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Bid Package Breakdown

SUPPLEMENTAL INFORMATION

For Specialty Contractor

BP #41

Date: February 18, 2015

BP Name: Plumbing(Food Service & Restrooms)

Bid Package Description: Furnish and Install Plumbing for Food Service and Restrooms

Bid Package Value:

Specific Requirements and Scope:

This scope includes furnish and install Plumbing for Food Service and Restrooms. The firms bidding this work as a Prime will need to have experience in large commercial renovation projects.

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 five(5) years of experience performing this type of work including the magnitude and schedule conformance.

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.

Participants in this package must be responsive to the direction and schedule needs and must be flexible to provide manpower as needed and when needed.



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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.

Due to the complexity of the bid package, contractor 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 firms located within Miami-Dade County.

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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-41 Plumbing (Food Service/Restrooms)

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 Plumbing Infrastructure associated with the Miami Dolphins Stadium Renovations Project in accordance with the Contract Documents and as described below.

B. Payment and Performance Bonds:

Bonds will be required: Yes X No _____

If Bonds are required, the 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
- Division 11- 114000 FOOD SERVICE EQUIPMENT
- Division 22 – 220516 EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING
220523 GENERAL-DUTY VALVES FOR PLUMBING PIPING
220529 HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
220553 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
220700 PLUMBING INSULATION
221116 DOMESTIC WATER PIPING
221316 SANITARY WASTE AND VENT PIPING
231123 FACILITY NATURAL-GAS PIPING
22 30 00 PLUMBING EQUIPMENT
22 40 00 PLUMBING FIXTURES

2. Design Intent

1. It is the intent of the Scope of Work to convey to this Subcontractor the total responsibility for the Work. This Subcontractor understands that due to the "Fast Track" nature of this project, Construction Documents may not be 100 percent complete and will develop as the project progresses. However, the Subcontractor shall perform all work required or reasonably inferred under the best practices in the Construction Industry for a complete and fully functional and operational system(s) for the purpose intended.

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2. This project will require the Subcontractor to work as a team member with the Construction Manager and other members of the project team through the completion of construction to assure that all work required by this Scope will be performed in such a manner that it is complete, fully functional, and in accordance with the contract documents within the contract price.
 3. References to the term "Contractor" in the Drawings and Specifications shall be interpreted to mean work by this Subcontractor as they relate to this scope of work.
3. General Plumbing Food Service/Restrooms Scope
1. The Scope includes providing general items and services typical to the MEP divisions. (The intent of listing scope items and services is for ease of general scope identification and is not intended to be a complete listing of all items and services that may be required to complete the scope of work as required by the Contract Documents)
 - a. Provide designated/required personnel to participate in weekly and/ or as necessary MEP Coordination Meetings hosted by the Construction Manager.
 - b. Provide designated/required personnel to participate in weekly and/ or as necessary MEP /BIM Coordination Meetings hosted by the Construction Manager and as defined in the BIM Execution Plan.
 - c. Provide accurate Building Information Model (BIM) for their scope of work as part of the shop drawing submissions and as specified in the BIM Execution Plan prepared by the Construction Manager. A Building Information Model (BIM) is a three-dimensional digital representation of the physical and functional characteristics of the Project which term may be referred as the "Model (s)". The BIM may include additional information or data. Subcontractor's Models shall be inclusive but not limited to Equipment, Fixtures and Piping, etc. The BIM created by the Architect, Engineers, or Construction Manager does not constitute Contract Documents. The Building Information Model can be used for reference only and all dimensions, details, and the like must be retrieved from the Contract Drawings defined in "Attachment III".
 - d. Provide designated/required personnel to participate in generating and updating the Equipment / Commissioning Matrix.
 - e. Furnish and install all required block-outs, sleeves, inserts, anchors and openings. Coordinate with all other trades, structural documents and applicable standards prior to installation.
 - f. Coordinate and mark-up all block-outs, sleeves, inserts and openings required in precast on precast shop drawings.
 - g. Coordinate and mark-up all openings required in masonry walls.
 - h. Provide any required core drilling /saw cutting including engineering costs associated with omitted or mislocated block-outs, sleeves and openings. Coordinate with all other trades and structural documents prior to installation.
 - i. Provide shop drawings for all block-outs, sleeves, inserts and openings in structural systems not reflected or referenced on structural documents prior to installation.
 - j. Provide UL rated fireproofing assemblies for all penetrations associated with this scope of work. Provide complete submittal of all anticipated applications prior to start of work. Subcontractor understands that Hunt strongly encourages that all subcontractors utilize the same fireproofing / firesafing contractor and material.

