Procurement #: 38052>

CITY OF PROVIDENCE, RHODE ISLAND

Department:

RFP Title: Pleasant View Elementary School

Opening Date: 11/21/2022

Addendum #: 8

Issue Date: 11/15/2022

The purpose of this addendum is Provide answers tp RFI.

Providence City Hall
25 Dorrance Street
Providence, RI 02903

DOWNES CONSTRUCTION COMPANY

ADDENDUM #08

TO

Request for General Contracting Proposals
Pleasant View Elementary School

Procurement # 38052

November 15, 2022
Providence, RI

The Documents for this Request for Proposal are modified and/or supplemented as follows and should be included in the Contractor's proposal:

General Items:

1. **Requests for Information:**

RFI 19 **Question -** Could you please let us know if there will be a change in the electrical service work scope? What is drawn on the plans for the new incoming service will not work with the existing transformer pad, not enough space to fit new conduits into the existing pad. Will there be a new drawing for new transformer pad detail and new service riser pole?

Answer – Correct.

RFI 21 **Question –** There is no spec. for the main entrance canopy awning fabric replacement. Please provide.

Answer – Spec provided, see attached.

RFI 22 **Question –** There is no spec. for spray fireproofing called out on the drawings. Please provide.

Answer - New spray fireproofing on the Mechanical room (C004) roof deck. Existing material will need to be abated for roofing material fastening.

RFI 23 **Question –** There is no spec. for projection screens and speakers. Are both items by others? If not, please provide spec.

Answer – By Others.

RFI 25 **Question –** The electrical power plans do not indicate access control doors. However, on the door/window schedule (A-701) there are a few doors that have remarks to tie in new access control hardware to existing building access control. Can you confirm how many access-controlled doors will need relocation to new pod G IDF

Answer - as indicated on A701, the pairs of doors at G001.1 and G001.2 need access control.

RFI 26 **Question –** Please want to confirm that the existing 5 exterior cameras are staying, we are only to replace cable, and we are not adding any new?

Answer – Correct. There might be additional scope and coordination by PPSD.

RFI 28 **Question -** There is no spec. for the main entrance canopy awning fabric replacement. Please provide.

Answer – Spec provided, see attached.

END ADDENDUM #08

SECTION 13 31 00
FABRIC STRUCTURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Tensile membrane structures.

B. Tensile membrane.

1.02 REFERENCE STANDARDS

A. ASCE 55 - Tensile Membrane Structures.

B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

C. ASTM A563 - Standard Specification for Carbon and Alloy Steel Nuts.

D. ASTM A586 - Standard Specification for Metallic-Coated Parallel and Helical Steel Wire Structural Strand.

E. ASTM D751 - Standard Test Methods for Coated Fabrics.

F. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

G. ASTM E108 - Standard Test Methods for Fire Tests of Roof Coverings.

H. ASTM E136 - Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C.

I. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.

J. ASTM F594 - Standard Specification for Stainless Steel Nuts.

K. ASTM F1554 - Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength.

L. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength.

M. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Conduct meeting two weeks prior to commencing work of this section.
   1. Require attendance of parties directly affecting work of this section, including:
      a. Applicable subcontractors.
      b. Contractor.
      c. Membrane manufacturer field representative.
      d. Architect.
      e. Structural engineer.
   2. Review erection drawings, sequence, schedule, and procedures; tensile membrane handling, preparation, installation, and protection requirements, and coordination with related structural work.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: For tensile membranes and flexible structural elements.

C. Shop Drawings:
   1. Signed and sealed by Engineer of Record responsible for design of fabric structures.
   2. Plans:
      a. Include column centers, elevations, and dimensions.

b. Indicate membrane layouts, membrane seams, flexible structural elements, anchorages, and interfaces with nonflexible structural elements.

3. Details: Include connections, anchorages, and bearing supports.

D. Erection Drawings:
1. Indicate erection plan for tensile membrane structure installation activity; include detailed sequence or work and procedures that ensure structural integrity of tensile membrane structure during erection.

E. Samples: For each membrane type, two samples, 12 inches by 12 inches in size, indicating specified color.

F. Operating and Maintenance Data: Manufacturer's instructions for routine inspections, emergency repairs, and use of emergency repair materials; include repairing flexible structural elements and cleaning tensile membranes.

G. Executed warranty.

1.05 QUALITY ASSURANCE

A. Designer Qualifications: Perform design under direct supervision of Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located; with at least three years of documented experience.

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least three years of documented experience.

C. Fabricator Qualifications: Company specializing in fabricating products specified in this section, with at least three years of documented experience.

D. Erector Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to project site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Handle fabric in accordance with manufacturer's instructions.
1. Use care in handling tensile membranes to avoid damage fabric and coating.
2. Do not damage, crush, or kink cables.

1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Manufacturer Warranty: Provide 15-year manufacturer warranty for tensile membranes and perimeter attachment system elements. Complete forms in Owner's name and register with manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Tensile Membrane Structures:
1. Birdair, Inc; _____: www.birdair.com.
2. Membrane Structures, Inc; _____: www.membranestructuresinc.com.
3. Tension Structures, a division of Eide Industries Inc; _____: www.tensionstructures.com/#sle.
4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 TENSILE MEMBRANE STRUCTURES

A. Tensile membrane structures consisting of tensioned membranes stretched over flexible and nonflexible structural support elements.

1. Provide smooth uniform membrane surface with even-curved edges and interfaces; without wrinkles, cuts, abrasions, stains, marks, surface defects, or seaming aberrations.
2. Configuration as indicated on drawings.

2.03 STRUCTURAL DESIGN CRITERIA

2.04 FIRE-RESISTANCE CRITERIA

A. Combustibility Testing: Noncombustible when tested in accordance with ASTM E136.

B. Flame Propagation: Complying with NFPA 701, test method 1 or 2.

C. Surface Burning Characteristics: Flame spread index of 75 or less and smoke developed index of 450 or less; when tested in accordance with ASTM E84.

2.05 TENSILE MEMBRANES

A. High-Density Polyethylene (HDPE) Membranes.
   1. Weight: 9.6 oz/sq yd.
   2. Weave Style: Raschel knit.
   3. Color: As selected from manufacturer's standard selection.

2.06 FLEXIBLE STRUCTURAL ELEMENTS

A. Cables, Fittings, and Anchorages:

B. Shackles, Rigging Screws, Clamps, and Tensioning Hardware:

2.07 ACCESSORIES

A. Anchorage Devices: Provide anchorage devices and mechanical fasteners for securing tensile membranes and flexible structural elements to in-place construction as determined by the Structural Engineer of Record for design of tensile membrane structure.

B. Stainless Steel Fasteners:

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine area to receive flexible structural elements and tensile membrane; notify Architect if area is not acceptable and do not begin installation until unacceptable conditions have been corrected.

B. Examine foundations and anchor bolts for location and elevation; notify Architect of inaccuracies, and do not begin installation until unacceptable conditions have been corrected.

3.02 PREPARATION

A. Prepare a clear, flat, smooth, and clean layout area on ground of sufficient size for assembly of tensile membrane panels; prepare area adjacent to location of structure installation.

B. Check contact surfaces to remove sharp objects, dirt, grease, oil, and other causes for rips, scratching, or other damage to tensile membrane panels during installation.

3.03 ERECTION

A. Erect tensile membrane structures and flexible structural elements in accordance with erection requirements of ASCE 55.

B. Comply with approved erection plan.

C. Do not undertake erection of tensile membranes during inclement weather conditions; installer has sole responsibility to determine when conditions are safe for erection.

D. Install tensile membranes and flexible structural elements in accordance with manufacturer's instructions.
   1. Install to avoid damage to tensile membranes.

2. Ensure tensile membranes surfaces are smooth, uniform, and clean, with even-curved edges and interfaces, and with no cuts, scratches, abrasions, stains, marks, blemishes, or welding irregularities.

3.04 REPAIR

A. Repair or replace defective or damaged materials as directed by Architect.

3.05 ADJUSTING

A. Make final adjustments to tensile membranes and flexible structural elements as required for structural integrity, and in accordance with shapes and configuration indicated on drawings.

3.06 CLEANING

A. Clean and touchup flexible structural elements in accordance with manufacturer's field repair recommendations.

END OF SECTION