The City of Lowell
City Hall • 375 Merrimack Street • Lowell, MA 01852
P: 978.970.4110 • F: 978.970.4114
www.LowellMA.gov

April 21, 2015

ADDENDUM #5
IFB 15-71
WATER SYSTEM IMPROVEMENTS PROJECT
DWSRF-3531, CONTRACT 2

The number of this Addendum, Addendum No. 5, must be entered in the space provided on the Bid Form.

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

GENERAL

- Masonry Filed Sub-Bids are being rebid via IFB 15-77. Masonry Sub-Bidders shall refer to IFB 15-77 for all information regarding the Masonry Filed Sub-Bid. Bidding documents for IFB 15-77 will be available on or after 10:00 AM local time on Wednesday, April 22, 2015. Masonry Filed Sub-Bid will be received until 11:00 AM local time on Wednesday, May 6, 2015.

SPECIFICATIONS

- Delete Section 00 11 16 Invitation to Bid entirely and replace with Section 00 11 16 Invitation to Bid that is included as an attachment to this Addendum (Addendum No. 5).
- Delete Section 00 41 02 Form for General Bid entirely and replace with Section 00 41 02 Form for General Bid that is included as an attachment to this Addendum (Addendum No. 5).
- Specification replacement pages identified in the following table are included as an attachment to this Addendum (Addendum No. 5), have an Issue Date of April 13, 2015 and contain reference to "ADDENDUM NO. 5" in the footers. Text changes are 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 41 03.05-1	00 41 03.05-2
01 11 20-11, 01 11 20-12	none
32 31 13-4	32 31 13-3

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DRAWINGS

- Drawing modifications are identified in the following table and do **NOT** involve replacement pages/sheets. Text changes are identified by double-underline for additions and ~~strikeout~~ for deletions.

Sheet No.	Modifications
C-503	-Revise item in CHAIN LINK SECURITY FENCE DETAIL as follows; "CHAIN-LINK FABRIC (~~6~~ 9 GAUGE, 2" MESH)"

Sincerely

P. Michael Vaughn
Chief Procurement Officer

SECTION 00 11 16

INVITATION TO BID

On behalf of the City of Lowell, Massachusetts (Owner and Awarding Authority), the Lowell Regional Water Utility (LRWU and Bidding Authority) invites Bidders to submit Bids for Contract No. 2, MA DEP Project No. DWSRF-3531, Water System Improvements, which includes, but is not limited to the Work described in Section 01 11 00 Summary of Work; and all materials, equipment, services and construction inherent to the Work.

The Work shall be substantially complete within 365 calendar days from the commencement of Contract Time and completed and ready for final payment 395 calendar days from the commencement of Contract Time.

This Project is to be funded in part with monies made available by the Drinking Water State Revolving Fund (SRF) and the Massachusetts Water Pollution Abatement Trust (the "Trust"), and compliance with the following is required: Diesel Retrofit Program; Disadvantaged Business Enterprise Program; the American Iron and Steel requirements of P.L. 113-76 (the Consolidated Appropriations Act of 2014); 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 149, Sections 44A-J. Sealed Sub-Bids are required for the following classes of Work.

roofing and flashing
painting
heating, ventilating and air-conditioning
electrical work
masonry work
elevators

General Bidders must be certified by the Commonwealth of Massachusetts Division of Capital Asset Management and Maintenance (DCAMM) for **Pumping Stations** or **Sewage and Water Treatment Plants**. Sub-Bidders must be DCAMM certified for their respective class of Work.

A mandatory pre Bid conference will be held at 10:00 AM local time on Monday, April 13, 2015 at the Lowell Water Treatment Plant, 815 Pawtucket Boulevard, Lowell, MA 01854 for General Bidders. All General Bidders are required to attend and participate in this conference regardless of whether or not they attended and participated in the pre Bid conference held on March 19, 2015.

Sub-Bids will be received until 11:00 AM local time on Thursday, April 2, 2015 at the City of Lowell Purchasing Department, City Hall, 375 Merrimack Street, Lowell, MA 01852, Attention: Mr. P. Michael Vaughn, Chief Procurement Officer. Sub-Bids filed will then and there be publicly opened and read aloud. Sub-Bids received after the time of announced opening will not be accepted.

