



HUNT Construction Group, Inc. - An AECOM Company  
2 Oakwood Blvd., Suite 125  
Hollywood, Florida 33020  
Phone: (305) 325-0577 Fax: (305) 325-0765  
[www.aecom.com](http://www.aecom.com)  
[www.huntconstructiongroup.com](http://www.huntconstructiongroup.com)

# Bid Package Breakdown

## SUPPLEMENTAL INFORMATION

### For Specialty Contractor

**BP #: 11**

**Date: 10/1/2014**

**BP Name: Shade Canopy Steel**

**Bid Package Description: Provide Steel, Cable, metal decking and catwalks**

**Bid Package Value: \$ 83,200,000**

---

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

Stadium Shade Canopy is a complex suspension structure utilizing Wide Flange steel, Structural cabling and metal decking. The firms bidding this work as a Prime will be a Specialized Contractor with the necessary AISC credentials to fabricate and erect the steel to its intended position above the existing Stadium.

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

Bidder must be familiar with the fast track performance of project and must understand that the Design is ongoing. Additionally, bidder must have sufficient in-house engineering and drafting capabilities to produce 12,000 Ton of steel and engineer its erection scheme to install it.

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

Schedule, schedule, schedule; work must be completed within the time frames established so as to not hold up the other work and for the Stadium to open on time for NFL and collegiate football play.

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

Fabricator shall be AISC certified for fabrication with a sophisticated Paint Endorsement and 10 years of experience. Erector shall be AISC Certified Steel Erector with 10 years of experience.

#### **Specialty Contractor and Single Source Components:**

The Steel and Cable material that will be required and the amount of which that will be required will be to the extent that a local SBD firm is not available to provide this service.

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

Bidder must be large enough to cash-flow the labor and equipment costs of this short duration project.



HUNT Construction Group, Inc. - An AECOM Company  
2 Oakwood Blvd., Suite 125  
Hollywood, Florida 33020  
Phone: (305) 325-0577 Fax: (305) 325-0765  
[www.aecom.com](http://www.aecom.com)  
[www.huntconstructiongroup.com](http://www.huntconstructiongroup.com)

**Insurance Required:**

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.

The bidder may subcontract smaller portions of the project and must have experience in managing and contracting lower tier subcontractors.

**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 firm located within Miami-Dade County.

**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 05 12 00 - Structural Steel
  - Section 05 30 00 - Steel Deck
  -
  
2. Subcontractor shall, without limitation, furnish and install structural steel, Anchor rods, base plates, beams, bearings, bracing, canopy framing, connection materials, edge angles, embedded structural steel, expansion joints, fasteners, floor opening frames, floor plates, girders, girts, grillage, hangers, leveling nuts and washers, leveling plates, leveling screws, marquee framing, posts, purlins, relieving angles, Canopy-opening frames, Canopy-screen support framing, sag rods, shear studs, shims, struts, tie rods, trusses, wall-opening frames, wedges, castings, catwalks, sold-rolled steel products, forgings, grating, handrail, ladders, safety cages, stairs, toe plates, steel shapes, cables, steel joists, bridging, angle shapes, steel plate and bar, pipe, beams, columns, tubes, distribution girders, purlins, angles, shear studs, metal deck, deck supports, bracing, base plates, bearing plates, stiffeners, metal deck closure angles/bent plates, joist girders, gutter and cladding supports, catwalk assemblies and galvanized plates, catwalk supports, roof hatch openings, adhesive anchors, structural bolts and threaded fasteners, nuts, washers, direct tension indicators, loose metals, connections, plates, bolts, hardware, shim plates, leveling nuts, welding rod, grout, stairs, surface preparation, prime and finish coat paint system, including all materials, labor, applicable taxes, insurance, permits, supervision, services, inspection, testing, tools, equipment, supplies, fuel, transportation, installation, 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 Subcontract, even if those costs exceed the Subcontract Price. Other elements that this Subcontractor is responsible to furnish and install include, but are not limited to:
  - A. Connection calculations.
  - B. Steel beams, columns, trusses, bracing and hangers with related connections.
  - C. Setting of leveling bolts.
  - D. Connection plates.
  - E. Shear studs and shear connections.
  - F. Fall Arrest structural components, tubes, plates, bolts, cable, etc.
  - G. Galvanized Steel Canopy Deck.
  - H. Drainage Holes
  - I. Steel support at Canopy openings.
  - J. Steel support at Canopy drains.
  - K. Steel Angles/Plate/Bent Plate with Headed Anchors/Studs, embedded in concrete
  - L. Cleaning of Steel and/or Steel Deck.
  - M. Prime paint surfaces for trusses, structural steel, joists, etc.
  - N. Field touch-up of paint.
  - O. Finish Paint System.
  - P. Ice/Water Removal.
  - Q. All stiffeners, web doubler plates and connection plates to provide complete structural steel and joist work as indicated in the Contract Documents and/or required by Contractors connection design.

