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# **Bid Package Breakdown**

## **SUPPLEMENTAL INFORMATION**

### **For Specialty Contractor**

**BP # 75**

**Date: April 13, 2015**

**BP Name: Shade Canopy Roofing**

**Bid Package Description: Furnish and Install Shade Canopy Roofing over Stadium**

**Bid Package Value:**

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#### **Specific Requirements and Scope:**

This scope includes the specialized trade of furnishing and Installation of the Shade Canopy Roofing over the Stadium. The firms bidding this work as a Prime will be a Highly Specialized Contractor with the necessary experience to provide this type work.

#### **Specific Skills Required:**

Bidder must have sufficient experience in this type of work as proven in comparable projects. Bidder must be familiar with fast track performance of project and understand that the design is ongoing. Bidder must have the financial capability to have the funds available to handle the project due to the fast track nature.

#### **Risks Associated with this Package:**

Work must be completed within the time frames established so as to not hold up the other trades.

**Firms must have a good safety record.**

#### **Experience and Licenses Required:**

Subcontractor must have 5 years of experience with successful fabrication/installation of projects of similar scale and complexity with a successful performance.

#### **Schedule/Performance and Manpower Requirements:**

Contractor must have the manpower capability to adhere to the fast track schedule while maintaining high quality work.

Subcontractor must have the manpower available to perform this work in the time frame allotted in this fast pace project.

**Insurance Required:**



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Subcontractor must be able to be enrolled in an OCIP program or be able to provide insurance limits of the project.

General Liability insurance will be required. (\$5M per occurrence)

**Bonding required:**

A 100% Payment and Performance Bond will be required (from an A rated size VIII or better).

**Contracting Required:**

Bidder must be able to execute the Hunt Subcontractor Agreement.

Bidder must have home office support that can maintain reporting requirements of the Construction Manager (SBD, CWP, Safety)

Bidder must have a clean record with regards to legal claims.

**Programs Required:**

SBD (CSBE) and CWP

The Stadium aspires to have at least 70% of the project's workers be residents of Miami-Dade County, 20% of which are from the County's Community Development Block Grant (CDBG) eligible areas.

The Stadium also aspires to hire a minimum of 10% of the project's workers from Miami – Gardens. Labor residing in zip codes 33056, 33055, 33054, 33169 and 33014 should be given first preference for hire.

The project also aspires to utilize as many local firms as reasonably practical and aspires to have at least 35% of the firms hired as subcontractors be firms located within Miami-Dade County.



**A. General Description of the Scope of Work:**

Subcontractor shall perform the Subcontract Work generally described below (and as further described in the Contract Documents) to provide the following:

**BP-75: Shade Canopy Roofing:**

The intent of this Attachment II is to describe and clarify the Work required under this Agreement. It is the responsibility of this Subcontractor to provide the Shade Canopy Roofing Steel Work associated with the Miami Dolphins Stadium Renovation project in accordance with the Contract Documents and as described below.

**B. Payment and Performance Bonds:**

Bonds will be required: Yes   X   No \_\_\_\_\_

Bonds will be furnished in accordance with the provisions of Attachment VI.

**C. Specific Requirements:**

1. Subcontractor shall provide (furnish and install) all Work described by the following specification sections necessary for the proper completion of this Scope of Work as further clarified by this Attachment II:
  - Division 00 – All Sections
  - Division 01 – All Sections
  - Section 07 54 23 – Thermoplastic Polyolefin Roofing
  - Section 07 52 16 – Modified Bituminous Membrane Roofing
  - Section 06 10 00 – Rough Carpentry
  - Section 07 62 00 – Sheet Metal Flashing and Trim
  - Section 07 72 00 – Roof Accessories
  - Section 072100 – Thermal Insulation
  - Section 07 92 00 – Joint Sealants
  - Section 22 00 00 – Plumbing (as relates to scope of work)
2. Subcontractor shall, without limitation, furnish and install, materials, labor, supervision, services, survey, layout, field measurements, tools, equipment, supplies, fuel, transportation, installation, applicable taxes, insurance, permits, temporary facilities, clean-up, etc. and all items or services of any kind whatsoever necessary to fully perform and complete Subcontractor's Work. Subcontractor shall pay for all costs of the performance of all its obligations under the Contract, even if those costs exceed the Subcontract Price.
3. Subcontractor shall be responsible for all necessary system design, engineering, fabrication and installation of complete watertight roofing system and other related components for the project in accordance with the design intent or criteria established by the Contract Drawings and this Scope of Work. When required by the Contract Documents or applicable codes, all engineering will be provided by a Professional Engineer licensed in the State of Florida.

