. 15	Test Pits	20	CY	
	@_____ dollars and ____/100 PER CUBIC YARD	CY		
A2. 16	Isolation Valve Investigation	15	EA	
	@_____ dollars and ____/100 PER EACH	EA		
A2. 17	Mobilization/Demobilization	1	LS	
	@_____ dollars and ____/100 PER LUMP SUMP	LS		

END OF SECTION

ATTACHMENT NO. 2: REPLACEMENT PAGES

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SECTION 00 11 16**INVITATION TO BID**

The City of Lawrence, Massachusetts (Owner) invites Bidders to submit sealed Bids for Water Main Replacement, DWSRF 3814 Contract 2, which includes, but is not limited to construction of new 16-inch through 4-inch ductile iron water main; and all materials and equipment, services and construction inherent to the Work.

The portion of the Work for "High Priority Construction" shall be substantially complete by December 1, 2017 and ready for final payment by June 1, 2018. All remaining Work shall be substantially complete by November 15, 2018 and completed and ready for final payment by July 1, 2019.

This Project is to be funded in part with monies made available by the Drinking Water State Revolving Fund (SRF) and is to be funded in part by the Massachusetts Clean Water Trust (the "Trust"), and compliance with the following is required: Environmental Protection Agency's (EPA) Diesel Retrofit Program; EPA/Massachusetts Department of Environmental Protection (MassDEP) Division of Municipal Services (DMS) Disadvantaged Business Enterprise Program; the American Iron and Steel requirements of P.L. 113-76 (the Consolidated Appropriations Act of 2014); and Federal Minimum Wage Rates as determined by the United States Department of Labor under the Davis-Bacon Act; and other MassDEP/DMS provisions and policies.

The Project being bid is subject to Massachusetts General Laws, Chapter 30, Section 39M.

A **mandatory** pre Bid conference will be held at 10:00AM local time on August 22, 2017 at the Lawrence City Hall, Purchasing Department, Third Floor, 200 Common Street, Lawrence, Massachusetts 01840. **Bidders are required to attend and participate in the conference.**

Sealed Bids will be received until 11:00AM local time on ~~August 30, 2017~~September 1, 2017 at Owner's offices **200 Common Street, Room 301, Lawrence, Massachusetts 01840, Attention: Rita Brousseau, Purchasing Agent.** Bids will then and there be publicly opened and read aloud. Bids received after the time of announced opening will not be accepted. Clearly label bids, "**BID FOR WATER MAIN REPLACEMENT, DWSRF 3814 CONTRACT 2**"

Sets of Bidding Documents may be examined at the following location(s) on or after August 9, 2017, at 12:00PM.

Owner's Office:

Office of the Purchasing Agent
200 Common Street, Room 301
Lawrence, Massachusetts 01840

Engineer's Office:

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, MA 01810

Sets of Bidding Documents may be obtained on or after August 9, 2017 at 12:00PM:

electronically at no cost by registering at: <http://bids.cityoflawrence.com>

Complete sets of Bidding Documents shall be used in preparing Bids; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of the incomplete sets of Bidding Documents or for modifications to the Bidding Documents including electronic conversion.

Bid security in the amount of 5 percent of the Bid must accompany the Bid in accordance with the Instructions to Bidders.

Minimum wage rates as issued by the Director of the Executive Office of Labor and Workforce Development, Department of Labor Standards under the provisions of Massachusetts General Laws, Chapter 149, Sections 26 to 27D inclusive, as amended, apply to this Project. It is the responsibility of the Bidders, before Bid opening, to request if necessary, any additional information on Minimum Wage Rates for those trades people who may be employed for the proposed Work under the resulting Contract. Federal Minimum Wage Rates as determined by the United States Department of Labor under the Davis-Bacon Act also apply to this Project per SRF requirements.

Disadvantaged Business Enterprise (DBE) goals are applicable to the total dollars paid under the resulting construction Contract. The goals for this Project are a minimum of **3.40 percent D/MBE participation and 3.80 percent D/WBE participation** by certified DBEs. **The two lowest responsive Bidders shall submit completed DBE forms (EEO-DEP-190 & EEO-DEP-191 and DBE Certification of United States Citizenship form) by close of business on the third business day after Bid opening.** Failure to comply with these requirements may render a Bid non-responsive. No waiver of any provision of the D/MBE & D/WBE requirements will be granted unless approved by the MassDEP.

Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be eligible or responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project or the public to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

END OF SECTION

ITEM: 11c - Furnish and Install Permanent Trench Pavement in MassDOT Roadway	
Measurement	In place within pay limits shown on the Drawings
Payment	Unit price per ton
Schedule of Payment	Monthly based on quantity installed
All labor, tools, equipment and materials to furnish and mill existing pavement to specified depth beyond trench limits as shown on the Drawings and provide top course hot mix asphalt for permanent trench pavement, base, emulsion, bituminous tack coat, joint sealant, adjusting of roadway castings to final grade, placement and compaction of top course hot mix asphalt in required lift depths, traffic controls, signage, coordination with all utilities and all other incidentals necessary to furnish and install permanent trench pavement as shown on the Drawings.	