- R. Grouting of all base plates and bearing assemblies.
- 3. Removal of Sports Lighting structures on the existing building and turn over to others.
- 4. Removal of flagpoles on the existing building and turn over to others.
- 5. Removal of existing Scoreboard structures and façade on the existing building and turn over to others.
- 6. Furnish and Install fixed Canopy catwalk, handrail and gutter systems.
- 7. Furnish and Install Cabling and attachments.
- 8. Furnish and Install Scoreboard structural steel, all corners, including catwalks.
- 9. Furnish and Install Stairs and/or ladders on the scoreboard structure.
- 10. Furnish and Install Stairs and/or ladders on the canopy spire structure.
- 11. Furnish and Install Fall Arrest engineering, structures and cabling.
- 12. Receive and Install prefabricated sports lighting racks.
- 13. Receive and Install Lightning Protection Masts and FAA lighting at the Corner Spires.
- 14. Subcontractor shall provide, install, maintain, and remove all protection/safety railings through the duration that this Subcontractor is working in a sequence area or has items of work left to complete.
- 15. Subcontractor shall understand access, egress, staging, hoisting requirements, restraints, etc. of the Project work site. Subcontractor shall provide a preliminary utilization plan for review by Construction Manager showing all crane locations and staging requirements for pre-assembly and erection of the Canopy structure. Preliminary Schedule, Staging and Erection plan to be submitted with Design-Assist Bid Proposal Part 1, in Adobe format. Subcontractor's Steel Erector shall make a Power-Point style presentation regarding their plan, which shall describe the following in both pictorial and narrative format:
  - A. Location of shoring towers
  - B. Traffic plan (crane movement, maximum elevation and other material handling equipment)
  - C. Location for onsite ground assembly
  - D. Multiple Crane/Critical Lifts
  - E. Sequence
  - F. Schedule
  - G. Manpower requirements

Construction Manager shall review presentation and advise Subcontractor of any additional information needed.

- 16. Subcontractor shall provide vertical access for Subcontractor's Workforce, both ingress/egress for the duration of its work.
- 17. Subcontractor shall accept the Site preparation and shall make any and all additional stone placement or other modifications to facilitate the placement of crane(s), shoring, etc. Subcontractor shall provide any additional access roads, staging areas, crane mats, temporary stone, ice removal, water removal, temporary protection, barricades, signage, dust control, protection of existing utilities to remain, safety precautions and/or procedures as required for the completion of this Work and the necessary removals. The Subcontractor shall maintain the Site surface. Subcontractor shall restore, to like condition, the Site following the completion of each construction sequence area of its work. Subcontractor understands and accepts that a number of existing underground utilities are already installed in side and out side the Stadium building.

18. Subcontractor shall review the Geotechnical Reports and all other site improvements and determine conditions on the Project Site and Building Design Load limitations for proper and safe support of all shoring towers, crane(s), etc. during erection operations.
19. Subcontractor shall, Sixty (60) calendar days following receipt of “Mill Order” documents, provide a completed, detailed Final Erection Plan, incorporating all aspects of the preliminary plan and including temporary support systems, hoisting methods, crane sizes and locations and utilized capacities. Said Plan shall identify all anticipated Critical Lifts, Multiple Crane Lifts, Work Platforms and Tropical Storm/Hurricane Preparedness shall be the responsibility of the Subcontractor to develop. Said plan shall be stamped and sealed by a professional engineer. Subcontractor shall furnish and install all of the necessary temporary support members, shoring towers, (including any necessary foundations) or bracing systems, including erection angles, cables, loose hardware, embeds, welding, drilling and anchors necessary to support framing members during erection. Subcontractor shall timely remove all temporary support systems and foundations upon completion of erection (*if foundations are installed at depths and locations that do not interfere with other construction, the foundations may be left in place*). Subcontractor shall be responsible for any cost resulting from the effect of its temporary system on the work of others. Subcontractor shall perform any and all patchwork required as a result of temporary support and bracing systems utilized in the erection of the Work.
20. Subcontractor shall include all costs for equipment, materials, temporary structures, etc. required to be prepared for and be ready to deal with a tropical storm or hurricane. Subcontractor shall not include contingencies or costs associated with labor required in the event of an actual tropical storm or hurricane. Subcontractor will be reimbursed for any such actual costs incurred.
21. Subcontractor shall provide all temporary bridging, connections and anchors as required to ensure lateral stability during steel erection.
22. Subcontractor shall furnish and install all framing to support all Canopy penetrations.
23. Subcontractor shall provide prime and finish paint surfaces for metal deck, trusses, structural steel, joists, etc for all noted elements. *Structural Steel Special Coatings shall include surface preparation, shop applied primer, shop applied finish coat, and field applied touch-up. Field touch-up of the shop applied finish coat will not require complete repainting of the entire surfaces.*
24. Subcontractor shall erect the Structural Steel and Steel Deck in a clean condition, acceptable to the Project Designers. Subcontractor shall include touch-up painting, including primer, of surfaces after erection. *Subcontractor shall protect other work from field painting and shall be responsible for all paint over-spray, paint drips, etc.* Subcontractor shall clean all steel elements prior to their placement from all mud, dirt and dust, etc. introduced/accumulated on the steel during the ground assembly or erection operation. Subcontractor shall clean all welding slag, rust, etc. from field welded connections (i.e. surface preparation) and touching up of primer at these connections as well as bolted connections and abraded areas of prime paint upon the completion of inspection and testing. Subcontractor shall clean and touch-up paint all “scarred” areas, welds and rust spots on top and bottom surfaces of decking units and supporting steel members and joints. Subcontractor shall prep and paint all unpainted bolts/nuts after inspection. Subcontractor’s field touch-up painting shall be performed based upon paint manufacturer’s recommendations and the specifications of this project. All paint coatings shall be performed per manufacturer’s recommendations and specifications of this project for both prime and finish coats.
25. Subcontractor shall utilize gas or diesel operated equipment for all jobsite welding which will be required for the work, etc. No temporary power will be available for this work.
26. Subcontractor shall provide all task specific lighting that may be required for the installation of its Work.