4. Subcontractor shall engineer, furnish, and install all membrane roofing systems complete, including but not limited to all required thermoplastic or Modified Bituminous membrane, self-adhered sheet air and water barriers, adhesive, fasteners, battens, fastening bar, sealers, roof insulation, tapered insulation, substrate boards, wood blocking, vapor retarder, cover board, walkway pads, prefabricated expansion joints, copings, flashings, trim, termination bar, joint sealants, additional accessories, etc.
5. Subcontractor shall coordinate requirements with Metal Panel Subcontractor. Framing at metal panel cladding shall be furnished and installed by metal panel subcontractor. Framing shall be limited to that indicated on the Contract Documents. Should additional framing or blocking be required to accommodate roofing assembly, said framing shall be furnished and installed by this Subcontractor.
6. Parapets, curbs, blocking, and additional roof framing required exclusively for roof assemblies, features, specialties, hatches, expansion joints, components, etc. shall be furnished and installed by this Subcontractor even if not indicated on the Contract Documents, but required to facilitate installation.
7. Subcontractor shall furnish and install tapered insulation, crickets, saddles, etc. as required to obtain positive drainage to roof drains.
8. Subcontractor shall engineer, furnish and install expansion joints within and abutting systems provided under this Subcontract.
9. Subcontractor shall furnish and install shop fabricated copings as specified.
10. Subcontractor shall furnish and install wood blocking as required to satisfy manufacturer's requirements even if not indicated on Contract Documents. Costs for all wood blocking have been included in Subcontractor's sum.
11. Subcontractor shall provide temporary protection of roof membrane. Subcontractor shall make repairs to roofing membrane resulting from unidentified incidental damage and has included associated costs in Subcontract Sum.
12. Subcontractor shall coordinate installation of roof related components furnished and installed by others including but not limited to davits, lightning protection, ladders, stairs, MEP equipment, curbs, additional accessories, etc. Subcontractor shall coordinate, schedule and sequence of installation with relevant subcontractors. Subcontractor shall not be entitled to additional compensation for re-roof required due to lack of coordination.
13. Subcontractor shall furnish and install flashings and trims including but not limited to roof drainage systems, roof edge flashings, splash pans, sealants, sealers, straps, clips, anchors, fasteners, additional accessories, etc.
14. Subcontractor shall furnish and install roof accessories including but not limited to interior and exterior roof curbs, roof hatches, associated blocking, flashing, additional accessories, LadderUP safety posts, etc. Subcontractor shall coordinate roof curb sizes with relevant MEP contractors. Subcontractor shall include roof curbs at all MEP penetrations and roof mounted equipment locations.
15. Subcontractor shall cut decking as required for roof accessory openings. Subcontractor shall furnish and install supplemental framing at deck openings where not indicated on the drawings but required to facilitate accessory installation.
16. Subcontractor shall furnish and install pitch pockets as required.

17. Subcontractor shall furnish and install joint sealants within and abutting roofing systems.
18. Subcontractor shall coordinate installation, location, and elevation of roof drains with plumbing subcontractor.
19. Subcontractor shall coordinate with other trades regarding requirements and interface details for parapet system.
20. Field and laboratory testing and mockups as per specifications and required for NOA and Architect approval. Permitting, proposals, testing, etc as required by relevant codes.
21. Subcontractor shall provide special warranties per specifications and requirements of Contract Documents.
22. Subcontractor shall work closely with façade Subcontractors to coordinate interface of roofing systems with metal panel and ETFE systems to achieve an overall water-tight / weather-tight system.
23. Subcontractor agrees to perform detail development, subject to review and approval of Architect.
24. Subcontractor shall furnish water and water-control for on-site field testing of systems furnished under this Subcontract.
25. Subcontractor shall submit a preliminary installation plan with bid. Preliminary installation plan shall include milestone dates for each elevation indicating installation periods for each roof area, weather-tight dates, and roofing completion dates.
26. Subcontractor shall have dedicated separate crews for field roofing and detail roofing. It is understood that the Subcontractor will roof the "field" in an expedited manner and follow-up with detail work.
27. Subcontractor shall include an allowance of \$100,000 for temporary roofing. Temporary roofing activities will be performed as directed by Construction Manager.
28. Subcontractor shall acknowledge and understand the Wind Tunnel Study.
29. Subcontractor shall provide coordinated shop drawings and engineering drawings showing attachment of all roofing system components to the building structure. Subcontractor shall take into consideration all wind load and dead load pressures, thermal and other movements as well as allowable tolerances in the fabrication and installation of adjacent materials such as, but not limited to, concrete, curtainwall, metal panel, etc.
30. Subcontractor shall furnish and install minimum 16 ga plate steel at locations where metal decking stops short of perimeter bent plate even if not indicated on documents but required to facilitate installation of roofing system. Subcontractor shall furnish and install any required steel as a part of its Subcontract Sum.
31. Subcontractor shall provide clean and dry storage for roofing materials as indicated within Contract Documents.
32. Subcontractor shall coordinate MEP components located within roofing systems including but not limited to concealed conduits, plumbing piping, junction boxes, lightning protection, etc.

