

**RHODE ISLAND PUBLIC TRANSIT AUTHORITY**

**Invitation for Bid Number 13-27**

**Addenda One**

**April 18, 2013**

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**Acknowledgment of Addenda**

The undersigned acknowledges receipt of the following addenda to the bidding document:

**THE COMPLETED ACKNOWLEDGEMENT OF ADDENDA FORM  
SHOULD BE RETURNED WITH BID RESPONSE PACKAGE: NOT  
SENT TO RIPTA SEPARATELY**

NOTE: Failure to acknowledge receipt of all addenda may cause the bid to be considered non-responsive to the solicitation. Acknowledged receipt of each addendum must be clearly established and included with the bid.

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Name of Bidder

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Street Address

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City, State, Zip

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Signature of Authorized Official

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Date

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Attached please find the following:

Revised Insurance Requirements

Revisions to Technical Specifications

Minutes of Pre-Bid Meeting April 17, 2013

Request for Approved Equal and RIPTA Response from Nadeau Corporation

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**Revisions to Technical Specifications**

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**XX. REVISED INSURANCE REQUIREMENTS**

The Bidder will be required to secure and maintain the following insurance coverages:

**A. Minimum limits**

1. Commercial comprehensive general liability insurance, with limits of \$3,000,000.00 per accident and \$5,000,000.00 aggregate.
2. Workers' Compensation Coverage in accordance with RI Statutory requirements.
3. The Rhode Island Public Transit Authority shall be named as additional insured under said policies.
4. Automotive Liability Insurance
  - \$1,000,000.00 per accident and \$3,000,000.00 aggregate: bodily injury.
  - \$1,000,000.00 property damage
  -

**B. Certificate Requirements**

1. Each bidder must provide RIPTA a Certificate of Insurance upon award of the contract. Coverage indicated on certificate must be kept in effect at all times during the contract period
2. The General Liability Coverage shall include Contractual Liability and Completed Operations Coverages. The General Liability coverage, certificates must name: RIPTA and its respective directors, officers, employees, and affiliates as additional insureds. Reference should be made to project or job number and location.
3. A Waiver of Subrogation in favor of RIPTA must apply to the General Liability, Employers Liability, and Excess Liability / Umbrella policies.
4. Automobile Liability must cover any owned, rented, hired or borrowed vehicles.
5. The Excess or Umbrella coverage must provide the required Liability limit over the General Liability, Automobile Liability, Employers Liability s, Professional Liability and Environmental Liability policies (if required).
6. If bidder is to use any subcontractor during the course of the project, the subcontractor must maintain the same limits and terms as the bidder. Certificates of Insurance for subcontractors must be provided to RIPTA with the Bidder's Submittal after award of the Contract.

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7. All certificates of insurance must indicate the carrier policy cancellation terms.
8. All bidders must utilize insurance companies with a "Best" Rating of no less than A-, Size VIII.

#### **C. Special Coverages**

- 1 Contractor must maintain Environmental Pollution coverage with limits no less than \$1,000,000 if contractors work includes the transport, delivery, storage, handling or disposal of any pollutants or other hazardous materials. This insurance is also required for all contracts involving any work on RIPTA's storage tanks, and fluid distribution systems
- 2 Installation Floater Insurance is required for all construction projects equal to the value of the project.
- 3 Professional Liability/Errors and Omission coverage shall be included in all Professional Services Contracts

Bidder shall provide to RIPTA Contracts Manager a Certificate of Insurance upon award of contract. This Certificate shall be kept in effect at all times. Current copies shall be provided to the Contracts Manage

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**XXI. REVISIONS TO TECHNICAL SPECIFICATIONS**

- **Replace existing SECTION 07 60 00 – FLASHING AND SHEET METAL, in it's entirety with the attached.**
- **Any/All new wood blocking is to be PT (pressure treated).**
- **The interior openings for all skylights will be finished to match existing and will completely cover all framing.**

**SECTION 07 60 00 – FLASHING AND SHEET METAL**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

A. Section Includes:

1. Metal flashing and counter flashing and related expansion joints.
2. Metal gravel stops, trim and related expansion joints.
3. Metal gutters and downspouts (rain drainage).
4. Metal soffit systems, vented and unvented.
5. Metal drip edge.
6. Metal roof drains and domes

