

SBD – CM REVIEW FORM

To: Business Opportunity Support Division – Construction

From: SBD CM Vivian Forhat-Diaz

Company: HUNT – Miami Dolphin Stadium

Date: 09/30/2014

Contact: Marsha Jackman

RESUBMITTAL: No

PROJECT NUMBER: BP- 7

PROJECT TITLE: Mechanical (HVAC) Infrastructure (Replacement/Modification of Mechanical equipment & piping)

PROJECT LOCATION: Miami Dolphins Stadium

SCOPE OF WORK/DESCRIPTION: The Scope is for the replacement/modification of mechanical equipment and piping. Provide and install new hydronic cooling equipment, and appurtenances. Provide and install final connections to all hydronic equipment, and appurtenances. Provide and install new chilled water air handlers supported from the structure above at the ground level. Remove and cap the existing branch ductwork, VAV boxes and associated ductwork and air distribution devices which presently serve the new sales center area (from AHU-3B. Cap and make ready for removal of existing air handler (AHU-3C), associated ductwork, VAV boxes, ductwork and air distribution devices serving the former Marlins locker room at the ground level. Remove and cap the existing branch ductwork, VAV boxes and associated ductwork and air distribution devices (from AHU-3A) which presently serve the existing mezzanine level offices of the sales center. Cap and make ready for removal of the existing AHU-3A and replace with new unit in the mezzanine office areas affected by the raker beam removal and existing air handler AHU-1 (presently serving future broadcast area). Provide and install new 20 ton chilled water unit for the new ground level broadcast area. Cap and make ready for removal of existing air handlers 2, 6, 7, 8 serving areas at the ground level, existing air handlers 3, 4, 4A, 9, 10, 11, 12, 13, 14, 15, 16, K1 at the ground level (4 & 4a at mezzanine level) and existing air handlers 18, 19, 22, 23, 24, 25, 28 and 29 located in mechanical rooms at the end zone and corners of level 100. Cap and remove fan coils from the existing concessions & stores located above ceilings as indicated on drawings. Provide and install the following: (2)16.5 ton chilled water horizontal type air handlers for the Founders club area at level 100; chilled water fan coils (2 tons each) as scheduled for the IDF and electrical rooms at level 100 providing support for the founders club; (1)10 ton chilled water horizontal type air handler as scheduled supported from the structure for the new Founders club kitchen; a 10 ton chilled water fan coil as scheduled in the four new concession areas at level 100; new fan coils in the four existing restrooms on the east (2) and west (2). Remove the fan coil units which serve the east & west corridors that is found below the 3rd level walkway and appurtenances; remove fan coil units which serve the east & west club suites along with (4) suites on the north and south sides in the areas converted to handicap suites. Provide and install all work and materials required to provide insulation of all hydronic systems, all hydronic and piping specialties, and appurtenances and all required loose starters, disconnects, control panels, VFDs and associated fuses/heaters to the Electrical Subcontractor for installation. Provide and install instrumentation, and appurtenances, all pipe-o-lets, thread-o-lets, etc. required for the HVAC Controls Systems. Demo and remove the (7) condenser water pumping systems that presently feed the various concession kitchen freezers/coolers. Provide and install a complete water treatment system for new condenser water, and chilled water and appurtenances. Provide and install a complete systems air and water balance for both hydronic systems and HVAC systems, all required sheave and belt changes required to successfully accomplish the air and water balance. Provide and install all engineered supports, hydronic equipment supports, equipment stands, miscellaneous iron, knee bracing, hanger steel, intermediate steel as required. Coordinate and schedule installation of Air Handling Units (AHUs) with architectural walls, ceilings etc. Provide and install the following: all built up plenums, and appurtenances as per Contract; all structural support of housings, plenums and casings to fully support and brace field erected housings and plenums per Manufacturers recommendations and/or Contract; supply air fans, filter sections with frame work, vibration isolators equipment, automatic dampers installation, and drain pans as required and auxiliary drain pans to include condensate drain lines where required by local codes, Drawings and Specifications and/or manufacturers recommendations. Provide and install louver blank off panels on all unused louver areas, include double-wall insulation of blank off panel; fire damper sleeves, angles and access doors as required per Contract, local code and SMACNA. Provide and install galvanized angle iron safe off of openings around duct perimeters where penetrations through walls or floors are made. Coordinate and/or install duct mounted smoke detectors provided by Electrical Contractor. Remove the fan coil units, associated ductwork, air distribution devices, piping and controls which serve the west club suites in the areas converted for the LIV expansion at level 200; the fan coil units which serve the NE, NW, SW, SE, N, S, W, E club suites and appurtenances. Disconnect and remove the existing exhaust fans located in the restroom ceiling at level 300 from their associated ductwork. Cap and make ready for removal the existing air handler 32 located on level 400 serving the Bokampers area on the east side of level 300. Provide and install mini-split type units as scheduled for the four new IT rooms located on the north and south section of the facility at level 300. Cap and remove existing fan coils along with their chilled water branch piping, controls and supports from the existing concessions & stores at level 400, and existing air handling unit 33 supported from the structure above which serves the suppers suites and press box at the levels below. Provide and install a 5 ton chilled water AHUs as scheduled for the four new concession areas at level 400; upgrade to the existing BAS system and point of interface at all future build-out spaces, food services areas and suites.

SPECIAL REQUIREMENTS: Prime must have experience in large industrial/commercial renovation projects and special engineering & Mechanical System.

Small Business Development Signature: Vivian Forhat-Diaz Date: 10/02/14

*Trades/Subtrades identified for possible subcontracting opportunities by SBD CM

HUNT Construction Group is recommending 10% for CSBE participation

PROJECT NUMBER: BP-7 (Continuation)

TRADES/SUBTRADES	AMOUNT	COMMENTS
		PRIME
Furnish & Install Mechanical Equipment	\$3,200,000.00	Mechanical Contractor A/C License. Must meet Special requirements.
Furnish & Install Hydronic Piping	\$2,100,000.00	
Furnish & Install Insulation	\$200,000.00	
Furnish & Install HVAC Controls	\$800,000.00	
		Air Conditioning Contractor
Furnish & Install Hydronic Branch Piping	\$400,000.00	*Possible Subcontracting opportunities
Furnish & Install Insulation	\$50,000.00	
Furnish & Install Firestopping	\$50,000.00	
		Electrical Specialty Low Voltage Contractor
Furnish & Install Low Voltage Conduit/Wire	\$200,000.00	*Possible Subcontracting opportunities
Bid Package Total Cost	\$7,000,000.00	