

Q&A – ECMs for Cleveland, OH

Questions & Answers

1. Will an extension to the deadline be granted to accommodate the answers and clarifications to these questions and any amendments that are to be provided to the bidders by the 30th?
 - **At this time, the bid opening is still scheduled for September 6, 2012.**
2. Can photographs of the existing conditions / wiring issues (discussed during the pre-bid meeting) associated with the VFD drive installation be made available?
 - **Attached.**
3. Can photographs of the site conditions of the areas around the hot water heat exchangers be made available?
 - **Attached.**
4. For Bid Item #6, measurement of energy usage before and after is requested on drawing MI-0-600. Is there a specification (not found) for number of units and duration of monitoring period?
 - **Contractor shall monitor 6 units (to be selected later) for a duration of 30 days prior to installation and for 30 days following installation. Record power consumption on a weekly basis and reference the usage to the number of “normal” working days per week.**
5. Will there be a listing of approved equals for the Lighting Schedule?
 - **The luminaries listed are the basis of design. Alternate luminaries manufactured in the USA may be provided so long as: they use no more energy, provide at least as many lumens, have the same photo metrics and are of comparable construction.**
6. No site lighting plan in the drawings showing the “K” Lighting Schedule Bollards. They are listed under Bid item #3 under A. Branch Circuits, Number 7. How many to bid? Do they need new concrete bases? Design spec of new concrete pour?
 - **Bollards are shown on drawings: EL-3-101-G, EL-3-102-G, EL-3-103-G, and EL-3-104-G. They are located in the “bottom most” bay of the garage. They are “recessed into cast concrete bollards. The work effort is to retrofit a new luminaire into the existing cast concrete bollard as described in the Luminaire schedule on sheet EL-3-102-G.**
7. Bid item #3 under A. Branch Circuits, Number 9, Not clear on where Occupancy Sensors are to “Step Dim” fixtures to 50%
 - **Step dimming occurs at type “R” luminaires.**
8. Bid item #3 under B. Occupancy Sensors, Number 1, “Life Cycle Cost Study” Are the parameters for this study spelled out anywhere? Level of Detail? M&V? and site verifications?
 - **No life cycle cost is required. Contractor shall measure 6 locations for 30 days prior to modifications and for 30 days after modifications for M&V requirement.**

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9. Bid item #3 under D. Daylight Harvesting, Number 2, “Life Cycle Cost Study” Same questions as above.
- **No life cycle cost is required. Contractor shall measure 6 locations for 30 days prior to modifications and for 30 days after modifications for M&V requirement.**
10. It appears that “Axis Technologies” has now become “Green Ballast Inc?” The part number needs to be amended and drawings changed for the Daylight Harvesting ballast retrofits if this is the case.
- **Green Ballast Inc. is an acceptable manufacturer. Ballast shall match performance of ballast indicated.**
11. If existing fixtures have shunted lamp holders, bid should include parts and labor to disassemble fixtures that are receiving daylight harvesting ballasts. Harvest ballasts are rapid start.
- **Contractor shall provide “non-shunted” sockets (lampholders) for luminaires type Q, R & S.**
12. It appears that all “L” & “M” fixtures on the Lighting Schedule are to be ordered with a 0-10V Dimming ballast. Most Installations in the project of “L” & “M” fixture types do not have Daylight harvesting. Is the dimming driver required for all fixtures even if not being dimmed?
- **Contractor shall provide 0-10V dimming ballasts in daylight harvesting areas. Dimming ballasts are not required in switched areas.**
13. Are Dual technology ceiling sensors needed in all applications? PIR would be ideal in many rooms to eliminate false trigger while providing good coverage. Lower cost as well.
- **Contractor shall provide dual technology devices as indicated on the plans.**
14. Will specification sections 26 05 26, 26 08 00, 26 09 23, 26 51 00, and 27 10 00 be issued?
- **Insert specification sections 26 05 26, 26 08 00, 26 09 23, 26 51 00 and 27 10 00 and 27 15 00 into the specifications. Replace sections 00 10 00, 25 99 99 previously issued with the revised copies.**
15. Will any drawings be revised?
- **Substitute the following revised drawings for the previously issued versions:**
 - **MI-2-10B**
 - **Mi-2-603**
 - **MI-2-605**
 - **Mi-2-608.**
16. Bid item # 3 – DWG#EL.3.102.G – LUMINAIRE SCHEDULE: New fixtures type A,B & C will be pendant mounted or surface mounted?
- **New type A, B, and C fixtures shall be surface mounted to match the existing LED fixtures that were installed on the parking garage extension to the west of the original garage.**

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17. Bid item # 1 – DWG # EP.1.10B – PARTIAL BASEMENT POWER PLAN: Please clarify wire from new VFD to panel 4SD1 and VFD to TWP-1,2,3&4 required to replace with new wire or existing wire can be reused?

- **Existing wire from can be reused only if the existing lengths are of adequate length. Butt-splices to extend existing wire will not be permitted.**

18. Shift work allowed?

- **Shift work will be required where new lighting fixtures or controls are being installed in occupied, non-common areas, such as offices, nursing stations, and similar areas that cannot be vacated. Shift work for other aspects of the “Lighting” Items and Options in other areas MAY be permitted on a case-by-case basis upon proper request and approval by the VA COTR. Shift work normally not be permitted for any mechanical work.**