Coordination includes cutting of roof insulation, coring, boots, etc. Subcontractor has included cost for coordination effort in contract price.

33. Subcontractor shall furnish and install membrane boots at all roof penetrations.
34. Subcontractor shall engineer, furnish, and install all loose hardware and support framing necessary for anchorage and support to the structure as required by Contract Documents and for complete installation of exterior work. Provide design drawings and structure calculations signed and sealed by Professional Engineer registered in the State of Florida.
35. Subcontractor shall review work areas which precede their installation and shall advise Construction Manager, in writing, of any condition whose defect exceeds industry standards. Proceeding with work shall indicate acceptance of work areas.
36. Caulking, sealant, and joint sealer to provide a weather-tight seal that are integral to the roofing system, including caulking roofing to adjacent work and other exterior façade materials (i.e. metal panel, curtainwall, concrete, stucco, etc.) and perimeter.
37. Subcontractor shall be responsible for all rigid and batt insulation systems in pockets which occur between roofing systems and adjacent building components as required to provide a complete system.
38. Subcontractor shall furnish and install all flexible and metal flashings integral to and abutting roofing systems as required to maintain a weather-tight installation. Subcontractor shall furnish and install membrane clad flashings as required even if not indicated on documents but required to provide a watertight/weathertight system.
39. Subcontractor shall furnish and install metal flashing, drip edge, water stop, etc. at all locations where roofing systems abut adjacent façade systems as indicated on the Contract Documents and additionally as required for a complete, finished and watertight installation.
40. Subcontractor shall furnish and install framing/blocking for MEP fixtures located within roofing systems.
41. Subcontractor is responsible for ensuring product compatibility with adjacent systems. Subcontractor shall furnish and install isolation materials as required.
42. Flashings, trims, copings, closures, covers, trims, insulation, framing members, wood blocking, shims, anchors, connections, struts, clips, bolts, nuts, fasteners, sealants, brackets, bracing, reinforcements, bituminous coatings, weather-stripping, joint filler, void and filler rods, caulking, and all items and accessories required and necessary to properly erect, align, and secure all work.
43. Provide cutouts in your work required for the work of other trades.
44. Subcontractor shall be responsible for cleaning all roofing membrane, and other exposed components of the work of this Subcontract at completion of installation. This includes removal of all dirt, excess caulking or sealants, adhesives, foreign materials, protective tape, bumpers, labels, erection marks and stickers. Subcontractor shall wash the entire roof one time immediately prior to opening/substantial completion. Wash to include water, detergent, pumps, mechanical scrub, etc.
45. Subcontractor shall detail, furnish, and install expansion joint assembly within and abutting subcontractors work. Subcontractor is responsible for coordination of joint assemblies with adjacent

systems. Subcontractor shall furnish coordinated isometric shop drawings for expansion joint assemblies for each different interface condition.

46. Subcontractor shall provide for all on site water testing of in place work as required by the Contract Drawings, including providing pressured water. Subcontractor shall be responsible for making all modifications to the system to stop air or water infiltration which are excessive to the limits established in the Contract Documents.
47. Subcontractor shall manage NOA process including engineered proposals, code required submittals, testing, etc. Subcontractor has included all associated costs.