## CITY OF PHOENIX STREET LIGHTING PROJECT NAME

### STREET LIGHTING GENERAL NOTES

The following information is provided to emphasize critical work and is intended to supplement the specifications:

1. The contractor shall comply with all state and city statutes and ordinances.
2. Prior to submitting the street light design, the designer should review all original construction drawings and visit the construction site to become familiar with existing conditions under which he will operate and which may affect the work under the contract.
3. The street light designer shall verify dimensions at the site and immediately report any discrepancies to the developer or construction manager and will proceed with work only if he is assured that such discrepancies will be corrected by the contractor.
4. The electrical contractor shall comply with all electrical requirements set forth in the state regulations of contractors prior to performing work relating to street light equipment.

### LED STREETLIGHT NOTES

**SALT RIVER PROJECT (SRP) NOTES**

1. **CONTRACTOR SHALL CALL SRP FOR A PRE-CONSTRUCTION MEETING PRIOR TO ANY EXCAVATION AT 602-236-6300.**
2. **CONTRACTOR WILL SUPPLY ALL TRACING AND CONDUIT REQUESTED BY THE SRP PROJECT MANAGER.**
3. **CONTRACTOR WILL STATE STREET LIGHTS FOR CITY OF PHOENIX APPROVED STREET LIGHT CONSTRUCTION SPECIFICATIONS.**
4. **GRADE STAKE WILL BE SET WITHIN TWO (2) FEET OF EACH LOCATION.**
5. **GROUND ROOD WILL BE PROVISED AND INSTALLED BY CONTRACTOR IN SRP J-BOX AT EACH STREETLIGHT LOCATION.**
6. **SRP DUCT BANK SPECIFICATIONS FOR ALL DUCT BANK ENCASEMENT REQUIREMENTS.**
7. **CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.**
8. **CONTRACTOR IS RESPONSIBLE FOR THE INTEGRITY OF ALL CONDUITS UNTIL SRP HAS INSTALLED THE STREETLIGHT TO THEIR ORIGINAL CONDITION.**
9. **CONTRACTOR PRIOR TO CONSTRUCTION.**
10. **CONTRACTOR SHALL COMPLY WITH STATE AND CITY STATUTES AND ORDINANCES.**
11. **MATERIALS AND WORKMANSHIP FOUND TO BE DEFECTIVE WITHIN THE WARRANTY PERIOD SHALL BE REPAIRED OR REPLACED.**
12. **THIS GUARANTEE IS TO BE IN WRITING TO THE CITY AT THE TIME OF ISSUING FINAL ACCEPTANCE.**
13. **RIGHT OF WAY AND IN DIRT TO BE 1/2 SLURRY MIX AND 1/2 SLURRY MIX MAXIMUM UNDER ALL SRP EQUIPMENT.**
14. **THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.**
15. **THE CONTRACTOR SHALL BE FREE OF DUST, DIRT OR ANYTHING THAT WOULD IMPAIR THE OUTPUT OF THE LIGHT.**
16. **A MANDREL INSPECTION IS REQUIRED WITH SRP INSPECTOR WITHIN 3 DAYS OF FINAL INSPECTION. CONTRACTOR MAY IMPAIR THE OUTPUT OF THE LIGHT.**
17. **ALL DUCT BANK ENCASEMENT REQUIREMENTS.**
18. **SURPLUS EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR.**
19. **THIS GUARANTEE IS TO BE IN WRITING TO THE CITY AT THE TIME OF ISSUING FINAL ACCEPTANCE.**
20. **THE CONTRACTOR SHALL BE FREE OF DUST, DIRT OR ANYTHING THAT WOULD IMPAIR THE OUTPUT OF THE LIGHT.**

### ITEM NUMBER | TYPE OF STREET | QUANTITY | MOUNTING HEIGHT | POLE LENGTH | ELECTRICAL | MATERIALS AND WORKMANSHIP | APPROVED LUMINAIRE MANUFACTURERS | LUMINAIRE STYLES | VOLTAGE | APPROVED LUMINAIRE MANUFACTURERS | LUMINAIRE STYLES | VOLTAGE |
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<td>(8) TEST</td>
<td>L83</td>
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**All Catalog Numbers shall be confirmed with Power Company prior to ordering.**

### SHEET INDEX

- **COVER SHEET:** SL-1
- **SHEET PLAN:** SL-2
- **DETAIL SHEET:** SL-3

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**Street Lighting Project Plan:**

