

DEPARTMENT OF VETERANS AFFAIRS

Justification and Approval

For

Other Than Full and Open Competition

1. Contracting Activity:

Department of Veterans Affairs
Lebanon VA Medical Center
1700 S. Lincoln Ave.
Lebanon, PA 17042

2. Nature and/or Description of the Action Being Processed:

Contractor shall furnish management, supervision, labor transportation, equipment, and materials, and perform work to include general construction, alterations, mechanical and electrical work, and certain other items as required by project drawings and specifications for:

PROJECT NO. #595-CSI-004

VACO – LEBANON VA MEDICAL CENTER

RENOVATION OF MAIN LABORATORY – B1

This acquisition is a firm-fixed price construction buy.

3. Description of Supplies/Services Required to Meet the Agency's Needs:

- a. Thermal and Air Barrier Wall System – Dow Chemical –THERMAL AND AIR BARRIER WALL SYSTEM:
Provide a thermal and air barrier wall system for exterior cold-formed metal wall assemblies.
Includes exterior wall insulated sheathing, interior spray polyurethane foam and exterior flashing for joint treatment and thru-wall openings.

2- PRODUCTS

2.1 MANUFACTURERS

Thermal and Air Barrier Wall System; a manufacturer's insulated sheathing and polyurethane foam system:

Conforming to the physical and performance requirements in this Section.

Act together as a manufacturer's designed system.

Conform to the Warranty specified in Part 1 of this Section.

2.2 INSULATION

Exterior Insulation: Glass-fiber-reinforced enhanced polyisocyanurate foam core sheathing faced with nominal 4 mil embossed blue acrylic-coated aluminum on exterior side and 1.25 mil embossed aluminum on the interior side, complying with ASTM C1289 and meeting the following physical properties:

ASTM C1289 Type 1, Class 2

Compressive Strength (ASTM D1621): 25 psi, minimum.

Long-Term Thermal Resistance (ASTM C518): R-6.5 per 1 inch of thickness with 15 year thermal warranty

Flexural Strength (ASTM C203): Minimum 40 psi.
Water Absorption (ASTM C209): Maximum 1.0 percent by volume.
Water Vapor Permeance (ASTM E96): Maximum <0.3 perms.
Maximum Use Temperature: 250 degrees F.

Basis-Of-Design Product: "THERMAX™ ci Exterior Insulation."

Panel Size: 4'-0" wide x 8'-0" long, square edge.
Thickness and Stabilized R-Value: Nominal 1.0 inch thickness, R-6.5.

Accessories:

Fasteners: Provide insulated sheathing manufacturer's recommended organic-polymer or other corrosion-protective coated steel screw fasteners for anchoring sheathing to metal wall framing. Fastener length and size based on wall sheathing thickness.

Basis-Of-Design Product: Wind-lock Corporation "ULP-302 Steel Series Selection" with 1-3/4 inch diameter high-grade plastic washers

Insulation Flashing Tape: Provide insulation manufacturer's recommended board joint tape for sealing joints, seams and veneer tie penetrations through the insulation layer.

Basis-Of-Design Product: "WEATHERMATE™ Straight Flashing", high-density polyethylene (HDPE) film facer with butyl rubber adhesive

Wall Opening Flashing: Provide insulated sheathing manufacturer's recommended flashing sealing window and door wall openings.

Basis-Of-Design Product: "WEATHERMATE™ Thru-Wall Flashing", high-density polyethylene (HDPE) film facer with butyl rubber adhesive, at straight opening heads, jambs and sills.

Penetration Filler: Provide insulated sheathing manufacturer's recommended polyurethane foam for sealing penetrations of insulated sheathing.

Basis-Of-Design Product: "Great Stuff™ Pro Gaps & Cracks" single-component polyurethane insulating foam sealant.

Basis-Of-Design Product: "Great Stuff™ Pro Window & Door" single-component polyurethane low-pressure foam sealant

2.3 SPRAY POLYURETHANE FOAM AIR BARRIER

Spray Polyurethane Foam: Two-component spray polyurethane cellular plastic foam, complying with the following methods and meeting the following physical properties:

Core Density (ASTM D1622): Nominal 2pcf.

Thermal Resistance (ASTM C518): (Aged R-value: 5.4 at 180 days; 50% R.H. per FTC requirements(180 days ambient temperature conditioning)

Flame Spread (ASTM E84, Class A): 25 or less.

Smoke Developed (ASTM E84, Class A): 450 or less.