Masonry Filed Sub-Bids are being rebid via IFB 15-77. Masonry Sub-Bidders shall refer to IFB 15-77 for all information regarding the Masonry Filed Sub-Bid. Masonry Filed Sub-Bids (IFB 15-77) will be received until 11:00 AM local time on Wednesday, May 6, 2015 at the City of Lowell Purchasing Department, City Hall, 375 Merrimack Street, Lowell, MA 01852, Attention: Mr. P. Michael Vaughn, Chief Procurement Officer. Sub-Bids filed will then and there be publicly opened and read aloud. Sub-Bids received after the time of announced opening will not be accepted.

General Bids will then be received until 11:00 AM local time on ~~Thursday, April 23, 2015~~ Wednesday, May 20, 2015 at the City of Lowell Purchasing Department, City Hall, 375 Merrimack Street, Lowell, MA 01852, Attention: Mr. P. Michael Vaughn, Chief Procurement Officer. General Bids will then and there be publicly opened and read aloud. General Bids received after the time of announced opening will not be accepted.

General Bidders must submit the DCAMM Prime/General Certificate of Contractor Eligibility and the DCAMM Prime/General Contractor Update Statement. Sub-Bidders must submit the DCAMM Filed Sub-Bid Certificate of Contractor Eligibility and the DCAMM Sub-Bidder Update Statement.

Sets of Bidding Documents may be examined at the following location(s) on or after 10:00 AM local time on Wednesday, March 11, 2015.

Issuing Office:
City of Lowell Purchasing Department
City Hall
375 Merrimack Street
Lowell, MA 01852
Attention: Mr. P. Michael Vaughn, Chief Procurement Officer
Phone: (978) 674-4110

Sets of Bidding Documents may be obtained on or after 10:00 AM local time on Wednesday, March 11, 2015

in electronic format at no cost by registering on the City of Lowell website.

http://www.lowellma.gov/purchasing

Bidding Documents can be found by click "Open Solicitations" under the Department Facts tab on the left hand side.

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 prices bid must accompany each General Bid and each Sub-Bid in accordance with the Instructions to Bidders.

Minimum wage rates as issued by 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) 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

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SECTION 00 41 02

FORM FOR GENERAL BID

To the Awarding Authority:

A. The Undersigned proposes to furnish all labor and materials required for the Water System Improvements in Lowell, MA, known as Contract 2 and corresponds with DWSRF-3531 and Project number 224802.20, in accordance with the accompanying Plans and Specifications prepared by Woodard & Curran, for the Total Contract Price written below, subject to additions and deductions according to the terms of the Contract Documents.

B. This Bid includes Addenda numbered:_____

C. The proposed Contract Price (excluding sales and use tax) is:

TOTAL LUMP SUM PRICE FOR ITEMS G1, G2, OC1, OC2, U1, U2, and S1-S5:

$_____
(in figures)

_____ Dollars and
(in words)

_____ Cents
(in words)

D. The subdivision of the proposed Contract Price is as follows (excluding sales and use tax).

Item G1 – Work of the General Contractor
(being all Work other than that covered in
Item G2, Owner's Contingency Allowance OC1, Owner's Contingency Allowance OC2, Unit Priced Items U1, U2, and Sub-Bids Items S1-S5)

G1 General Contractor Work for completing the Water System Improvements Project as specified and shown on the Drawings.

$_____

Item G2 – Work of the General Contractor for Wheelchair Lift (SRF INELIGIBLE)

G2 General Contractor Work to provide Wheelchair Lift as specified and shown on the Drawings including Elevator Filed Sub-Bid Work.

