



# City of Cambridge

## PURCHASING DEPARTMENT

795 Massachusetts Ave. • Cambridge, Massachusetts 02139-3219

Amy L. Witts  
Purchasing Agent

**TO:** All Bidders

**FROM:** City of Cambridge

**DATE:** October 11, 2016

**RE:** File No. 7384 – Senior Center Roof Replacement - Addendum No. 1

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This addendum is comprised of:

1. Sign in sheet from pre-bid meeting
2. Changes to Specifications
3. Changes to Drawings
4. Questions and answers

Changes to Specifications:

1. 012200 Unit Prices, ADD page 2 attached.
2. 012300 1.3.B: DELETE Alternate No. 2 in its entirety.
3. 012300 1.3.C: DELETE Alternate No. 3 in its entirety.
4. ADD paragraph 042000 1.3.H *Structural Analysis Submittal* to read as follows:  
“Engage a professional structural engineer registered in the Commonwealth of Massachusetts to survey the condition of the building to determine whether cutting and removing any masonry elements might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during masonry cutting and removal operations. Provide a submittal including plans, elevations, details and calculations indicating the sequence of masonry cutting and removal, temporary support of remaining masonry and sequencing of re-installation of masonry. This submittal must be prepared, stamped and signed by a professional structural engineer registered in the Commonwealth of Massachusetts.”
5. 051200 1.5.F.4: DELETE sentence in its entirety and replace with “Welder qualification shall include passing the bend test and Charpy tests when Charpy values are specified for the electrode.”
6. 051200 1.5.J: DELETE paragraph in its entirety.
7. 051200 2.6.C.3 DELETE sentence in its entirety and replace with “Holes in column baseplates shall be no more than 3/8- inch larger than the nominal bolt size.”
8. 051200 2.8F: DELETE “galvanized or painted and REPLACE with “galvanized and painted.”
9. 051200 2.9.B: DELETE line in its entirety.
10. 051200 2.10.H, I and J: DELETE sections in their entirety and replace with;

H. *Factory Finishing*

1. *Toxicity: Solvent and electroplated coating systems are not permitted.*
  2. *Anti-Corrosive Paint: Comply with "Green Seal Standard for Anti-Corrosive Paints" (GC-03)*
11. 075400 1.2.B: DELETE "*Alternates: This Section is affected by Alternates. Refer to Section 012300 – ALTERNATES*" and replace with "*Not Applicable*".
  12. 075400 1.9.A and A.1: DELETE "*five year workmanship warranty*" and replace with "*three year workmanship warranty*".
  13. 075400 1.9.B: DELETE paragraph in its entirety and replace with "*Roofing Systems Manufacturer's Warranty: The roofing manufacturer shall guarantee roof areas to be in a watertight condition, for a period of 30 years, starting at the date of Substantial Completion of the portion of the Project of which the roof is a part. The warranty shall be a 30-year no dollar limit (NDL), non-prorated total system labor and material warranty, for wind speeds up to 105 miles per hour. Total system warranty shall include all roofing materials, related components and accessories including, but not limited to the substrate board, vapor retarder, insulation board, cover board, roofing membrane, membrane flashings, fasteners, adhesives, metal roof copings, metal roof edges and termination metals and roof drain assemblies. The manufacturer shall repair defects in materials and workmanship as promptly after observation as weather and site conditions permit.*"
  14. 075400 2.1.A.2: DELETE "*Thickness: 60 mils (1.5 mm) nominal*" and replace with "*Thickness: 80 mils (2.0 mm) nominal*".
  15. 075400 3.9: DELETE paragraphs "*A. Independent Testing Agency*" and paragraph "*B. Commissioning Authority*" in their entirety.
  16. 084113 2.4: DELETE paragraphs 1,2 and 3 in their entirety and replace with the following:
    1. *Basis of Design: Solarban 70XL by PPG Industries*
      - a. *Visible Light Transmittance: 64 percent.*
      - b. *Reflectance Visible Light: 12 percent.*
      - c. *U Value (Winter): 0.28.*
      - d. *Shading Coefficient: 0.32.*
      - e. *Solar Heat Gain Coefficient: 0.27.*
    2. *Other acceptable manufacturers subject to the requirements of the Basis of Design product:*
      - a. *Viracon*
      - b. *Guardian Industries*
      - c. *Old Castle Building Envelope*"
  17. 087100 1.2.b: DELETE the following:
    1. *Division 6 Section – Finish Carpentry*
    3. *Division 8 Section - Glass and Glazing*"
  18. 087100 3.5.C: ADD the following:

*HARDWARE SET NO. 02  
FOR USE ON DOOR #(S): 103*

1	EA	CONT HINGE	112HD	IVE
1	EA	CYLINDRICAL LOCK	ND80PD	SCH

**Changes to Drawings:**

1. A2.03, DEMOLITION KEYNOTE D1: DELETE "REMOVE EXISTING MEMBRANE ROOFING SYSTEM IN ITS ENTIRETY DOWN TO EXISTING STRUCTURAL DECK, SEE DETAIL 2/ A2.05" and REPLACE with "REMOVE EXISTING MEMBRANE ROOFING SYSTEM IN ITS ENTIRETY DOWN TO EXISTING STRUCTURAL DECK INCLUDING BUT NOT LIMITED TO 3"RIGID INSULATION, ADHERED MEMBRANE, FLASHING AT ALL ROOF AREAS AS WELL AS ½" RECOVERY BOARD AT LOWER ROOF."
2. A4.02, ROOF PLAN KEYNOTE R12: DELETE "NEW PLANTERS AND STORAGE UNIT" and REPLACE with "NEW PLANTERS AND STORAGE UNITS, NOT IN CONTRACT."
3. A5.01: DELETE "ALTERNATE NO. 2: PROVIDE NEW PREFINISHED, EXPOSED FASTENER, CORRUGATED METAL PANEL SYSTEM INSTALLED ON EXISTING STRUCTURE."
4. A5.01, detail 6: DELETE sentence "NEW CORRUGATED METAL PANEL SYSTEM."
5. A5.01: delete Elevation 1 in its entirety.

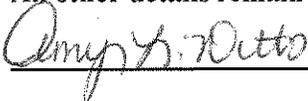
**Questions and answers:**

The following question were asked and answered:

1. **Question:** I was wondering why the roofing and flashing is a sub bid and not the general contractor bid if the project is roof replacement.  
**Answer:** The project includes additional scope of work, not solely a roof replacement.
2. **Question:** Can you tell me if the ductwork and sound attenuators are to be replaced? The notes on drawing M4.02 and M4.03 calls for the replacement of the ductwork and sound attenuators but in another note is says to reuse the duct silencer. Need Clarification.  
**Answer:** Ductwork is to be demolished and replaced with new. Sound attenuators are to be removed, stored, and reinstalled.
3. **Question:** What are the refrigerant pipe sizes? The existing equipment tonnage is not stated on the drawings. Is the system R22 or R410A refrigerant. Is the refrigeration piping a single circuit with hot gas or two circuits with hot gas? Need clarification.  
**Answer:** AC-1 is 19.2 tons, AC-2 is 23.2 tons and AC-3 is 32.2 tons. Refrigerant lines are 1-5/8" (suction) and 7/8" (liquid). R-410A refrigerant. It is understood to be a single circuit w/hot gas. Contractor to verify.
4. **Question:** What is the model of the condensing unit labeled DXC#1 that requires an equipment stand?  
**Answer:** Trane model TTR030C100A2, Serial No. J39201150. Manufactured 9/1994, HCFC-22 (R-22).

5. **Question:** Exhaust Fan #2 notes is calling for the fan to be replaced along with the roof curb. There is no mention of the fan on the exhaust fan schedule. Need clarification.  
**Answer:** See Drawing M4.03 Mechanical Note #3.
6. **Question:** Who is the BMS contractor of record? Not indicated on the drawing except to reconnect to the existing BMS system other than it is a Tridium system.  
**Answer:** Control Technologies, Inc.
7. **Question:** Detail #9 on DWG# M8.00, does the mechanical contractor own the steel support frames? If we do, what is the size of the wide flange beam, vertical round pipes. Is the material steel painted or galvanized steel?  
**Answer:** Yes, HVAC Contractor to supply ductwork supports. All ductwork & piping supports are to be provided by contractor means and methods and not necessarily dictated per detail #9 M8.00.
8. **Question:** Detail #2 on dwg. #M8.00, does the mechanical contractor own the duct roof curbs?  
**Answer:** Rooftop duct enclosure at roof penetration is per architectural drawings. Refer to detail #1 / A8.02.
9. **Question:** Sec. 075400, item 3.9B calls for Exterior Enclosure Commissioning per Sec. 019115 in book.  
**Answer:** See "Changes to Specifications" section of this addendum (item#15).
10. **Question:** Det. 2/A2.05 – Demo Roof System – The existing roof system components are not indicated. Is there existing roof cut information available for our use?  
**Answer:** See "Changes to Drawings" section of this addendum (item #1).
11. **Question:** Insurance requirements: Excess Umbrella Liability: \$15M – are the subs required to carry the \$15 M limit?  
**Answer:** The requirements listed in the bid must be held by the general contractor.
12. **Question:** I am requesting that the 5–year contractors warranty on the roofing be changed to 1 ( or up to 3) years. The surety company will not issue a bid bond for projects requesting 5 year warranties.  
**Answer:** See "Changes to Specifications" section of this addendum (item#12).

