

**CITY OF FRESNO
PUBLIC WORKS DEPARTMENT
GENERAL NOTES FOR
STREET LIGHT PLANS ASSOCIATED WITH ALL PROJECTS**

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CALIFORNIA "STANDARD SPECIFICATIONS", ISSUED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, THE NATIONAL ELECTRICAL CODE, AND THESE SPECIAL PROVISIONS:
2. LUMINARIE SHALL BE COBRA HEAD TYPE, 120V LIGHT EMITTING DIODE (LED) WITH QUICK ACTING PHOTOELECTRIC CELL AND SHALL BE SELECTED PURSUANT TO SECTION 23-3 OF THE CITY SPECIFICATIONS. INSTALL FUSE (KTK-5) AND FUSE HOLDER (BUS-HEB) IN LUMINARIE. CONTRACTOR TO WELD HAND HOLD CLOSED AFTER FINAL INSPECTION.
3. ALL STREETLIGHTS SHALL BE NUMBERED PER STD. DWG. E-25. NUMERICAL SEQUENCE TO BE OBTAINED FROM PG&E. NUMERALS SHALL BE 2-1/2" HIGH AND INSTALLED 10'-6" ABOVE FINISHED GRADE.
4. ALL CONDUITS SHALL BE SCH. 80 P.V.C., OR SCH. 40 P.V.C., AS PER STD. DWG. NOS. E-1, E-2, AND E-6 (NOTE 1), EXCEPT THAT CONDUIT FOR MAJOR STREET CROSSINGS SHALL BE GALVANIZED RIGID CONDUIT. ALL PVC CONDUIT SHALL BE UNDER SIDEWALK. IF NOT UNDER SIDEWALK, GALVANIZED RIGID CONDUIT SHALL BE BACKFILLED IN A 4" WIDE TWO SACK CONCRETE SLURRY MIX.
5. PULL BOX SPACING SHALL NOT EXCEED 200 FT. PULL BOXES SHALL BE REQUIRED AT ALL CONDUIT CHANGE OF DIRECTION AND ADJACENT TO EACH STREETLIGHT. INSTALL 6" 6 SACK CONCRETE CAP AND CLEAN PEA GRAVEL. STAMP THE LETTERS "SL" 2-1/2" TALL INTO THE FINISHED CONCRETE USING A STAMP DESIGNED FOR THAT PURPOSE. "POINT OF SERVICE" PULL BOX LID SHALL BE VANDAL RESISTANT LOCKING LIDS OR APPROVED EQUIVALENT WITH NO CONCRETE OR PEA GRAVEL. VANDAL RESISTANT LOCKING LIDS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT FINAL INSPECTION. CONTRACTOR SHALL PROVIDE TEMPORARY LID DURING CONSTRUCTION. LOCKING LIDS SHALL BE GALVANIZED STEEL DIAMOND PLATE, MINIMUM THICKNESS 3/16", WITH TWO (2) CLAMPING JAWS AND BE KEYED TO THE CITY OF FRESNO KEY. PULL BOXES IN NON-CONCRETE AREAS SHALL BE SURROUNDED BY A ONE-FOOT RING OF CONCRETE TO THE DEPTH OF THE PULL BOX AND EXTENSION, AND ALL CONDUITS SHALL ENTER THESE PULL BOXES THROUGH THE BOTTOM, USING 90 DEGREE ELBOWS, AND SHALL EXTEND 3 TO 5 INCHES ABOVE THE FINISHED GROUT. CONTRACTOR SHALL TIGHTEN DOWN ALL LOCKING LID(S) TO A MINIMUM TORQUE SPEC OF 25 FOOT POUNDS. UPON PROJECT COMPLETION CONTRACTOR SHALL INSTALL LOCKING LID PLUGS.
6. IF THE SERVICE PEDESTAL IS EQUIPPED WITH A LIGHTING CONTACTOR AND NO MASTER PHOTO CONTROL IS INSTALLED, THE CONTRACTOR SHALL INSTALL A MASTER PHOTO CONTROL ATOP A 30' TALL SIGNAL POLE ADJACENT TO THE SERVICE PEDESTAL, OR ATOP THE NEAREST STREETLIGHT POLE. THE MASTER PHOTO CONTROL SHALL BE WIRED BACK TO THE SERVICE PEDESTAL USING THREE NO. 12 AWG STRANDED COPPER WIRES COLOR MATCHED TO THE PEC. THE PEC WILL BE MOUNTED USING HARDWARE MANUFACTURED FOR THAT PURPOSE, OR FABRICATED HARDWARE APPROVED BY THE TSSL SUPERVISOR. IF THE PEDESTAL IS NOT EQUIPPED WITH A LIGHTING CONTACTOR THE CONTRACTOR SHALL UPGRADE THE PEDESTAL TO MEET THE LATEST C.O.F. STANDARDS.

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7. ALL STREETLIGHTS AND SAFETY LIGHTS FED FROM A PEDESTAL EQUIPPED WITH A CONTACTOR SHALL BE SWITCHED BY THAT CONTACTOR, AND THEIR PEC'S REPLACED WITH SHORTING CAPS.
8. ALL WORK SHALL COMPLY WITH CITY OF FRESNO STANDARD DRAWINGS NOS. E-1 THROUGH E-37, AND CITY OF FRESNO STANDARD SPECIFICATIONS.
9. ALL STREET LIGHT MATERIALS (LUMINAIRES AND POLES) SHALL BE APPROVED IN WRITING BY CITY OF FRESNO TRAFFIC SIGNALS & STREET LIGHTS (TSSL) DIVISION PRIOR TO ORDERING OF MATERIAL. ALL MATERIAL NOT APPROVED PRIOR TO ORDERING SHALL BE SUBJECT TO REJECTION AT NO COST TO THE CITY.