



## MDF ROOM CRU REPLACEMENT

### RFP QUESTIONS & ANSWERS

Interim: November 26, 2018

**Question # 1:** Is it acceptable for bidders to email you their bid/proposal documents?

***Answer # 1:*** Yes, it is acceptable to email the bid/proposal. It is the contactors responsibility to confirm a receipt email from the District indicating their bid was received.

**Question # 2:** I know that there is a bid form for this project, but is it acceptable to submit a clarification letter along with the completed bid form or are we required to submit ONLY the completed bid form?

***Answer # 2:*** Yes, it is acceptable to submit a clarification letter with the completed bid form.

**Question # 3:** Are there any particular tasks associated with this project that we need to figure as being completed during an off hours shift or weekend shift? Hole Coring / Cutting Holes through walls is a noisy task that we had discussed during our walkthrough. Working above the ceiling in the corridor near the Bathrooms also comes to mind. I did find some info on Off Hours / OT Work in Section 260500, Page 6, Part 1.14 Overtime Work, but that info seems to be specific to Div 26 Electrical Work scope.

***Answer # 3:*** The contractor should anticipate working off hours for tasks such as hole coring/cutting of holes in the office walls adjacent to the MDF room and Loge Level concourses.

**Question # 4:** Can you please provide clarification as to the amount of time that we will be allowed to have the CRU offline? As we discussed there is a General Note on drawing T100, but I believe that that note is literally a general note that is not specific to this job. I can tell you that there is no way that we will be able to shutdown the existing CRU, pull it out, put the new CRU in place, reconnect the electrical & controls, reconnect the ductwork, and then provide factory certified startup of the unit in a 2 hour period of time. That isn't even going to happen in an 8 hour day. I honestly see CRU-L-02 being down for days if not a full week.

***Answer # 4:*** Miller Park will provide a 1-1/2 ton capacity spot cooler. The contractor shall provide a second 1-1/2 ton spot cooler. Contractor shall place both units in the MDF Room, power the units using receptacles in the room and install flexible ductwork for spot cooler condenser heat rejection. The condenser heat rejection ducts shall discharge through existing blank-ed off openings in the wall between the MDF Room and the Concourse. The contractor shall blank off any openings created after the spot coolers are removed. The contractor shall confirm with Miller Park operations personnel that the spot coolers are providing sufficient cooling prior to demolishing the existing CRU.

**Question # 5:** Since there is no way that the existing to remain CRU-L-01 can keep up with the cooling load demand in the MDF Room, I believe that we will have no choice but to provide temporary cooling equipment. Can you please provide us with minimum / maximum temperature and humidity level that we will be required to maintain in the MDF Room during the duration of this project? As we discussed,



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that MDF Room is one of the warmest “server rooms” that I have been in. Most server rooms are pretty cool and dry, the MDF room was warm & pretty humid.

**Answer # 5:** The room shall be maintained at 75F and 50% RH.

**Question # 6:** We had discussed adding duct cleaning to the scope of work for this project. Would you please clarify if you want duct cleaning (for the existing to remain ductwork) to be included in the Base Bid scope for this project or if you would like an alternate bid price for cleaning the existing ductwork? We had also noticed that the supply grilles in the MDF Room looked dirty &/or rusty. Would you please clarify if you want cleaning or replacing the grilles included in the Base Bid scope or if you would like an alternate bid price for cleaning/replacing the existing supply grilles?

**Answer # 6:** It is at contractor’s discretion to note a separate price for the duct/supply grill cleaning on the bid form.

**Question # 7:** Keyed Note #14 on Drawing M101 indicates that we are to provide a new fire damper in the new 24” dia Supply Air ductwork. Will we need to provide a new fire damper for the existing to remain Supply Air ductwork associated with CRU-L-01 as well? Also, will we need to provide new fire dampers in the New/Existing Return Air ductwork? This is a code compliance concern.

**Answer # 7:** Disregard note 14. No fire damper is required.

**Question # 8:** Will we need to provide a drain pan under the new 2 ½” CWS&R Lines that are to be routed above Electrical Room 3804? Again, the new CWS&R Lines are routed above the electrical room, not through the electrical room, so maybe a drain pan isn’t required.

**Answer # 8:** No.

**Question # 9:** Keyed Note #8 on Drawing M102 calls for us to provide an angle iron containment basin around the CRUs. Do you want us to provide liquid detection cabling in the containment basin so that in the event that the floor drain backs up you can have an alarm to alert someone that water is filling up the containment basin?

**Answer # 9:** No.

**Question # 10:** Is the intent that we will connect to the existing CWS&R risers inside Room FPR 3803? Or would the tie in point be outside of Room 3803?

**Answer # 10:** The tie in shall be within Room 3803, as indicated on the drawings.

**Question # 11:** Is there ANY temperature control field installation work that we need to include in our Base Bid Price? Or is the intent for this project that the JCI Miller Park Operations Group will provide ALL field installation work? I know that Section 011100, Page 1, Part 1.3 Work by Owner mentions the work that is being provided, but I think that is a pretty general note.

**Answer # 11:** All temperature control work shall be by the JCI Operations department.



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**Question # 12:** See Spec section 200519, Pag 4, Note F. Is a Hydronic Indication System required for this project?

***Answer # 12:*** No.

**Question # 13:** See Spec section 232113, Page 6, Part 1.7 Spare Parts. Are we to include an extra 45-Gallon Drum of glycol in our Base Bid to turn over as a “spare part” at the end of the project?

***Answer # 13:*** No.

**Question # 14:** See Spec section 238123, Page 2, Part 1.6 Warranty. Is a 5 year warranty required for the entire replacement CRU? Or is the intent that a 1-year parts & labor warranty is required for the new CRU, and an extended 5-year parts only warranty is required for only new the refrigeration compressors?

***Answer # 14:*** Compressors only.