All other details remain the same.

  
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Amy L. Witts  
Purchasing Agent

PRE-BID CONFERENCE SIGN IN SHEET

PROJECT: 1801.2 Citywide Senior Center Roof Replacement  
 DATE/TIME: Monday, October 3, 2016 at 10:00 AM  
 LOCATION: CITYWIDE SENIOR CENTER  
 806 MASSACHUSETTS AVENUE, CAMBRIDGE, MA

NAME: <u>ERIC ROY</u>	COMPANY: <u>SILK TOWN ROOFING</u>	ADDRESS: <u>134 FERRY ST. SGRAFTON MA</u>	<u>01520</u>
PHONE NO.: <u>508 887 8908</u>	FAX NO.: <u>508 887 8918</u>	E-MAIL ADDRESS: <u>ERICROYTH@SILKTOWNROOFING.COM</u>	
NAME: <u>SCOT ROBERT</u>	COMPANY: <u>GREENWOOD IND</u>	ADDRESS: <u>640 LINCOLN ST. WORCESTER MA</u>	<u>01605</u>
PHONE NO.: <u>508-865-4040</u>	FAX NO.: <u>508-865-1123</u>	E-MAIL ADDRESS: <u>SNOBERT@greenwood-industries.com</u>	
NAME: <u>John Higgins</u>	COMPANY: <u>J.D RIVET</u>	ADDRESS: <u>1635 PAGE BLVD INDIAN OCEAN, MA</u>	
PHONE NO.: <u>413-543-5660</u>	FAX NO.:	E-MAIL ADDRESS: <u>GBROWN@JDRIVETROOFING.COM</u>	
NAME: <u>Kyle Coakson</u>	COMPANY: <u>Cam HVAC + construction</u>	ADDRESS: <u>116 Lydia Ann Rd Smithfield, RI</u>	
PHONE NO.: <u>401-232-7230</u>	FAX NO.:	E-MAIL ADDRESS: <u>Cathy@CamHVAC.com</u>	
NAME: <u>PAUL DIGIANDOMENICO</u>	COMPANY: <u>10N ARCHITECTURE</u>	ADDRESS: <u>101 SUMMER ST., BOSTON, MA.</u>	
PHONE NO.:	FAX NO.:	E-MAIL ADDRESS: <u>pdigian@10narch.com</u>	
NAME: <u>REBECCA HATCHADRIAN</u>	COMPANY: <u>ARUP</u>	ADDRESS: <u>955 MASS AVE CAMBRIDGE MA</u>	
PHONE NO.:	FAX NO.:	E-MAIL ADDRESS: <u>rebecca.hatchadrian@arup.com</u>	

PRE-BID CONFERENCE SIGN IN SHEET

PROJECT: 1601.2 Citywide Senior Center Roof Replacement  
 DATE/TIME: Monday, October 3, 2016 at 10:00 AM  
 LOCATION: CITYWIDE SENIOR CENTER  
 806 MASSACHUSETTS AVENUE, CAMBRIDGE, MA

NAME: Julie Lynch	COMPANY: Dpw Cambridge	ADDRESS: 197 Hampshire St.
PHONE NO.: 617-349-9452	FAX NO.:	E-MAIL ADDRESS: jlynch@cambridge.ma.gov
NAME: MARK CASEY	COMPANY: CASEY BEAS INC	ADDRESS: 197 GAROVER ST, WEST ROXBURY MA
PHONE NO.: 617 327 2374	FAX NO.:	E-MAIL ADDRESS: MARKCASEY@VERIZON.NET
NAME:	COMPANY:	ADDRESS:
PHONE NO.:	FAX NO.:	E-MAIL ADDRESS:
NAME:	COMPANY:	ADDRESS:
PHONE NO.:	FAX NO.:	E-MAIL ADDRESS:
NAME:	COMPANY:	ADDRESS:
PHONE NO.:	FAX NO.:	E-MAIL ADDRESS:

decreases). No additional adjustment will be allowed for overhead, profit, insurance, or other direct or indirect expenses of the Construction Manager or Trade and Non Trade Contractors.

<u>Item Description</u>	<u>Quantity</u>
1. Structural Wood Deck: Replacement of damaged or rotted structural wood deck at upper roof.	200 SF

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION