



# **ADDENDUM TO BID PACKAGE #10**

## **LAX – BRADLEY WEST GATES**

### **ADDENDUM NUMBER 04**

**MARCH 26, 2010**

Addendum Issue Date: March 26, 2010

Purpose: The purpose of this Addendum is to make changes, additions, deletions, and revisions to the bidding documents dated November 20, 2009 for the above referenced project. Bidders shall review the Addendum work and requirements in detail and incorporate any effects the Addendum may have in their bid price.

Acknowledgement: Bidders must acknowledge receipt of any and all Addenda in the space provided on the Bid Form. Failure to do so may result in rejection of the Bid.

Note: All requirements of the bidding documents remain unchanged except as cited herein.

### **Part 1 - Amendments to Bid Documents**

- Modifications to "List of Bid documents" specs revised 3/24/2010
  - Spec Section 23 8123 Computer Room Air Conditioners was missing from list in Addendum #3
- Addition of Exhibit P (Sustainable Construction Requirements)
- Narratives:
  - All BAS wiring shall be installed in conduit or approved raceway. Specification section 23 0910 2.9 J 2 shall be deleted. The use of Plenum Rated Cable (Without Conduit) is not an approved method or practice.
  - Both control notes 1 & 2 on drawing M6000 per DP5 B2 dated 2/15/2010 and control notes 1 through 8 on drawing M6000 per DP5 B1 dated 1/8/2010 are legitimate / applicable to this bid. Control notes from DP5 B1 were inadvertently removed from the drawing but still remain valid for the project.

### **Part 2 - Attachments**

- Revised spreadsheet dated 3/24/2010 listing Bid document specs indicating whether drawing/spec is a valid bid document or void (23 8123 Computer Room Air Conditioners added).
- New Exhibit P (Sustainable Construction Requirements) dated 3/25/2010.

### **Part 3 - Questions from Potential Bidders**

Question: Refer to BWG drawings M0010N, M0010S and M6001 dated 2/15/2010. On M0010N and M10010S, note 16 on the AHU Schedules calls for air flow monitoring stations for the Supply and Return air flows. The control diagram on M6001 does not indicate these airflow monitoring stations. Are these Ebtron stations a functional element of the control program and are they

connected to the BAS control system? If response is yes, please update M6001 to reflect the additional monitoring and control functions. If response is no, please indicate the deletion of the supply and/or return air flow monitoring stations for the Air Handling specifications and schedules.

Answer: Retain supply and return air flow stations. Include air flow monitoring as BAS inputs. Include software programming to incorporate fan tracking. MG001 will be updated to reflect these changes.

Question: Specification section 232115 Hydronic piping calls out of Ethylene glycol fill while specification section 236425 thermo storage systems calls out for Propylene glycol fill. Please clarify.

Answer: Refer to Addendum 03. Engineer's response is to delete Ethylene Glycol.

Question: Refer to BWG specification section 23 3113 - 4.2.2 dated 10/11/09. Specs call out five (5) manufacturers who are all located out of Southern California. This requirement substantially increases the cost for the ductwork system with no resultant benefits. Can HVAC contractor use local manufacturers who can fabricate this ductwork in accordance to SMACNA's Construction Standards for Round Ducts and Fittings while also complying with LEED Regional Material Requirements?

Answer: Local manufacturers comply with SMACNA and LAMC will be accepted.

Question: Refer to BWG specification section 23 2115 dated 2/15/2010. There is no mention for the use of "Domestic" or "Import" Pipe. Will the requirement for this pipe be provided in future specifications? If so, when?

Answer: All piping that is approved by the city of LA Mechanical Testing Lab and has an RR number will be accepted regardless of origin.

Question: Refer to BWG drawings M41N1 dated 1/8/2010, M41N1B dated 12/11/2009, and M21N1 dated 2/15/2010. There are three unlabeled/untagged fan coils on M41N1 (grid lines AA.6/N5 & DD/N5). They also appear on M41N1B. Are these fan coil units ECU-N27, ECU-N28 and ECU-N29 shown on M21N1?

Answer: Please refer to M21N1 date 2/15/2010 Package 5, B2 for equipment designation. These units are FCU-N27, FCU-N28 & FCU-N29. Same units appear on piping plans M41N1B.

Question: Refer to BWG specification section 23 4100-2.7 dated 1/8/2010. In Duct Ionization Generator Type D does not clearly indicate a basis of design product or acceptable manufacturers for the ionization filters. Will this information be provided? If so, when?

Answer: The manufacturer of the BiPolar-Ionization Generator Type D is: Plasma – Uplink (CA Based/LA), Plasma – Aerisa (Phoenix, AZ based).

Question: Refer to BWG drawing M7000 dated 1/8/2010. Condensate drain and secondary drain is shown on details 8/M7000 and 12/M7000. They do not show a flex piping connector on details 2 and 4, but the fan coil unit show spring hangers. Will flex connectors be required in the piping and drainage connections?

Answer: 1.Flexible connection is not required for condensate drain or secondary drain.  
2.Provide Griswold Hose Kit with flexible connections for chilled water piping per note 7 on equipment schedule.

Question: Drawing M0030 and M5000 indicates 12" main condenser water supply and return piping between chillers and temporary cooling towers. Per schedule on drawing M0011N, required rate for cooling tower is 4800 GPM. Per industry standards, to supply 4800 GPM requires 16"-18" pipe. Please confirm 12" main pipe is sufficient.

Answer: The response in Addendum 03 indicates that the condenser water piping is to stop at the point of connection outside the building per M41N1A and M43N1A. That pipe is 20" diameter. Provide the piping indicated on M41N1A and to the point of connection on M43N1A. Do not provide piping to the east that was deleted in Addendum 03.

Question: Refer to BWG drawings M27N1 through M27N3 and M27S1 through M27S6. Please provide duct dimensions of the roof ductwork as well as type and capacities of associated air distribution for takeoff and pricing.

Answer: Use sizes from M27N1 as a representative for all similar ducts.

## **End of Addendum 04**

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