# ADOT STANDARD DRAWINGS

| REVISION DATE | STANDARD NUMBER | SUBJECT: TRAFFIC SIGNALS & LIGHTING DETAILS |
|---|---|---|
| | **T.S. 0** | **SYMBOLS** |
| 01/04 | 0-1 | PLAN SYMBOLS |
| 01/04 | 0-2 | PLAN SYMBOLS |
| 01/04 | 0-3 | PLAN SYMBOLS |
| | **T.S. 1** | **PULL BOXES** |
| 01/04 | 1-1 | NO. 5 CONCRETE PULL BOX |
| 01/04 | 1-2 | NO. 5 CONCRETE PULL BOX EXTENSION |
| 01/04 | 1-3 | NO. 7 CONCRETE PULL BOX |
| 01/04 | 1-4 | NO. 7 CONCRETE PULL BOX EXTENSION |
| 01/04 | 1-5 | POLYMER PULL BOX |
| 01/04 | 1-6 | TRAFFIC SIGNAL & LIGHTING NO. 9 PULL BOX |
| 01/04 | 1-7 | TRAFFIC SIGNAL & LIGHTING NO. 9 PULL BOX COVER & LIFT HANDLES |
| 01/04 | 1-8 | TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS |
| 01/04 | 1-9 | BARRIER JUNCTION BOX |
| | **T.S. 2** | **FOUNDATIONS** |
| 01/04 | 2-1 | FOUNDATION FOR TYPE II LOAD CENTER CABINET |
| 01/04 | 2-2 | FOUNDATION FOR TYPE IV LOAD CENTER CABINET |
| 01/04 | 2-3 | FOUNDATION FOR TYPE III CONTROL CABINET |
| 01/04 | 2-4 | FOUNDATION FOR TYPE IV & V CONTROL CABINETS |
| 01/04 | 2-5 | TRAFFIC SIGNAL & LIGHTING TYPE A FOUNDATION FOR 340 CONTROL CABINETS |
| 01/04 | 2-6 | METER PEDESTAL CABINET FOUNDATION AND BASE |
| 09/05 | 2-7 | UPS FOUNDATION DETAIL |
| | **T.S. 3** | **CABINETS** |
| 01/04 | 3-1 | TYPE II LOAD CENTER CABINET |
| 01/04 | 3-2 | TYPE IV LOAD CENTER CABINET |
| 01/04 | 3-3 | TYPE II LOAD CENTER CABINET WIRING DETAILS 120/240 3W |
| 01/04 | 3-4 | TYPE II LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT |
| 01/04 | 3-5 | TYPE IV LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT |
| 01/04 | 3-6 | TYPE III CONTROL CABINET |
| 01/04 | 3-7 | POLE MOUNT FOR TYPE III CONTROL CABINET |
| 01/04 | 3-8 | POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET |
| 01/04 | 3-9 | TYPE IV CONTROL CABINET |
| 01/04 | 3-10 | TYPE V CONTROL CABINET |
| 04/05 | 3-11 | CONTROL CABINET MOUNTED SERVICE ENCLOSURE |
| 01/04 | 3-12 | JACK MOUNTED COMPONENTS |
| 01/04 | 3-13 | METER PEDESTAL CABINET |
| 01/04 | 3-14 | ELEVATOR BASE FOR TYPE IV CONTROL CABINET |
| 01/04 | 3-15 | TRAFFIC SIGNALS & LIGHTING MODEL 345 CABINET DETAILS |
| 01/04 | 3-16 | TRAFFIC SIGNALS & LIGHTING MODEL 345 CABINET CAGE DETAILS |
| 01/04 | 3-17 | 125 AMP, 120/240 OR 240/480 V, SINGLE PHASE METER SOCKET AND DISCONNECT |