ITEM: 11d, A1.10b, and A2.10b – Provide Full Width Pavement Milling	
Measurement	In place
Payment	Unit price per square yard
Schedule of Payment	Monthly based on quantity installed
All labor, tools, equipment and materials to mill pavement to the depth and limits shown on Drawings or required by OWNER, milling and/or adjusting roadway castings, key ways, joint sealant, repair and or replacement of loop detectors , repairing driveway abutments to meet new grade, traffic controls, signage, coordination with all utilities and all other incidentals to furnish an install full width milling of existing asphalt pavement in place.	

ITEM: 11e, A1.10c, and A2.10c - Furnish and Install Full Width Top Course Pavement	
Measurement	In place based on weigh slips submitted
Payment	Unit price per ton
Schedule of Payment	Monthly based on quantity installed
All labor, tools, equipment and materials to furnish and install full width pavement, emulsion, key ways, repair and or replacement of loop detectors , repairing driveway abutments to meet new grade, butt joints, bituminous tack coat, joint sealant, placement and compaction of 2-inches (compacted thickness) Type I-1 top course, striping, replacement of pavement markings in kind, backing sides of pavement up with gravel base and loam and seed, traffic controls, signage, coordination with all utilities and all other incidentals to furnish an install full width pavement.	

ITEM: 11f, A1.10d, and A2.10d - Furnish and Install Additional Hot-Mix Asphalt	
Measurement	In place based on weigh slips submitted
Payment	Unit price per ton
Schedule of Payment	Monthly based on quantity installed
All labor, tools, equipment and materials to furnish and install additional hot mix asphalt for leveling, patching, and adjustment of driveway aprons. Also includes required traffic controls. Based on weigh slips for additional Hot Mix Asphalt. Excludes: Hot-mix asphalt used to level trench settlement.	

ITEM: 22 – ALLOWANCE for Contaminated Soil and Groundwater	
Measurement	Portion of contingency allowance amount authorized per Paragraph 11.02 of the General Conditions
Payment	Percent of not to exceed contingency allowance amount authorized by Change Order
Schedule of Payment	Monthly based on progress and authorized by Change Order
	All labor, equipment, tools and materials necessary to excavate, stockpile, maintain stockpiles, load and transport contaminated soil and store, treat and discharge contaminated groundwater as defined in Section 02 61 00 in the event contamination is encountered during construction. Also includes laboratory characterization of contaminated soil and groundwater.

ITEM: 23, A1.19, and A2.17 - Mobilization/Demobilization	
Measurement	Portion of Work completed and accepted
Payment	Percent of lump sum price based on Schedule of Values (Item 21 not to exceed 5% of total sum of Items 1a through 19 and Item 26, Item A1.19 not to exceed 5% of total sum of Items A1.1a through A1.18, Item A2.17 not to exceed 5% of total sum of Items A2.1a through Item A2.16.)
Schedule of Payment	50% at Project commencement - 50% at Substantial Completion
	Includes delivery to and removal of equipment from the Project Site, temporary utilities, facilities and controls, obtaining necessary permits including associated fees, insurance and bond costs, signage, development of pre-construction schedules and plans required by the Standard General Conditions and Supplementary Conditions, and General Requirements; necessary pre-construction investigations, verifying existing field conditions, coordination, and Site clean-up, restoration and closeout.

ITEM: 24 – ALLOWANCE for Compaction Testing	
Measurement	Portion of contingency allowance amount authorized per Paragraph 11.02 of the General Conditions
Payment	Percent of <u>direct cost</u> (no markup) not to exceed contingency allowance amount authorized by Change Order
Schedule of Payment	Monthly based on progress and authorized by Change Order
Direct cost (no mark-up will be allowed) to provide compaction testing performed by a qualified technician certified in “soils” by the New England Transportation Technician Certification Program (NETTCP) using the methods specified. Testing to be performed at depths and locations determined by the Owner. Excluded: Additional compaction tests and work performed to obtain desired compaction in trenches that failed initial compaction tests (performed at no additional cost to Owner).	

ITEM: 25 – ALLOWANCE for Materials Escalation	
Measurement	Portion of contingency allowance amount authorized per Paragraph 11.02 of the General Conditions.
Payment	As a percentage; not to exceed contingency allowance amount authorized by Change Order.
Schedule of Payment	Monthly based on progress and authorized by Change Order
Includes price adjustment for Materials Escalation of Liquid Asphalt, Diesel Fuel, Gasoline, and Portland Cement as specified in the Contract Documents. Contractor shall not receive payment for any unused portion of the allowance for Materials Escalation.	

<u>ITEM: 26 – ALLOWANCE for Replacement of Existing Loop Detectors</u>	
<u>Measurement</u>	<u>Portion of contingency allowance amount authorized per Paragraph 11.02 of the General Conditions</u>
<u>Payment</u>	<u>Percent of direct cost (no markup) not to exceed contingency allowance amount authorized by Change Order</u>
<u>Schedule of Payment</u>	<u>Monthly based on progress and authorized by Change Order</u>
<u>Direct cost to repair or replace loop detectors damaged during construction activities. Only costs related to restoring pre-construction functionality of loop detectors shall be eligible for payment under this item. Contractor shall not receive payment for any unused portion of the allowance for replacement of existing loop detectors.</u>	

PART 2 - PRODUCTS (not used)**PART 3 – EXECUTION (not used)****END OF SECTION****Addendum No. 2**