$_____

Item OC1 and OC2 – Owner's Contingency Allowances
per Paragraph 11.02 of the General Conditions (excluding Item G1, G2, U1, U2 and Sub-Bids Items S1-S5)

OC1 Owner's Contingency Allowance: General Contractor Work for additional Work associated with replacement of the Stackpole Street Pump Station. Not to exceed $ 200,000.00

OC2 Owner's Contingency Allowance: General Contractor Work for additional Work associated with abatement of hazardous materials at the Raw Water Pump Station. Not to exceed $ 30,000.00

Items U1 and U2 -- Unit Priced Items

Item No.	Item Description with Unit Price in Written Words	Estimated Quantity & Unit	Unit Bid Price		Total Bid Item Price	
			Dollars	Cents	Dollars	Cents
U1	Concrete Spall Repair @_____ _____ Dollars and _____/100 PER SQUARE FOOT	25 SF				
U2~~1~~	Rock Removal @_____ _____ Dollars and _____/100 PER CUBIC YARD	10 CY				

Sub-Bid Items S1 through S56:

Sub-trade	Name of Sub-Bidder	Amount	Bonds required (Yes or No)
Item S1: Roofing & Flashing		$	
Item S2: Painting		$	
Item S3: HVAC		$	
Item S4 (SRF INELIGIBLE): Electrical Item S4 (SRF ELIGIBLE): Electrical		$ $	
Item S5: Masonry		$	

The Undersigned agrees that each of the above named Sub-Bidders will be used for the Work indicated at the amount stated, unless a substitution is made. The Undersigned further agrees to pay the premiums for the performance and payment bonds furnished by Sub-Bidders as requested herein and that all of the cost of all such premiums is included in the amount set forth in Item 1 of this Bid.

The Undersigned agrees that if selected as general Contractor, Undersigned will promptly confer with the Awarding Authority on the question of Sub-Bidders; and that the Awarding Authority may substitute for any sub-Bid listed above, a sub-Bid filed with the Awarding Authority by another Sub-Bidder for the sub-trade against whose standing and ability the Undersigned makes no objection; and that the Undersigned will use all such finally selected Sub-Bidders at the amounts named in their respective Sub-Bids and be in every way as responsible for them and their Work as if they had been originally named in this General Bid, the total Contract Price being adjusted to conform thereto.

E. The Undersigned agrees that, if selected as general Contractor, Undersigned will within 5 days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the Awarding Authority, execute a Contract in accordance with the terms of this Bid and the Contract Documents and furnish a performance bond and also a labor and materials or payment bond, each of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the Awarding Authority and each in the sum of the Contract Price, the premiums for which are to be paid by the general Contractor and are included in the Contract Price; provided however that if there is more than 1 surety company, the surety companies shall be jointly and severally liable.

The Undersigned hereby certifies that Undersigned is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work; that all employees to be employed at the Work Site 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 that Undersigned will comply fully with all Laws and Regulations applicable to awards made subject to MGL Chapter 149, Section 44A.

The Undersigned further certifies under the penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection, the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. 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 Chapter 29, Section 29F, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or Regulation promulgated thereunder.

This Bid is submitted by the Undersigned.

A Corporation

Corporation Name: _____

State of incorporation: _____

Type: _____
(*General Business, Professional, Service, other*)

By: _____
(*Signature – attach evidence of authority to sign*)

Name (*typed or printed*): _____

Title: _____

(CORPORATE SEAL)
Attest: _____
(*Signature of Corporate Secretary*)

Business Address: _____

_____

Phone & Facsimile Nos: _____

Email address: _____

Date of qualification to do business as out-of-state corporation: _____

A Limited Liability Company (LLC)

LLC Name: _____

State in which organized: _____

By: _____
(*Signature – attach evidence of authority to sign*)

Name (*typed or printed*): _____

Title: _____

Business Address: _____

_____

Phone & Facsimile Nos: _____

Email address: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(*Signature of general partner – attach evidence of authority to sign*)

Name (*typed or printed*): _____

Business Address: _____

_____

Phone & Facsimile Nos: _____

Email address: _____

A Joint Venture

First Joint Venturer Name: _____

By: _____
(*Signature – attach evidence of authority to sign*)

Name (*typed or printed*): _____

Title: _____

Business Address: _____

_____

Phone & Facsimile Nos: _____

Email address: _____

Second Joint Venturer Name: _____

By: _____
(*Signature – attach evidence of authority to sign*)

Name (*typed or printed*): _____

Title: _____

Business Address: _____

_____

Phone & Facsimile Nos: _____

Email address: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, corporation and limited liability company that is a party to the joint venture should be in the manner indicated above.)