| 01/04 | 3-18 | 125 AMP,120/240 OR 240/480 V,SINGLE PHASE UTILITY PULL SECTION/DISCONNECT |
| 04/05 | 3-19 | METER PEDESTAL CABINET WIRING DIAGRAMS |
| | **T.S. 4** | **POLES AND POSTS** |
| 01/04 | 4-1 | TYPE "A" POLE |
| 01/04 | 4-2 | TYPE "E" POLE AND MAST ARMS |
| 01/04 | 4-3 | TYPE "F" POLE AND MAST ARMS |
| 09/04 | 4-4 | TYPE "G" POLE AND MAST ARMS |
| 06/04 | 4-5 | ALUMINUM TYPE "G" POLE AND MAST ARMS |
| 01/04 | 4-6 | ALUMINUM TYPE "H" POLE AND MAST ARMS |
| 01/04 | 4-7 | ALUMINUM TYPE "I" POLE AND MAST ARMS |
| 01/04 | 4-8 | TYPE "J" POLE AND MAST ARMS |
| 06/06 | 4-9 | TYPE "K" POLE AND MAST ARMS |
| 01/04 | 4-10 | TYPE "Q" POLE AND MAST ARMS |
| 01/04 | 4-11 | TYPE "R" POLE AND MAST ARMS |
| 01/04 | 4-12 | TYPE "S" POLE |
| 01/04 | 4-13 | ALUMINUM TYPE "S" POLE |
| 01/04 | 4-14 | TYPE "T" POLE AND LUMINAIRE MOUNTING BRACKET |
| 01/04 | 4-15 | ALUMINUM TYPE "T" POLE |
| 01/04 | 4-16 | TYPE "U" POLE ELLIPTICAL BASE DETAILS |
| 01/04 | 4-17 | TYPE "U" POLE ROUND BASE |
| 01/04 | 4-18 | TYPE "U" POLE FOUNDATION DETAILS |
| 01/04 | 4-19 | TYPE "U" POLE CONNECTION DETAILS |
| 01/04 | 4-20 | POLE HAND HOLE DETAIL |
| 01/04 | 4-21 | POLE DRILLING DETAIL |
| 01/04 | 4-22 | PEDESTRIAN PUSH BUTTON POST |
| 06/04 | 4-23 | ANCHOR BOLTS |

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| | **T.S. 5** | **POLE BASES - SPECIAL** |
| 08/04 | 5-1 | TYPE 2 BREAK-AWAY BASE FOR 30' POLE |
| 07/04 | 5-2 | TYPE 3 BREAK-AWAY BASE FOR 40' POLE AND ABOVE |
| | **T.S. 6** | **LIGHTING - POLE OFFSETS** |
| 01/04 | 6-1 | HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS |
| | **T.S. 7** | **DETECTORS** |
| 01/04 | 7-1 | LOOP DETECTOR LOCATION AND INSTALLATION DETAILS |
| 02/09 | 7-2 | DETECTOR LOOPS FOR TRAFFIC COUNTERS |
| 12/08 | 7-3 SHT 1 | DETECTOR LOOPS FOR SPEED/VEHICLE CLASSIFICATION |
| 12/08 | 7-3 SHT 2 | DETECTOR LOOPS FOR SPEED/VEHICLE CLASSIFICATION |
| 12/08 | 7-3 SHT 3 | SINGLE CABINET LANE CONFIGURATIONS |
| 12/08 | 7-4 | ATR CABINET DETAIL |
| 01/04 | 7-5 | PRE-FORMED LOOP DETECTORS FOR FMS/RAMP METERING/COUNT |
| 01/04 | 7-6 | PRE-FORMED LOOP DETECTORS IN BRIDGE |
| 01/04 | 7-7 | PRE-FORMED LOOP DETECTORS IN PCCP |
| 01/04 | 7-8 | PRE-FORMED LOOP DETECTOR STUB-OUT DETAIL |
| 09/08 | 7-9 | MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION |
| 12/08 | 7-10 SHT 1 | PIEZOELECTRIC WEIGHT SENSOR AND LOOP LAYOUT |
