



To: All Prospective Bidders

From: Purchasing/DBE Department

Date: March 4, 2016

Subject: Inquiries and Responses and Clarifications

ITB#: 105-2016: LED Lighting for Music City Center Garage

### Inquiries and Responses:

1. What kind of T5 fixtures are there now and what kind of lamps are in the existing fixtures? **There are 2/T-5 54 watt/HO lamps in a 4' fixture.**
2. Will we be able to put a connex for materials storage in place and if not, do you have an alternate storage plan? **We will provide storage.**
3. How high are the fixtures located from ground level? **Typically 10' with the exception of the ramps.**
4. My reps were wondering if the fixtures have T5 high output lamps in them and if they are vapor-tight? They are having trouble finding the exact lamp that you have specified, and I see that there is no alternates, please advise on this as soon as possible. ? **Upon further research, TVA confirmed that as long as the awarded contractor's tube has the same wattage as the tube that was submitted (see specifications) and is either DLC listed or Energy Star certified it will qualify for the program.**
5. During the project will the garage be cleared one level at a time or will there be multiple levels cleared or is there another plan? **Availability is dependent on the events that are in the building and will require coordination with our staff. Typically you should have access 30 to 50 fixtures a day or more.**
6. Is there a lighting print available that shows what is there now? **Yes. However, what is currently on the print is not what was installed due to change in construction.**
7. Is this a true "one for one" retrofit? **Yes.**

8. There is a question about the T-8 LED replacement tubes. Being able to produce a 300 degree beam angle is a harder and more costly tube. Are you willing to accept a 240 to 260 degree of beam angle? **We prefer 300 degree or higher beam angle.**
9. Are you aware that the T-5 tubes are 1.875 shorter than the T-8 tubes? **Yes.**
10. Are you requiring a vapor lock fixture, a wraparound shield, or an open lamp fixture? **We are not replacing fixtures, just lamps to LEDS and tombstones.**
11. What is the time frame for the replacement of the fixtures? **The project must be completed 30 days after receiving notice to proceed.**
12. The specified T8 replacement tube (Energy Wise #EWMLED-T8-18-4ft-BY) will not qualify for TVA incentives and will also void all electrical safety mark of the existing fixture ("luminaire"). The model is not DLC (Design Lights consortium) listed nor LDL (Lighting Design Labs) listed, which are the required qualified product lists (QPLs) for TVA incentives. It is also not listed in any UL databases, when specific electrical safety marks are needed to maintain building electrical code. There is a high risk of an inspector requiring that equipment is removed, and also the risk of fire, shock, and other safety hazards that UL helps to prevent. Are you asking the awarded contractor to void the UL mark on the existing luminaires, and proceed anyway? **Based on the information provided the replacement tube is DLC listed as well as UL classified. Therefore, we are not asking the awarded contractor to void the UL mark.**
13. Will Green Creative LED Tubes be considered a suitable replacement for the EnergyWise tubes specified in the bid since it appears "EnergyWise" is private labeling Green Creative's LED tubes? **Upon further research, TVA confirmed that as long as the awarded contractor's tube has the same wattage as the tube that was submitted (see specifications) and is either DLC listed or Energy Star certified it will qualify for the program. Therefore, you are welcome to use Green Creative LED tubes, if you elect to do so.**
14. It is highly recommended that a local inspector pre-approves a mockup prior to any installations, and if not, it makes the electrical contractor liable for code violations and will bring future financial burden on many parties. **This step has already been completed.**
15. Only retrofit kits which have been tested and approved to UL1598C standards will ensure electrical safety, code compliance, and overall healthy operation of the complete lighting unit (luminaire). Have the requirements of UL-1598(c) been considered for this project? **Yes.**
16. Are you aware that the specified solution will decrease light levels (when comparing to T5 HO lamp fixtures) after multiple fixtures are installed? Are you aware that the specified solution does not consider "absolute photometry" and complete fixture replacement, which will often yield a lower total cost of ownership (TCO) over time? A larger scale mockup, proper photometric analysis, and Life Cycle Cost Benefit Analysis (LCCBA) are recommended to ensure the best financial benefit for the Owner and most visibility and safety for all users. **We appreciate your recommendation; however, we will proceed with the project as planned.**

17. Questions regarding Bid on the Parking Garage 105-2016. In the bid for Install in Exhibit C: On line 2. Tombstones, wires, wire nuts, screws you have N/A that is fine I can include that in the price of bulbs. **Line 2 will still require a price. Please use the unit price and extended amount column. You are more than welcome to delete the N/A put a quantity and unit of measure.**
18. In Exhibit C On line 3. it has hourly rate 640 and want unit price. Where did the 640 come from? Can we submit a bid price per fixture? **It is estimated that it will take 640 man hours to complete the job. If you would like to submit an alternate bid per fixture you are allowed to do so; however you must complete a bid by hourly rate.**

#### **Clarifications:**

- The specification sheet of the proposed tube must be included with your bid.
- There will not be a public opening for this bid.
- There is not a prevailing wage rate.