- **Sheet Index:** SL-1
- **Street Light Plan:** SL-2
- **Detail Sheet:** SL-3

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**Legend:**

- **New LED Cobrahead Luminaire:**
- **Existing Streetlight Pole:**
- **Duct Bank:**
- **Power Duct:**
**FOR NON-STANDARD POLES, CONTACT THE STREET TRANSPORTATION STREETLIGHTING SECTION FOR INFORMATION.**

1. **#12 CU FROM GROUND**
   - **TORQUE BOLTS TO 5 FT-LBS (60 IN-LBS).**

2. **JUNCTION BOX - THHN / THWN**
   - **RED MICARTA TAG (APN 00080796) PROVIDED BY SPEC**
   - **REUSED FROM OLD LID.**

3. **THE TRENCH DEPTH CHANGES.**
   - **TRENCH DEPTHS AND THE DEGREE OF SLOPE ALLOWED AS SERVICE**
   - **BE A MINIMUM OF 85 PERCENT.**

4. **SERVICE CONDUITS SHALL BE INSTALLED AS SHOWN IN**
   - **GROUT PER POSITION JUNCTION BARS ARE SPECIFIED, THE ST. LT., FINAL GRADE FLUSH WITH RAISED AND LOWERED EASILY. CONDUIT SWEEPS SHALL BE INSTALL THE SAME END OF THE BOX TO ENABLE CABLES TO BE**
   - **INCLUDED.**

5. **WITH 10A KTK FUSE**
   - **PC1118C504-17/UH0390AA PC1118B513 BOX**
   - **#12 BLACK 120V**
   - **REPLACEMENT LID FOR MEDIUM PLASTIC JUNCTION BOX IS PART NUMBER**

6. **OF J-BOX DETAILS.**

7. **SECONDARY WIRE CODES**
   - **L = LIGHTS**
   - **M = MASTERS**
   - **N = NON-CURRENT CARRYING CONDUCTIVE MATERIALS ENCLOSING ELECTRICAL**
   - **DESCRIPTION**
   - **APN**
   - **COLOR**
   - **TYPE**
   - **VOLTS**
   - **WATTS**
   - **LUMENS**
   - **LUMINAIRE 95WATT, 4000K, 8,200 LUMEN, ROADWAY, LED, TERMINAL BOARD, 10KV SURGE PROTECTION, 90 DEGREE CUTOFF, GRAY, MULTIVOLT 120/208/240/277 DRIVER, IES NARROW ASYMMETRIC MEDIUM, ANSI C136.41 7 PIN TWISTLOCK PHOTO CONTROL RECEPTACLE, CSA OR UL CERTIFIED, ANSI C136.15 WATTAGE LABEL.**
   - **DESCRIPTION**
   - **APN**
   - **COLOR**
   - **TYPE**
   - **VOLTS**
   - **WATTS**
   - **LUMENS**
   - **LUMINAIRE 60WATT, 4000K, 5,100 LUMEN, ROADWAY, LED, TERMINAL BOARD, 10KV SURGE PROTECTION, 90 DEGREE CUTOFF, GRAY, MULTIVOLT 120/208/240/277 DRIVER, IES NARROW ASYMMETRIC MEDIUM, ANSI C136.41 7 PIN TWISTLOCK PHOTO CONTROL RECEPTACLE, CSA OR UL CERTIFIED, ANSI C136.15 WATTAGE LABEL.**

8. **POLE HAND HOLE FUSING DETAIL**

9. **GROUNDING DETAIL**

10. **J-BOX DETAIL**

11. **J-BOX SECTION**

12. **STREET LIGHT POLE CABLE ATTACHMENTS AND GROUNDING DETAIL**

**ENGINEERING NOTES:**
- **SEE SPEC 8130 - 8131 FOR IN-LINE FUSE FOR UNDERGROUND FEEDS.**
- **FROM THE J-BOX TO EACH LUMINAIRE.**
- **ADJUST PHOTO EYE TO FACE NORTH.**
- **CONSTRUCTION NOTES:**
  - **WHERE A GROUND ROD CANNOT BE DRIVEN**
  - **ADJUST PHOTO EYE TO FACE NORTH.**
  - **SHOULD BE APPROVED FOR WET LOCATIONS. (NEC 300.5) FROM THE J-BOX TO EACH LUMINAIRE.**
  - **ADJUST PHOTO EYE TO FACE NORTH.**
  - **OF J-BOX DETAILS.**
  - **COMPLETELY REDUCED TO SMALL PARTIAL EQUATION**
  - **EQUATION CONNECTED WITH PHOTO EYE.**
THIS SHEET FOR INFORMATIONAL PURPOSES ONLY.