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- k. Provide coordination and physical layout for all required concrete housekeeping pads, bases and curbs.
- l. Provide and install all hangers, supports, clamps, rods, inserts, imbeds, slides, anchors, braces, platforms and clip angles for piping and equipment.
- m. All hangers, supports, clamps, rods, braces, platforms and clip angles must be of a noncorrosive material and be compatible with the South Florida environment.
- n. Coordinate the hanging of piping and equipment with subroof contractor and other trades for a combined support system. No equipment, piping or hangers will be installed between structure and subroof. All equipment and piping must be supported from Sub-roof supports (ref spec section 05 31 26).
- o. Provide and install all vibration isolation control devices and materials required for isolating equipment and piping from the building structure. This includes all building expansion and noise requirements referenced by the Contract Documents, code and industry standards of similar type projects.
- p. Provide and coordinate (lay-out) installation of all access doors required by code, specifications or as reflected on the contract documents. Provide and coordinate (lay-out) as necessary for proper and reasonable access to equipment, piping, valves, etc. Access doors will match associated finishes and fire ratings. Access doors will be minimized by combined usage with associated contractors determining cost allocation.
- q. Coordinate all electrical requirements with Electrical Contractor. Provide any electrical power (incl: conduit, wire, devices and connections) required if not reflected on Contract Documents.

4. Specific Plumbing Food Service/Restrooms Scope

- 1. The Scope includes furnishing and installing the following items. (The intent of listing scope items is for ease of major scope identification and is not intended to be a complete listing of all items that may be required to complete the scope of work as required by the Contract Documents)
 - a. Furnish and install all system identification, tags, charts, color-coding, etc. per the Drawings and Specifications.
 - b. Provide final cleaning and wipe down of all Plumbing Equipment including piping as per Contract Documents. Provide the final cleaning just prior to the Owners first event.
 - c. Furnish and install vibration isolation equipment for all equipment and piping furnished by the Contract in accordance with Drawings and Specifications.
 - d. Provide provisions for and supply testing materials to successfully perform all testing of all systems in accordance with the Specifications and local code requirements, to include, but not be limited to, documentation and record keeping as required to certify that tests have been successfully completed. Faulty work shall be repaired and retested at the Subcontractors own expense.
 - e. Furnish and install all interconnecting (integral) wiring for Plumbing equipment. Provide testing of all plumbing systems/pipes per the specifications and Local Authorities requirements.
 - f. All existing pipe hangers exposed to the elements that are in poor condition will need to be replaced with electroplated galvanized hangers, rods and inserts. Hangers for copper pipes to be copper plated. Provide isolator pads for all water pipe

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- hangers. Pipe hangers at Level 100 and 400 exposed to the weather shall be replaced entirely.
- g. Furnish and install all pipe insulation required by the Contract Documents and local code.
 - h. Furnish and install all water closets, urinals, lavatories, electric water coolers, service sinks, countertop sinks, showers, traps and cleanouts, fixture sealant, final caulk, including custom color if required, per specifications and other accessories as required by the Contract Documents.
 - i. Furnish and install all mop sinks and fittings. This includes any Mop Sink in Concessions or Kitchens. Coordinate with Structure and provide any filler sections and / or caulking required.
 - j. Furnish and install all condensate piping and connections to all Mechanical Equipment, Food Service Equipment and auxiliary drain pans. Refer to Mechanical and Food Service Documents for details and verify installation with local codes, Drawings and Specifications or as required and recommended by equipment manufacturers.
 - k. Include all hard pipe connection required for food service equipment.
 - l. Furnish and install condensate drain piping and P-Traps from coils, condensers, overflow lines, drain pans, air vents and low point drains, as indicated per the Contract Documents.
 - m. Furnish and install all waste and vent piping in toilet chases and as required by the Contract Documents and local code.
 - n. Furnish and install all piping and equipment required to provide a fully functional bowl drainage system. Furnish and install backing for all fixtures and accessories. Coordinate with appropriate subcontractors for installation of backing material.
 - o. Install new grease waste pipe connections to existing grease waste pipe
 - p. Install new sanitary pipe connection to existing sanitary pipe in new restroom, concessions, and kitchens as required by contract documents.
 - q. Install new vent pipe connections to existing vent pipe in new restroom, concessions, and kitchens as required by contract documents.
 - r. Install new gas pipe connection to existing gas pipe system in new concessions and kitchens as required by contract documents. This includes all piping to all equipment utilizing gas.
 - s. Install gas pipe with main shutoff valves and emergency solenoid shutoff valve interconnected to new and existing hood fire sprinkler suppression system as required
 - t. Install new cold water pipe connection to existing cold water pipe in new restroom, concessions, and kitchens as required by contract documents.
 - u. Install new hot water pipe connection to existing hot water pipe in new restroom, concessions, and kitchens as required by contract documents..
 - v. Install new stainless steel I.W. drain pipe at cooler floor spill into drain trough with air gap
 - w. All existing equipment with clear waste spilling into grease waste system shall be rerouted to be spilled into new floor sink to sanitary system with air gap.
 - x. Provide new clean outs as shown on design documents and coordinate their exact location
 - y. Install new solux chief water hammer arrestors, vacuum breakers, and air admittance valves as required by contract documents.
 - z. Install new hub drains for P & T relief lines with spill relief pipe into hub with air gap as required by contract documents.