SUBMITTED ON:
State License No. (if applicable)
EIN/FEIN:

END OF SECTION

SECTION 00 41 03.05

FORM FOR SUB-BID – MASONRY

To all General Bidders Except those Excluded:

A. The Undersigned proposes to furnish all labor and materials required in for completing, in accordance with the hereinafter described accordance with the hereinafter described Drawings, Specifications and Addenda, all the Work identified in Section 01 11 20 and in any Plans specified in such section of the Specifications and according to the terms of the Contract Documents prepared by Woodard & Curran for the Water System Improvements in Lowell, MA, known as Contract 2 and corresponds with DWSRF-3531 and Project number 224802.20, for the contract sum (excluding sales and use tax) of

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)
~~S5A~~	~~Concrete Spall Repair All~~ ~~@~~ _____ _____ ~~Dollars and _____ Cents PER square foot~~	~~25~~ ~~SF~~		
S5A	Stucco Finish @_____ _____ Dollars and _____ Cents PER SQUARE FOOT	2331 SF		
S5B	Masonry Repointing @_____ _____ Dollars and _____ Cents PER LINEAR FOOT	100 LF		
S5C	Masonry Work (EXCLUDING items S5A and S5B above) @_____ _____ Dollars and _____ Cents (LUMP SUM)	1 Lump Sum (LS)	N/A	

TOTAL ITEM S5 BID SUM PRICE (ITEMS S5A-S5C):
based on Unit Price Schedule above $_____
(in figures)

_____ Dollars and
(in words)

_____ Cents
(in words)

B. This sub-Bid includes Addenda numbered:_____

C. This sub-Bid

☐ may be used by any General Bidder except:

_____

_____

☐ may only be used by the following General Bidders:

_____

_____

[To exclude General Bidders, insert "X" in one box only and fill in blank following that box. Do not answer C if no General Bidders are excluded.]

D. The Undersigned agrees that, if it is selected as a Sub-Bidder, Undersigned will, within 5 days, Saturdays, Sundays and legal holidays excluded, after presentation of a subcontract by the General Bidder selected as the general Contractor, execute with such general Contractor a subcontract in accordance with the terms of this sub-Bid, and contingent upon the execution of the Contract; and, if requested so to do in the sub-Bid by the General Bidder, who shall pay the premiums therefor, or if prequalification is required pursuant to MGL Chapter 149 Section 44D 3/4, furnish a performance and payment bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the Awarding Authority, in the full sum of the subcontract price.

E. The names of all persons, firms and corporations furnishing to the Undersigned labor or labor and materials for the class or classes or part thereof of Work for which the provisions of the section(s) of the Specifications for this sub-trade require a listing in this paragraph, including the Undersigned if customarily furnished by persons Undersigned's own payroll, and in the absence of a contrary provision in the Specifications, the name of each such class of Work or part thereto and the bid price for such class of Work or part thereof are:

MASONRY WORK
FILED SUB-BID REQUIREMENTS

A. The Work covered by the Specifications and Drawings listed below requires a filed sub-Bid in accordance with MGL c149, §44A through 44J, inclusive, as amended.

B. The Contracting Requirements in Division 00 and the General Requirements in Division 01 apply to the Work of this Section(s).

C. Examine all Drawings and Specifications for requirements that affect the Work of this Section(s).

D. Coordinate the Work of this Section(s) with related Work of other trades and cooperate with such trades to assure the steady progress of the Work under the Contract Documents.

E. The term "Contractor" in this Section(s) and all referenced ~~Drawings and~~ Specifications shall mean the Masonry Subcontractor except where "General Contractor" is specified. The term "Masonry Subcontractor" in all referenced Drawings shall mean the Masonry Subcontractor.

F. The work under the Masonry sub-Bid shall include, but not be limited to, the following Work at the Raw Water Pump Station:

1. Demolish existing brick veneer and limestone header and replace with new brick veneer and lintel for the new metal door and frame installation. New galvanized steel lintel shall be furnished by others but installed by Masonry Subcontractor. The metal door and frame shall be furnished and installed by others.

2. Demolish existing patterned screen block and provide new CMU infill.

3. Masonry repointing.

~~0.~~4. Stucco finish.

