

**TRANSIT MAINTENANCE FACILITY  
ROOF REPLACEMENT PROJECT  
PROJECT No. 17-019R; BID No. 460-340R  
ADDENDUM No. 1  
April 20, 2018**

This Addendum Number 1 consists of the following and shall become a part of the contract documents for this project and shall be included in the bid documents. Bidder MUST acknowledge this Addendum in the Bid Form.

1. Revisions to the Invitation to Bid
  - A. Period of days bids may be held.
2. Revisions to Instruction To Bidders-Lump Sum
3. Revisions to the Supplemental Technical Specifications
  - A. Section 7: Supplemental Technical Specifications

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1. Invitation to Bid
    - A. No bid may be withdrawn within a period of ~~Sixty (60)~~ Ninety (90) days after the date fixed for opening Bids.
  2. Instruction To Bidders-Lump Sum
    - A. Article 18
      - i. 18.01 - All Bids will remain Subject to acceptance for ~~sixty (60)~~ ninety (90) days
  3. Section 7: Supplemental Technical Specification
    - A. Revision to the General (Roof)
      - 1) 2.01 Modified Bitumen Roof Installation (Base Bid).
        - C. New Tear-off roofs will receive new insulation and a 3-ply APP modified bitumen roof system, as specified in the standard specifications, with a minimum warranty of 20 years unless otherwise specified. ~~Contractor may salvage the existing bottom 3" of ISO insulation.~~
      - 2) 2.01 Modified Bitumen Roof Installation (Base Bid).
        - I. ~~Reuse existing metal wall coping and secure with new fasteners, same type as existing. Touch-up coping paint where damaged by roofers.~~  
(replace with)

## **COPING**

### **SECTION 7 Supplemental Technical Specification**

#### **2.01 Modified Bitumen Roof Installation (Base Bid)**

##### **Item (I. PREFORMED METAL COPING)**

### **1. WORK SPECIFIED HEREIN**

- 1.1 All labor, material, equipment, and services necessary to furnish and install metal coping as shown or specified.

### **2. SPECIFIED PRODUCTS AND SUBSTITUTIONS**

- 2.1 In accordance with Section 7 Part 2 – Products 2.01 Approved by Specified Manufacturers.

### **3. SUBMITTALS**

- 3.1 Submittals required.
- 3.2 Submit detailed Product Data including complete installation details.
- 3.3 Submit Shop Drawings
- 3.4 Submit 12 inch by 12 inch Samples of sheet metal material. Sample shall indicate finish, color and thickness.
- 3.5 Submit complete color chart for Owners color selection.

### **4. QUALITY ASSURANCE**

- 4.1 Applicable standards:
  - 4.1.1 SMACNA: “Architectural Sheet Metal Manual”, Sheet Metal and Air Conditioning Contractors National Association, Inc.
  - 4.1.2 AISC: “Steel Construction Manual”, American Institute of Steel Construction.
  - 4.1.3 AISI: “Cold Form Steel Design Manual”, American Iron and Steel Institute.
- 4.2 Manufacturer’s qualifications:
  - 4.2.1 Manufacturer has a minimum of three years experience in manufacturing panels of this nature.
- 4.3 Installer’s qualifications:
  - 4.3.1 Installer of the system shall be an approved installer, certified by the manufacturer, and meet the following minimum criteria:
  - 4.3.2 Maintain general liability coverage for each loss as required by contract.
  - 4.3.3 Maintain sufficient worker’s compensation coverage as mandated by law.

- 4.3.4 Has no viable claims pending regarding negligent acts or defective workmanship on previously performed or current projects.
- 4.3.5 Has not filed for protection from creditors under any state or federal insolvency or debtor relief statutes or codes.
- 4.3.6 Project foreman is the person having received specific training in the proper installation of the specified system and will be present to supervise whenever material is being installed.
- 4.3.7 Provide certification letter that installer has a minimum of three years of metal product installation experience immediately preceding the date upon which work is to commence.
- 4.4 Pre-installation Conference:
  - 4.4.1 Prior to installation of coping system, conduct a pre-installation conference at the project site.
  - 4.4.2 Attendance: Owner, Architect, Contractor, Project Superintendent, and Roof Applicator
  - 4.4.3 Agenda:
    - 4.4.3.1 Coping details and agenda
    - 4.4.3.2 Critical work sequencing and review of phasing plan
    - 4.4.3.3 Inspection sequencing

## 5. MATERIALS

- 5.1 Preformed metal coping:
  - 5.1.1 Products –Coping System compliant with approved roofing manufactures.
- 5.2 Gauge:
  - 5.2.1 24 gauge: galvanized steel sheet
- 5.3 Splice plates shall be galvanized steel and shall match color and finish of coping. Splice plates shall be 12" long, spaced 10'-0" o.c..
  - 5.3.1 Anchor plates shall be 22 gauge galvanized steel mechanically secured to the top of the parapet wall every 12-18" o.c..
  - 5.3.2 Provide mitered corners, expansion joints, and any special accessory pieces for complete installation.
- 5.4 Finish:
  - 5.4.1 Fluoropolymer coating produced with Kynar 500 or Hylar 5000 resin (20 year warranty).
- 5.5 Color:
  - 5.5.1 To Match Existing.
- 5.6 **Acceptable manufacturer:**
  - 5.6.1 Coping systems compliant with approved roofing manufactures
- 5.7 Fasteners:
  - 5.7.1 All self-locking rivets and other suitable fasteners shall be supplied by coping manufacturer.

**6. ACCESSORIES**

- 6.1 Provide all components required per the metal coping system manufacturer's approved shop drawings for a complete system.
  - 6.1.2 All joint sealant is to be a one-part elastomeric polyurethane sealant approved by the metal roof system manufacturer.

**7. EXECUTION**

- 7.1 Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.
- 7.2 Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions. .
- 7.3 Installation
  - 7.3.1 Accurately lay out the anchor plates 12-18" o.c. or as recommended by manufacturer
  - 7.3.2 Attach splice plates to anchor plates as recommended by manufacturer. Apply butyl sealant tape to the top of the splice plate.
  - 7.3.3 Fully engage hemmed 30-45° kick on front face of coping to kicked front leg of anchor plates – Front leg must maintain a minimum 4" leg. Pivot coping into position over each anchor plate. Hand crimp back of coping over ½" anchor plate kick to secure coping - Back leg of coping must maintain a minimum 4" leg.
  - 7.3.4 Leave ¼" joint between abutting ends at splice plates allowing for thermal expansion.
  - 7.3.5 Finished installation shall be straight and true.

**8. CLEANING, PROTECTION**

- 8.1 Dispose of excess materials and remove debris from site.
- 8.2 Clean work in accordance with manufacturer's recommendations.
- 8.3 Protect work against damage until final acceptance. Replace or repair to the satisfaction of the Architect and Owner, any work that becomes damaged prior to final acceptance.
- 8.4 Touch up minor scratches and abrasions.

**9. PROJECT CLOSE-OUT**

- 9.1 Issue a written guarantee to the Owner to maintain the roof and flashing in a watertight condition for a period dictated by the contract from the date of substantial completion.
- 9.2 Issue a written 20-year guarantee from the manufacturer for the panel finish system.

END OF SECTION

END OF ADDENDUM



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Brady McKinley, Assistant Director  
Public Works & Transportation

20 APRIL 2018

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Date