

Capitol Complex - Lighting
OMB/DFM Contract No. MJ1002000009

CLARIFICATIONS

- 1) **QUESTION:** Please elaborate on the scope of work for removal and replacement of the existing ground wire system. Depending on the ownership of the electrical service to each of these poles, and the type of branch circuit layout, this task could be rather limited (i.e., just replacement of grounding system in each pole), or extensive (possibly requiring the addition of an equipment grounding conductor (EGC) with all existing underground circuits to meet current code).

RESPONSE: Since the grounding conductor is run with branch circuit wiring, replacement would be a last resort if there is a failed meg-ohm test. The intent is to verify the integrity of the ground path to trip a breaker in the event of a ground fault.

- 2) **QUESTION:** Who owns and provides maintenance on the existing light poles? Is this Delmarva Power or City of Dover? Who owns and maintains the underground electrical service system to all the poles?

RESPONSE: The State of Delaware owns and maintains poles, heads, and wiring throughout the system(s) to be evaluated. They will remain our responsibility after work is completed.

- 3) **QUESTION:** Is the ownership and layout of the circuit system consistent throughout all of the fixtures?

RESPONSE: See response #2. The entire group of poles to be considered is fed from multiple (4) locations.

- 4) **QUESTION:** After the project is completed, will another agency (besides Delmarva or whoever owns/maintains) be taking ownership of the poles only, or any parts of the electrical distribution system? By understanding the ownership rights, it would provide insight into the expected coordination efforts necessary with the utility provider to properly scope the amount of hours required for each task, as well as which electrical codes to follow.

RESPONSE: See response #2. All repairs and upgrades shall comply with the National Electric Code.

- 5) **QUESTION:** Lighting Analysis. Will there be a requirement to perform photometric calculations to evaluate if lighting levels will meet DelDOT or other nationally recommended target values for pedestrians and/or roadways?

RESPONSE: The lighting analysis may be a requirement of the project. We are working with the vendor of the poles (to be retained) on head replacement options.

- 6) **QUESTION:** If already approved by the utility provider, will LED technologies be considered for this project or will High Pressure Sodium (HPS) or Metal Halide (MH) luminaires be used?

RESPONSE: Yes, LED will be considered.

7) **QUESTION:** Will the existing underground branch circuit conductors, as well as the internal pole ungrounded/grounded (hot/neutral) conductors need to be evaluated for replacement, as part of this project?

RESPONSE: Yes, all pole wiring needs to be replaced from base connections to the new head. All other branch circuit wiring needs evaluation.

8) **QUESTION:** Will a civil engineer and/or historic consultant be required for the project?

RESPONSE: Perhaps. If the branch circuit wiring needs replacement a civil engineer may be required to coordinate underground work. We expect to submit our luminaire choice to the Dover Historic Review Board for their endorsement.