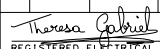


LEGEND:

| | |
|------------|--|
| AB | ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS |
| BC | INSTALL PULL BOX IN EXISTING CONDUIT RUN |
| BP | PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN |
| CB | INSTALL CONDUIT INTO EXISTING PULL BOX |
| CC | CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED |
| CF | CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE |
| DH | DETECTOR HANDHOLE |
| FA | FOUNDATION TO BE ABANDONED |
| IS | INSTALL SIGN ON SIGNAL MAST ARM |
| NS | NO SLIP BASE ON STANDARD |
| PEC | PHOTOELECTRIC CONTROL |
| PEU | PHOTOELECTRIC UNIT |
| RC | EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR |
| RE | REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS |
| RL | RELOCATE EQUIPMENT |
| RR | REMOVE AND REUSE EQUIPMENT |
| RS | REMOVE AND SALVAGE EQUIPMENT |
| SC | SPLICE NEW TO EXISTING CONDUCTORS |
| SD | SERVICE DISCONNECT |
| TSP | TELEPHONE SERVICE POINT |






ABBREVIATIONS

| | | | |
|-------|---|-------|---|
| AC+ | UNDERGROUNDED CONDUCTOR | MAT | MAST ARM MOUNTING TOP ATTACHMENT |
| APS | ACCESSIBLE PEDESTRIAN SIGNAL | MAS | MAST ARM MOUNTING SIDE ATTACHMENT |
| Ba+t | BATTERY | MBPS | MANUAL BYPASS SWITCH |
| BBS | BATTERY BACKUP SYSTEM | M/M | MULTIPLE TO MULTIPLE TRANSFORMER MOUNTING |
| BC | BOLT CIRCLE | Mtg | MERCURY VAPOR LIGHTING FIXTURE |
| Bik | BLACK | MV | MICROWAVE VEHICLE DETECTION SYSTEM |
| BP | BYPASS | MVDS | NEUTRAL (GROUNDED CONDUCTOR) |
| BPB | BICYCLE PUSH BUTTON | N | NEUTRAL BUS |
| C | CONDUIT | NB | NORMALLY CLOSE |
| CB | CIRCUIT BREAKER | NC | NORMALLY OPEN |
| CCTV | CLOSED CIRCUIT TELEVISION | NO | CIRCUIT BREAKER'S POLE |
| Ckt+ | CIRCUIT | P | PULL BOX |
| CMS | CHANGEABLE MESSAGE SIGN | PB | PUSH BUTTON ASSEMBLY |
| C+id | CALTRANS IDENTIFICATION COMMUNICATION | PBA | PHOTOELECTRIC CONTROL |
| Comm | COMMUNICATION | PEC | PEDESTRIAN |
| CntI | CONTROL | Ped | PHOTOELECTRIC UNIT |
| DF | DEPARTMENT-FURNISHED | PEU | CONDUIT WITH PULL TAPE |
| DLC | LOOP DETECTOR LEAD-IN CABLE | PT | POWER TRANSFER RELAY |
| EMS | EXTINGUISHABLE MESSAGE SIGN | PTR | RELOCATED EQUIPMENT |
| EVUC | EMERGENCY VEHICLE UNIT CABLE | RE | RAMP METERING |
| EVUD | EMERGENCY VEHICLE UNIT DETECTOR | RM | ROADSIDE WEATHER INFORMATION SYSTEM |
| FB | FLASHING BEACON | RWIS | SLIP BASE |
| FBCA | FLASHING BEACON CONTROL ASSEMBLY | SB | SIGNAL INTERCONNECT CABLE |
| FBS | FLASHING BEACON WITH SLIP BASE | SIC | SIGNAL |
| FO | FIBER OPTIC | Sig | SIGNAL MAST ARM |
| G | EQUIPMENT GROUNDING CONDUCTOR | SMA | STREET NAME SIGN |
| GB | GROUND BUS | SNS | SERVICE POINT |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | SP | TERMINAL BOARD |
| Grn | GREEN | TDC | TELEPHONE DEMARCATION CABINET |
| HAR | HIGHWAY ADVISORY RADIO | Temp | TEMPERATURE |
| Hex | HEXAGONAL | TMS | TRAFFIC MONITORING STATION |
| HPS | HIGH PRESSURE SODIUM | TOS | TRAFFIC OPERATIONS SYSTEM |
| IISNS | INTERNALLY ILLUMINATED STREET NAME SIGN | UPS | UNINTERRUPTABLE POWER SUPPLY |
| ISL | INDUCTION SIGN LIGHTING | UPSC | UNINTERRUPTABLE POWER SUPPLY CONTROLLER |
| LED | LIGHT EMITTING DIODE | Veh | VEHICLE |
| LMA | LUMINAIRE MAST ARM | VIVDS | VIDEO IMAGE VEHICLE DETECTION SYSTEM |
| LPS | LOW PRESSURE SODIUM | Wh+ | WHITE |
| Ltg | LIGHTING | WIM | WEIGH-IN-MOTION |
| Lum | LUMINAIRE | Xfmr | TRANSFORMER |
| M | METERED | | |

| | | | | | |
|--|--------|-------|--------------------------|-----------|--------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
| | | | | | |
|  REGISTERED ELECTRICAL ENGINEER Theresa Gabriel No. E15129 Exp. 6-30-16 ELECTRICAL ENGINEER STATE OF CALIFORNIA | | | | | |
| October 30, 2015 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | | |

TO ACCOMPANY PLANS DATED _____

SOFFIT AND WALL-MOUNTED LUMINAIRES

-  PENDANT SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  FLUSH-MOUNTED SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  WALL-MOUNTED LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
-  EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO REMAIN UNMODIFIED
-  EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:

Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

| SYMBOL | DEFINITIONS |
|-------------------|----------------------------|
| Ω | OHMS |
| min | MINUTE |
| s | SECOND |
| bps | BITS PER SECOND |
| Bps | BYTES PER SECOND |
| A | AMPERE |
| V | VOLT |
| V _(dc) | VOLT (DIRECT CURRENT) |
| V _(ac) | VOLT (ALTERNATING CURRENT) |
| FC | FOOT - CANDLE |
| W | WATTS |
| VA | VOLT-AMPERE |
| M | MEGA |
| k | KILO |
| m | MILLI |
| μ | MICRO |
| P | PICO |
| Hz | HERTZ |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION









ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1A DATED JULY 19, 2013 AND STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A























MISCELLANEOUS ELECTROLIERS

| NEW | EXISTING | |
|---|---|---|
|  |  | LUMINAIRE ON WOOD POLE |
|  |  | NON-STANDARD ELECTROLIER (SEE PROJECT LEGEND) |
|  |  | CITY ELECTROLIER |
|  |  | ELECTROLIER FOUNDATION (FUTURE INSTALLATION) |

NOTES:

- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

| NEW | EXISTING | STANDARD TYPE |
|---|--|---------------|
|  |  | 15 |
|  |  | 15D |
|  |  | 15 STRUCTURE |
|  |  | 15D STRUCTURE |
|  |  | 21 |
|  |  | 21D |
|  |  | 21 STRUCTURE |
|  |  | 21D STRUCTURE |
|  |  | 30 |
|  |  | 31 |
|  |  | 32 |