~~F.~~G. The Work under the Masonry sub-Bid is specified in the following Specification sections:

04 20 00 Unit Masonry
07 19 00 Water Repellents
09 24 23 Cement Stucco

and on the following Drawings:

~~All A (Architectural) series drawings~~
~~All S (Structural) series drawings~~
S-001, S-101 through S-103, and S-106

This listing of Drawings shall not limit the responsibility of the ~~Electrical~~ Masonry Subcontractor to determine the full extent of the Work required by the complete set of Drawings.

~~G.~~H. Requirements for Submitting Sub-Bids

1. Sub-Bids for Work under this Section shall comply with the requirements of MGL c149, §44F.

2. Sub-Bids shall be filed on the forms furnished by the Awarding Authority in the Bidding Requirements in a sealed envelope, at the time and place stipulated in the Advertisement for Bids and in accordance with the procedures and requirements set forth in the Bidding Requirements.

~~H.~~I. Sub sub-Bids are required for the following Work per paragraph E of the Form for Sub-Bid – Masonry which is customarily performed under subcontract with the Masonry Subcontractor.

NONE

END OF SECTION

1. Deliver two copies of operation and maintenance data covering the installed products. Manual to include parts list showing manufacturer's names and part numbers for the gate operator.

G. Closeout and Maintenance Material Submittals: per Division 01 General Requirements.

1.06 QUALITY ASSURANCE

A. Provide in accordance with Division 01 General Requirements.

B. Qualifications: per Division 01 General Requirements and as follows..

1. Provide chain link fences and gates as complete units controlled by a single source including necessary erection accessories, fittings, and fastenings.

2. Manufacturer and installer to each have a minimum five years' experience in chain link fence construction.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Provide in accordance with Division 01 General Requirements.

1.08 SITE CONDITIONS

A. Existing Conditions: per Division 01 General Requirements.

1.09 MAINTENANCE

A. Extra Materials: Furnish as specified below. Make interchangeable with and same material and workmanship as corresponding original parts.

1.10 WARRANTY

A. Special Warranty/Extended Correction Period

PART 2 – PRODUCTS

2.01 GENERAL

A. Dimensions shown for pipe, roll-formed, and H-sections are outside dimensions.

2.02 STEEL FENCING

A. Fabric

1. No. 9~~6~~ gauge ~~(0.148")~~ finished size steel wires, 2" mesh, with top selvages knuckled for fabric 72" high and under, and both top and bottom selvages twisted and barbed for fabric over 72" high.

2. Furnish one-piece fabric widths.

3. Fabric finish, galvanized, ASTM A 392, Class II, with not less than 2.0 oz. zinc per sq. ft. of surface.

B. Framework

1. Galvanized steel, ASTM A 120 or A 123, with not less than 1.8 oz. zinc per sq. ft. of surface. Bottom frame of fence shall be tension bar only, no rail.

C. Hardware and Accessories

1. Galvanized, ASTM A 152, with zinc weights per Table I.

D. Source Quality Control

1. Provide in accordance with Division 01 General Requirements.

2.03 FRAMING AND ACCESSORIES

A. End, Corner and Pull Posts

1. Minimum sizes and weights as follows: ~~6~~8' fabric height, 2.875" OD steel pipe, 5.79 lbs. per lin. ft., or 3.5" x 3.5" roll-formed sections, 4.85 lbs. per lin. ft.

~~B. Clarifier Fence End, Corner and Pull Posts~~

~~1. Minimum sizes and weights as follows: 4' fabric height, 2.875" OD steel pipe, 5.79 lbs. per lin. ft., or 3.5" x 3.5" roll-formed sections, 4.85 lbs. per lin. ft.~~

~~C.~~B. Line Posts

1. Space 10' o.c. maximum, unless otherwise indicated, 2.375" OD steel pipe, 3.65 lbs. per lin. ft. or 2.25" x 1.875" H-sections, 2.64 lbs. per lin. ft.

~~D.~~C. Gate Posts

1. Furnish posts for supporting single gate leaf, for nominal gate widths as follows:

Leaf Width	Gate Post	lbs./lin. ft.
Up to 6'	3.5" x 3.5" roll-formed	4.85