Miami Dolphins Stadium Renovations  
BP-11: Canopy Steel – Scope of Work

27. Subcontractor shall obtain field measurements prior to fabrication when possible and as construction of structural frame allows.
28. Subcontractor shall provide all layout and field engineering required to complete its Work, from control points and benchmarks provided by others.
29. Subcontractor shall furnish and install solid grouting between bearing surfaces and bases or plates associated with the work and the necessary clearing/cleaning of all surfaces per the Contract Documents.
30. Subcontractor is responsible for all metal deck closures whether or not they are shown on the drawings.
31. Subcontractor shall include the removal of excess mill scale, rust, oil, other agents or dirt which may prevent acceptable applications of sprayed fireproofing, paint or other finishes
32. Subcontractor shall provide proof of current certification in accordance with the Contract Documents for all welders employed by this Subcontractor doing work on the project.
33. Subcontractor shall provide clear and legible labels, tags, and identification of all structural and miscellaneous steel, joists, deck, embeds, anchor bolts, etc according to specifications. Remove hanging labels and/or tags after the inspection and acceptance.
34. Subcontractor shall provide a full time onsite Project Manager and full time onsite Erection Superintendent and/or Fabrication Superintendent. The Subcontractor's project staff is subject to approval by the Construction Manager. Subcontractor's Project Manager shall have the authority to make decisions for and negotiate on behalf of the Subcontractor regarding scheduling, change orders, quality control issues, manpower levels, etc.
35. Subcontractor, or Subcontractor's Erector, shall employ at the site a full time responsible, qualified, and competent Contractor Safety Representative whose sole responsibility shall be the protection of persons and property and the administration of Subcontractor's safety and loss prevention program. The minimum qualifications of the Subcontractor Safety Representative shall be as defined in the Project Safety Program.
36. Subcontractor shall review and approve all shop drawings prepared by the Subcontractors detailers, in-house or otherwise. This shall include stamping all drawings with Subcontractor's shop drawing approval stamp prior to submission to Construction Manager.

**BID PACKAGE SBD INFORMATION SHEET**

**Miami Dolphins**  
**Hunt Construction Group**  
**Date: 10/1/2014**  
**Bid Package number: BP-11**  
**BP Package Name: Canopy Steel**



HUNT Construction Group, Inc. - An AECOM Company  
 2 Oakwood Blvd., Suite 125  
 Hollywood, Florida 33020  
 Phone: (305) 325-0577 Fax: (305) 325-0765  
[www.aecom.com](http://www.aecom.com)  
[www.huntconstructiongroup.com](http://www.huntconstructiongroup.com)

Preliminary Outline of Work Scope	Estimate Detail and Scope	CSBE Possible Opportunities	BID PACKAGE \$ Totals	Specialty Contractor Dollars (not included in SBD Program)	Single Source Dollars (not included in SBD Program)	Non Specialty Dollars	Potential CSBE Participation Dollars
Structural Steel - Canopy	9,780 Ton of Grade 50 steel wide flange and plate material	silework grading for cranes	62,000,000			\$230,000	\$230,000
Structural Steel - Purins, Diaphragm bracing, sofit and signage framing	2,000 Ton of grade 50 materials	Sub-fabrication	9,800,000			\$950,000	\$950,000
Structural Cabling	3½" ϕ and 5" ϕ coil lock strand cabling	none	7,500,000	\$7,500,000			\$0
Steel Metal Decking	410,000 square feet of metal deck material	Installation of deck	2,300,000			\$225,000	\$225,000
Touch-up Painting	field touch-up painting to 12,000 Ton of steel	labor to paint	1,600,000			\$432,000	\$432,000
<b>Percentage of SBD:</b>	<b>2.2%</b>		<b>\$83,200,000</b>	<b>\$7,500,000</b>	<b>\$0</b>	<b>\$1,837,000</b>	<b>\$1,837,000</b>