**1.3 RELATED WORK UNDER OTHER SECTIONS:**

1. Flashing (fabric, composite, and/or metal) built into masonry.
2. Roof Accessories – Division 07

**SUBMITTALS:**

- B. Product Data: For information only, submit copies of specifications, installation instructions and general recommendations by the manufacturer of flashing and sheet metal materials. Include published data or certified test data for each material showing compliance with the requirements.
- C. Samples: Submit 12" square samples of each specified metal which is to be exposed with a shop finish, as flashing, trim or rain drainage. Samples will be reviewed by Architect for color and texture only. Compliance with other requirements is the exclusive responsibility of the Contractor.
- D. Certificate: Submit certification indicating metal coping, fascias and gravel stop systems comply with ASNI/SPRI ES-1 "Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems".
- E. Mock-up: Submit 20 foot long section of metal fascia, fabricated from approved metal, indicating selected profile, attachment system, jointing and seaming system.

**1.4 JOB CONDITIONS:**

- A. Do not proceed with the installation of flashing and sheet metal work until curb and substrate construction, cant strips, blocking, reglets and other construction to receive the work is completed.
- B. Examine the substrate and the conditions under which flashing and sheet metal work is to be performed, and do not proceed with the work until unsatisfactory conditions have been corrected.

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#### PART 2 - PRODUCTS

##### 2.1 MATERIALS:

- A. Exposed Sheet Metal: (Including gravel stops and rain drainage.)
  - 1. Aluminum Sheet: Prefinished; .032" (20 gauge; 26,000 PSI yield strength); specially tempered to allow radius bends and forming without finish cracks.
    - a. Finish: Clean metal and apply conversion coating as per ASTM B 449. Prime with epoxy and finish with 0.8 dry mil coating of fluoropolymer in color as selected. (Provide 0.5 dry mil acrylic coating on concealed side.)
    - b. Texture: Smooth or embossed, as selected.
    - c. Warranty: Provide copies of written twenty (20) year warranty covering color fading, chalk and film integrity.
  - 2. Stainless Steel Sheet: AISI Type 302/304 stainless steel or strip, complying with ASTM A 167; dead soft; No. 2D conventional dull finish; or,
- B. Zinc-Tin Alloy-Coated Copper Sheet: ASTM B 370, cold-rolled copper sheet, H00 temper, of minimum uncoated weight (thickness) indicated; coated on both sides with a zinc-tin alloy (50 percent zinc, 50 percent tin).
  - 1. Products: Subject to compliance with requirements, provide the following:
    - a. Revere Copper Products, Inc.; FreedomGray.
    - b. Or approved equal.
- C. Concealed Sheet Metal:
  - 1. Stainless Steel Sheet: AISI Type 302/304 stainless steel or strip, complying with ASTM A 167; dead soft; 28 gauge (0.015 inches thick); No. 2D conventional dull finish; or,
  - 2. Copper Sheet: Cold-rolled sheet copper, complying with ASTM B 370, except soft temper; 28 gauge (16 oz./sq. ft.), CDA 2B (bright) finish.
- D. Miscellaneous Materials:
  - 1. For metal work, provide the type solder and fasteners recommended by the producer of the metal sheets.
  - 2. For non-metallic work, provide the types of substrate primers, adhesives, tapes and fasteners recommended by the producer of the non-metallic items.
  - 3. Roofing Cement: ASTM D 2822.
  - 4. Bituminous Coating: FS TT-C-494, or Mil-C-18480, or SSPC-Paint 12, cold-applied bituminous mastic, compounded for 15-mil dry film thickness coating.
  - 5. Glass-Fiber Mesh Fabric: 20-by-20 or 20-by-30 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh

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resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration; in the following color. Comply with ASTM D 3656. Color as selected.

- E. Fabricated Metal Flashing, Rain Drainage and Trim:
  - 1. Shop fabricate metal flashing, trim, expansion joints, gutters, downspouts, conductor heads, scuppers, fascia, splash pans and similar items to comply with profiles and sizes shown, and to comply with standard industry details by SMACNA in the "Architectural Sheet Metal Manual". Provide watertight seams, and fold back metal to form a hem on the concealed side of exposed edges, where required. Fabricate work from the metal specified above.
- F. Drip Edge:
  - 1. Provide prefinished, prefabricated aluminum drip edges.

#### 2.2 METAL ROOF DRAIN DOMES

- A. Cast-Iron, Medium-Sump, General-Purpose Roof Drain Domes:
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide **cast iron, general purpose roof drain domes** or comparable product by the following:
    - a. Zurn Plumbing Products Group; Light Commercial Products Operation.
    - b. Or equal.
  - 2. Standard: ASME A112.6.4, for general-purpose roof drains.
  - 3. Body Material: Cast iron.
  - 4. Dimension of Body: **8- to 12-inch (203- to 305-mm)** diameter. (match existing plastic roof drain domes for size)
  - 5. Use all accessories as recommended by roof drain dome manufacturer.

#### PART 3 - EXECUTION

##### 3.1 GENERAL INSTALLATION REQUIREMENTS:

- A. Comply with manufacturer's instructions and recommendations for handling and installation of flashing and sheet metal work.
- B. Performance: Coordinate the work with other work for the correct sequencing of items which make up the entire membrane or system of weatherproofing or waterproofing and rain drainage. It is required that the flashing and sheet metal work be permanently watertight, and not deteriorate in excess of manufacturer's published limitations.

##### 3.2 INSTALLATION OF METAL WORK:

- A. Comply with details and profiles as shown, and SMACNA "Architectural Sheet Metal Manual" recommendations for installation of the work.

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- B. For non-moving seams provide soldered flat-lock seams. Comply with metal producers' recommendations for tinning, soldering and cleaning the joints.
- C. Provide for thermal expansion of all exposed sheet metal work exceeding 15'-0" running length.
  - 1. Valleys and Gutters: 40'-0" maximum spacing, and located at high points in drainage system wherever possible.
    - a. Reduce above spacing to 30'-0" for aluminum or zinc alloy valleys and gutters.
  - 2. Flashing and Trim: 10'-0" maximum spacing, and located 2'-0" from corners and intersections.
- D. Conceal fasteners and expansion provisions. Fold back edges on concealed side of exposed edges, to form a hem. Where fasteners cannot be concealed, provide non-ferrous fasteners.
- E. Insert flashings into reglets, if shown. Anchor by mechanical means, including driven wedges of lead or other compatible metal, spaced 2'-0". Seal the joint with sealant as indicated.
  - 1. Refer to 079000 section for sealants.
- F. Separate stainless steel work from dissimilar metals and from wood and cementitious materials. Separate with a course of polyethylene underlayment wherever possible. Apply a 15-mil dry film thickness bituminous coating to either the substrate or stainless steel where underlayment cannot be used for separation.
- G. Separate copper work from dissimilar metals by a 15-mil dry-film thickness bituminous coating, or by a heavy tinning of solder at spot-contacts.
- H. Aluminum Work: Bed base members in roofing cement. Anchor and seal in accordance with manufacturer's instructions. Clean exposed surfaces promptly to prevent the start of non-uniform oxidation or electrolytic action.
  - 1. Apply 15-mil dry film thickness bituminous coating to concealed aluminum surfaces which will be in contact with cementitious surfaces, dissimilar metals, wood or other absorptive substrates.
- I. Fabricate, support and anchor rain drainage to withstand thermal expansion stresses and full loading by water or ice, without damage, deterioration or leakage.
- J. Remove and dispose of all existing plastic roof drain domes and replace with cast iron domes as specified above

END OF SECTION 07 60 00

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**Pre Proposal Meeting**  
**April 17, 2013**

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The meeting came to order at 1:02 p.m. Michael J. M<sup>c</sup>Grane, RIPTA Contracts Manager welcomed all those present. Mr. M<sup>c</sup>Grane introduced RIPTA Personnel present. Mr. M<sup>c</sup>Grane gave a brief background of the specifications for the Proposal Package and the purpose of this meeting. Mr. M<sup>c</sup>Grane asked those present to identify themselves when asking questions.

Michael M<sup>c</sup>Grane cautioned prospective bidders to be diligent when completing the required forms, to pay attention to the details such as the required number of copies needed. Vendors need only to submit the required forms listed in the Proposal Package on page 46. Vendors having difficulty completing the required forms are encouraged to contact the Michael M<sup>c</sup>Grane for guidance.

He also cautioned bidders not to procrastinate when filling out the paperwork. RIPTA Staff have busy schedules, therefore may not always be available for last minute questions

Michael M<sup>c</sup>Grane also reminded those present to pay particular attention to the Insurance Requirements listed on Page 69 of the Proposal Package. They are not the same requirements utilized by other State Agencies. The Authority is amending the Insurance Requirements. Please refer to the Revised Requirements in Addenda One.

Mr. Michael Burke of ANC Consultants, gave a brief overview of the project: This project consists of Removing and Replacing the TPO Roof. It is approximately 38,000 square feet (+/-). The existing roofing, flashing, skylights and insulation must be removed and replaced. There are four (4) CNG Exhaust units that must be disconnected, removed, palletized and turned over to RIPTA. New metal copings will match the existing color, chosen from manufacturers standard color palette. (With the understanding that the existing color is age faded). Bidders are encouraged to read the specifications for additional information. A tour of the roof will be given to all interested parties. Bidders that are unable to make this tour are asked to contact Michael M<sup>c</sup>Grane, Contracts Manager if they need to come at another time.

The meeting was opened to questions from the various participants:

**Mr. Mark Menard of Nadeau Corporation** raised the following questions:

- Is the removal of the CNG Units and replacement of the Skylights to be included in the base bid?

**Michael Burke, ANC** Yes.

- How are bidders going to handle removal and replacement of any blocking?

**Michael** Burke, ANC

Bidders are to provide a unit cost for the replacement of any existing curb blocking. Any work must be approved by the RIPTA Project Representative. Bidders are responsible for providing whatever blocking is needed to properly install new skylights.

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There being no further questions before the tour of the roof, interested parties viewed the roof area at 1:10 pm. Questions were deferred until the tour was completed. The meeting reconvened at 1:35 pm after the tour was completed

**Mr. Mark Edmond of Roofing Concepts** raised the following questions:

- Have there been test cuts of the existing roof, is RIPTA sure of the existing conditions?

**Michael Burke, ANC** the existing conditions are described in the bid specifications.

- Is the HVAC Unit to be replace described in the Specifications

**Michael Burke, ANC:** Yes

**Mr, Joseph Brillion of Eagle Cornice** raised the following questions:

- Are the Staging Areas marked out in the Specifications?

**Bernard Harwood, RIPTA:** No, the doors from the Bus Storage Area and the Maintenance Area cannot be blocked. RIPTA will work with the Contractor.

- Is the Insulation mechanically fastened?

**Michael Burke, ANC:** Yes

- How do you want us to handle any conduit that may be in the insulation:

**Michael Burke, ANC:** It is the responsibility of the Contractor to replace any conduit that they may damage at their expense.

Mr. Phillip Mongeau of Barboza Roofing raised the following questions:

- Does this project have to follow FM Global Standards?

**Michael Burke, ANC:** Yes it must follow FM I90

- Is there any work to the metal roofing?

**Michael Burke, ANC:** No

Section 076000 mentions paint on the Sheet Metal Flashing, is this required?

**Michael Burke, ANC:** No

There being no further business, the meeting adjourned at 2:05 p.m.

Respectfully submitted  
Michael J. M<sup>c</sup>Grane  
Contracts Manager

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### VI. REQUEST FOR APPROVED EQUAL FORM

**This form must be submitted electronically IN MICROSOFT WORD FORMAT TO RIPTA CONTRACTS MANAGER**

**REQUEST FOR APPROVAL APPROVED EQUAL QUALIFICATION OR CLARIFICATION**

Page: 45

Ref: IFB NO. 13-27

Project No. 13-27

To: Rhode Island Public Transit Authority

From: Nadeau Corporation

Page & Reference: Page 4/11, Section 07 54 23, Paragraph 2.1A & 2.3A

### Request Description

We would like to substitute a Carlisle Roofing System in lieu of the Firestone System specified. Carlisle Roofing Systems are considered an equal to a Firestone Roofing System in the industry. We are installing the Carlisle system on the RIPTA building on Melrose St. in Providence and this system was accepted by the architect for that project has an alternate.

### Use Additional Sheet If More Space Is Required

Accepted: X

Rejected: \_\_\_\_\_

See Addendum # \_\_\_\_\_

Explanation: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_