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- aa. Install new funnel floor drains to spill into funnel with air gap as required by contract documents.
- bb. Furnish and Install new floor drains in new restroom on 100 and 400 level as required by contract documents.
- cc. Furnish and Install new vent and sanitary pipe for level 100 and 400 including the MDPD new restroom and at preaction fire sprinkler drain in Broadcast area.
- dd. Furnish and install new hot and cold domestic water to new MDPD restroom to be connected to existing system.
- ee. Furnish and install new bathroom fixtures to new MDPD restrooms as required by contract documents.
- ff. Furnish and install new vent and sanitary pipe for level 100 and 400 upper concourse new restrooms as required by contract documents.
- gg. Furnish and install new bathroom fixtures to level 100 and 400 upper concourse new restroom.
- hh. Furnish and install new hot and cold domestic water to levels 100 and 400 upper concourse new restrooms to be connected to existing system.
- ii. Furnish and install new shut off valves and inline backflow preventers as shown on design drawings.
- jj. Furnish and install new sanitary pipe to floor sink as required by contract documents.
- kk. Install new grease waste pipe in level 100 and 400 concessions as required by contract documents.
- ll. Include all work associated with Beer Coolers on level 050.
- mm. Furnish and install all isolation, throttling, gate, globe, check, emergency shut-off, vent, regulating, mixing, relief, multi-purpose and automatic valves as required by the Contract Documents.
- nn. Furnish and install all strainers, pressure gauges, thermometers, expansion joints, flexible piping and tubing connections, pipe sleeves, traps, vacuum breakers, air vents, test ports, flow meters, strainers, connectors and other piping specialties as required by the Contract Documents.
- oo. Furnish, install and coordinate all rough in of Food Service equipment. This includes but is not limited to rough-in of plumbing services, drain line piping and components from the rough-in to the equipment connections. Install escutcheons on utility lines, which extend through equipment. Coordinate rough-in and final connection of services with food service subcontractor and the food service drawings. Contractor will become familiar with all associated food service equipment requirements by participating in actual sample examinations. It is understood that this subcontractor shall make all final connections and provide all hoses and clamps required to make the connections.
- pp. Furnish and install all components associated with water supply of carbonated beverage systems, including but not limited to back flow preventers, tap drain tie in and piping, etc.
- qq. Furnish and install p-traps with insulation at a minimum of 5' on outlet.
- rr. Provide protection of plumbing fixtures. Provide temporary covers for water closets and install permanent seats as directed by Construction Manager.
- ss. Coordinate and install Kitchen Floor Troughs provided by Food Service Contractor.
- tt. Cap all work: vent stubs during construction to keep sewer gas out of the building.
- uu. Subcontractor shall be responsible for protecting all drain lines during construction to ensure that the lines remain free from blockage. Immediately before substantial completion, subcontractor shall check each drain line to ensure that it is not blocked

or plugged. If drain line is blocked or plugged, subcontractor shall free pipe of blockage. Subcontractor shall operate and maintain plumbing systems until substantial completion of the work

- vv. Provide and install in all new work areas at all levels with copper piping and valves.
- ww. All Hot and Hot water return piping will be insulated as per code.
- xx. Furnish and install all interconnecting (integral) wiring for Plumbing equipment. Provide testing of all plumbing systems/pipes per the specifications and Local Authorities requirements.
- yy. Provide new 24KW insta-hot electric water heaters for all new concession stand, tailgate, and bars at 100 and 400 level specialties to match existing specification as required by the Contract Documents.
- zz. Provide new chromomite tankless water heater at janitor sink at 100 and 400 level as per design documents.
- aaa. Furnish and install new hot and cold water supply in 100 level and 400 level concessions specialties as required by the Contract Documents.
- bbb. Provide and install new drain grates at level 100 and 400 Level. New drain grates will be provided with new vandal proof bolts/screws over existing drain body.
- ccc. Relocate all piping to Ice Machine Drains into the condensate drain system. Provide insulation.