

ADDENDUM NO 1.

Bidding and Contract Documents

For

**Maintenance Garage Roof Replacement
Lawrence Municipal Airport
North Andover, Massachusetts**

March 31, 2017

PREPARED BY:
Stantec Consulting Services, Inc.
5 Burlington Woods Drive
Burlington, MA 01803-4542

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1

Prospective Bidders and all concerned are hereby notified of the following changes in the Contract Documents for MAINTENANCE GARAGE ROOF REPLACEMENT at LAWRENCE MUNICIPAL AIRPORT. These changes shall be incorporated in and shall become an integral part of the contract documents. The number (No. 1) of this addendum must be entered into the space provided on Pages P-1 and P-6 of the BID PROPOSAL DOCUMENT FOR AIRPORT IMPROVEMENTS. These changes will be incorporated into the Conformed Contract Documents to be issued to the successful bidder.

CONTRACTOR'S QUESTIONS

During the bidding phase of this project, questions have been submitted in writing. The following questions, along with a response, are provided as clarification.

Q1: Does the demolition fall under the roofing sub-bidder or is the responsibility of the general contractor?

A1: General Contractor.

Q2: Does the steel deck install fall under the general bidder or the roofing subcontractor?

A2: General Contractor.

Q3: Does the general bidder carry the electrical and plumbing numbers?

A3: Yes.

Q4: The plans show a vapor barrier on the roof, but it is not mentioned in the specifications. Is there a vapor barrier? If so, is there a specification section for it?

A4: Vapor barrier is required. See revisions to specification Section 075323, included in this Addendum.

Q5: Will the G.C. or the roofing FSB own tearing off the existing roof and roof deck?

A5: General Contractor.

Q6: Will the G.C. or the Roofing FSB own keeping the building water-tight while the existing roof and roof deck are being removed and the new metal roof deck is installed?

A6: General Contractor.

Q7: In reference to attachment method of insulation - Sec. 075323 – Item 3.3.G.1 and G.2 call for hot mop attachment, Item 3.3.G.3 calls for insulation adhesive, and Item 3.3.G.4 and G.5 call for fasteners. Could you please confirm means for attaching insulation?

A7: Delete hot mop attachment. Insulation adhesive is for tapered insulation attachment, and fasteners are for attaching substrate board. See revisions to specification Section 075323, included in this Addendum.

Q8: Sec. 075323, Item 3.8.A – testing agency to inspect substrate conditions, prep. and membrane installation – can this be performed by roof manufacturer technical personnel?

A8: Yes.

Q9: Drawings A-010 and A-011 – all details call for AVB membrane – there is none specified.

A9: Vapor barrier is required. See revisions to specification Section 075323, included in this Addendum.

Q10: As for GC items – Section 60 – Control of Materials – Item 60-05 Engineer's Field Office states that this item is not used. Spec. Section 01500 – Item 1.7 calls for field office. Could you please confirm if a field office is required for this project?

A10: Field office is not required. See revisions to specification Section 015000, included in this Addendum.

REVISIONS TO CONTRACT SPECIFICATIONS

Article I – Contracts and Conditions

1. In **INVITATION TO BID**, on page I-1, in the first sentence of the second paragraph, **DELETE** “Wednesday, April 5, 2017 at 11:00 a.m.” and **REPLACE WITH** “Friday, April 7, 2017, at 11:00 a.m.”

NOTE: THE FILED SUB-BID OPENING HAS BEEN DELAYED FROM WEDNESDAY APRIL 5 AT 11:00 AM TO FRIDAY APRIL 7 AT 11:00 AM.

Article III – Technical Specifications

2. In **SECTION 015000 TEMPORARY FACILITIES AND CONTROLS**, on page 015000-3, **DELETE** the following section:

“1.7 TEMPORARY FACILITIES

A. Field Offices, General: Prefabricated or mobile units with serviceable

finishes, temperature controls, and foundations adequate for normal loading.

- B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities and to accommodate Project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
1. Furniture required for Project-site documents including, plan tables, plan.
 2. Conference area of sufficient size to accommodate meetings of 6 six individuals. Provide electrical power service and 120-V ac duplex receptacles, with no fewer than one receptacle on each wall. Furnish area with conference table, chairs,
 3. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 deg F.
 4. Lighting fixtures capable of maintaining average illumination of 20 fc at desk height."

And **REPLACE WITH** the following section:

"1.7 TEMPORARY FACILITIES

- A. Field offices are not required for this project. General Contractor shall supply temporary portable toilet facilities for the Contractor's and Subcontractor's labor force as required. General Contractor shall be responsible for protecting these facilities from damage. All costs associated with supplying, cleaning, maintaining, protecting, and removing portable toilet facilities shall be considered incidental to pay item A-100-3.1."
3. In **SECTION 015000 TEMPORARY FACILITIES AND CONTROLS**, on page 015000-4, in section C. Sanitary Facilities, **DELETE** the following section:
- "1. Toilets: Use of Owner's existing toilet facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use."
4. In **SECTION 075323 ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING**, on page 075323-8, after section **2.6 SUBSTRATE BOARD AND ACCESSORIES**, **INSERT** the following paragraph:

"2.7 VAPOR RETARDER

- A. Self-Adhering-Sheet Vapor Retarder: ASTM D 1970, polyethylene film laminated to layer of rubberized asphalt adhesive, minimum 40-mil- (1.0-mm-) total thickness; maximum permeance rating of 0.1 perm (6 ng/Pa x s x sq. m); cold applied, with slip-resisting surface and release paper backing. Provide primer when recommended by vapor-retarder manufacturer."

5. In **SECTION 075323 ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING**, on page 075323-10, in section 3.5G, **DELETE** the following paragraph:

- "2. Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature."

6. In **SECTION 075323 ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING**, on page 075323-11, after section **3.7 BASE FLASHING INSTALLATION**, **INSERT** the following paragraph:

"3.7A VAPOR RETARDER

- A. Self-Adhering-Sheet Vapor Retarder: Prime substrate if required by manufacturer. Install self-adhering-sheet vapor retarder over area to receive vapor retarder, side and end lapping each sheet a minimum of 3-1/2 inches (90 mm) and 6 inches (150 mm), respectively. Seal laps by rolling."

INFORMATION FROM PRE-BID MEETING

1. A copy of the attendance sheet from the pre-bid meeting is included with this Addendum No. 1.

Note that Addendum No. 1 consists of 5 pages of text and the following attachments:

1. Pre-bid Conference Attendance Sheet.

END OF ADDENDUM NO. 1

MEETING ATTENDANCE RECORD



Purpose: **Lawrence Municipal Airport
Maintenance Garage Roof Replacement
Pre-Bid Conference**

Date: March 29, 2017 Time: 10:00 AM

Location: Lawrence Municipal Airport Terminal, Airport Manager's Office

PARTICIPANT DATA

| | NAME | REPRESENTING | TELEPHONE | EMAIL |
|----|-------------------|----------------------------|--------------|---------------------------------------|
| 1 | David Rich | Stantec | 617-459-6796 | david.rich@stantec.com |
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| 3 | Scot Robert | Greenwood Ind | 508-865-4040 | Srobert@greenwood-industries.com |
| 4 | Ernest | ARM | 413-537-0350 | Ernestroofing@AOL.com |
| 5 | Hector Sanchez | Emmanuel Construction | 508-367-1679 | HectorSanchez21@msw.com |
| 6 | Michael P. Miller | Lawrence Municipal Airport | 978-794-5880 | m.miller@LawrenceMunicipalAirport.com |
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