Compressive Strength minimum (ASTM D1621, 10% parallel to rise): 25 psi 182 kPa.

Closed Cell Content (ASTM D2856): minimum 90 percent.

Water Absorption by Volume maximum. (ASTM D2842): 1.7 percent.

Water Vapour Permeability maximum. (ASTM E96): 2.3 perm-inches 3.36 ng/ (Pa.s.m).

Basis-Of-Design Product: "STYROFOAM Spray Polyurethane Foam. Formulation required will be dependent upon surface temperature of substrate. Refer to manufacturers recommendations.

Thickness and R-Value: Nominal 3.0" thickness, 180 day Aged R-value 15.0.

4. Statutory Authority Permitting Other than Full and Open Competition:

- (1) Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements per FAR 6.302-1;
- (2) Unusual and Compelling Urgency per FAR 6.302-2;
- (3) Industrial Mobilization, Engineering, Developmental or Research Capability or Expert Services per FAR 6.302-3;
- (4) International Agreement per FAR 6.302-4
- (5) Authorized or Required by Statute FAR 6.302-5;
- (6) National Security per FAR 6.302-6;
- (7) Public Interest per FAR 6.302-7;

5. Demonstration that the Contractor's Unique Qualifications or Nature of the Acquisition Requires the Use of the Authority Cited Above (applicability of authority):

- a. Thermal and Air Barrier Wall System – Dow Chemical – THERMAL AND AIR BARRIER WALL SYSTEM: Provide a thermal and air barrier wall system for exterior cold-formed metal wall assemblies. Includes exterior wall insulated sheathing, interior spray polyurethane foam and exterior flashing for joint treatment and thru-wall openings: Restriction of sources for this acquisition is justified in accordance with FAR 6.302-1, the item is peculiar to one manufacturer. There are no other manufacturers of Thermal and Air Barrier Wall System for the project and was developed, selected and approved based on thermal and energy performance criteria of the VAMC director, and A/E. The selection process evaluates multiple manufacturer's product lines, to develop a final selection that meets the needs of the VAMC. The brand selected forms a unique and specific design which could not be achieved or ensured based on non proprietary bidding.

6. Description of Efforts Made to ensure that offers are solicited from as many potential sources as deemed practicable:

The AE designing this project made every effort to specify generic items, however in design process only the products listed above meet the unique design criteria of this construction project. There is no restriction on suppliers of the products specified, only on the manufacturer. While these products are specified, most can be procured from multiple sources.

7. Determination by the Contracting Officer that the Anticipated Cost to the Government will be Fair and Reasonable:

It is anticipated that the prime construction contractor will obtain multiple quotes from various suppliers for the specified items, thus ensuring fair and reasonable price determination.

8. Description of the Market Research Conducted and the Results, or a Statement of the Reasons Market Research Was Not Conducted:

No market research was conducted as the prime contractor for these products is responsible for purchase/procurement of specified products. It is anticipated that prime construction contractor will be able to obtain price competition for these items.

9. Any Other Facts Supporting the Use of Other than Full and Open Competition:

These items are specified as design criteria to complete a unique atmosphere and work environment. Deviation from these products would jeopardize the aesthetic feel and functionality of the design.

10. Listing of Sources that Expressed, in Writing, an Interest in the Acquisition:

See Section VI above.

11. A Statement of the Actions, if any, the Agency May Take to Remove or Overcome any Barriers to Competition before Making subsequent acquisitions for the supplies or services required:

The products specified for this construction project are the only products that meet the Government's needs for the specified design. There is no restriction on suppliers of the products specified, only on the manufacturer. In the future the VA will continue to urge AE design firms to write specifications that allow for more diverse product placement and less restrictive requirements.

12. **Requirements Certification:** I certify that the requirement outlined in this justification is a Bona Fide Need of the Department of Veterans Affairs and that the supporting data under my cognizance, which are included in the justification, are accurate and complete to the best of my knowledge and belief.

Richard McKeary Assistant Chief Engineer March 14, 2012
for Thaddeus Kocuba Date
Chief of Engineering
Lebanon VA Medical Center

13. **Approvals in accordance with FAR 6.304**

a. **Contracting Officer's Certification (required):** I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.

Seth J. Custer 3/14/12
Seth J. Custer Date
Chief of Contracting
Lebanon VA Medical Center

b. **Network Contracting Manager's Delegate Certification (required):** I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.

Robert Del Campo 14 MARCH 2012
Robert Del Campo Date
Construction Team Manager
NCO 4