| 12/08 | 7-10 SHT 2 | PIEZOELECTRIC WEIGHT SENSOR AND LOOP LAYOUT |
| 12/08 | 7-10 SHT 3 | PIEZOELECTRIC WEIGHT SENSOR AND LOOP LAYOUT |
| 12/08 | 7-11 SHT 1 | QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT |
| 12/08 | 7-11 SHT 2 | QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT |
| | **T.S. 8** | **SIGNAL ASSEMBLIES** |
| 09/04 | 8-1 | SIGNAL FACES WITH BACKPLATES |
| 09/04 | 8-2 | SIGNAL FACES WITH BACKPLATES |
| 09/04 | 8-3 | SIGNAL FACES WITH BACKPLATES |
| 01/04 | 8-4 | VISORS FOR 8" AND 12" SIGNALS |
| | **T.S. 9** | **MOUNTING ASSEMBLIES - SIGNAL** |
| 01/04 | 9-1 | TYPE I & II MOUNTING ASSEMBLIES |
| 01/04 | 9-2 | TYPE III & IV MOUNTING ASSEMBLIES |
| 01/04 | 9-3 | TYPE V MOUNTING ASSEMBLY |
| 01/04 | 9-4 | TYPE VI MOUNTING ASSEMBLY |
| 01/04 | 9-5 | TYPE VII MOUNTING ASSEMBLY |
| 01/04 | 9-6 | TYPE VIII MOUNTING ASSEMBLY |
| 01/04 | 9-7 | TYPE IX MOUNTING ASSEMBLY |
| 01/04 | 9-8 | TYPE X MOUNTING ASSEMBLY |
| 01/04 | 9-9 | TYPE XI MOUNTING ASSEMBLY |
| | **T.S. 10** | **MOUNTING CASTINGS - SIGNAL** |
| 01/04 | 10-1 | MISCELLANEOUS SIGNAL MOUNTING PARTS |
| 01/04 | 10-2 | MAST ARM PLUMBIZER |
| 01/04 | 10-3 | POLE PLATE DETAIL |
| 01/04 | 10-4 | TERMINAL COMPARTMENT, SIDE MOUNTED AND POLE TOP MOUNTED |
| | **T.S. 11** | **PEDESTRIAN DETAILS** |
| 01/04 | 11-1 | TYPE I PEDESTRIAN PUSH BUTTON |
| 01/04 | 11-2 | TYPE II PEDESTRIAN PUSH BUTTON |
| 01/04 | 11-3 | SIGNS FOR PEDESTRIAN PUSH BUTTONS |
| 01/04 | 11-4 | SIGNS FOR INTERNATIONAL SYMBOL PUSH BUTTONS |
| | **T.S. 12** | **FLASHERS** |
| 01/04 | 12-1 | ADVANCE WARNING FLASHER POLE DETAIL |
| | **T.S. 13** | **ILLUMINATION - SIGNS** |
| 11/04 | 13-1 | SIGN LIGHTING DETAIL FOR TUBULAR SIGN STRUCTURES |
| 11/04 | 13-2 | SIGN LIGHTING DETAILS FOR TRUSS TYPE SIGNS |
| 11/04 | 13-3 | FUSE PANEL DETAILS FOR SIGN LIGHTING |
| 11/04 | 13-4 | SIGN LIGHTING DETAIL FOR MEDIAN MOUNTED SIGN |
| 11/04 | 13-5 | PLACEMENT OF LIGHTING FIXTURES FOR OVERHEAD SIGNS |
| | **T.S. 14** | **ILLUMINATION - SPECIAL** |
| 01/04 | 14-1 | PEDESTRIAN BRIDGE LIGHTING DETAILS |
| 01/04 | 14-2 | PEDESTRIAN BRIDGE LIGHTING DETAILS |
| | **T.S. 15** | **SERVICE** |
| 01/04 | 15-1 | PHOTO ELECTRIC CELL MOUNTING DETAILS |
| 01/04 | 15-2 | TYP. SPAN WIRE DETAILS FOR TEMPORARY SIGNALS |

| NO. | DESCRIPTION OF REVISION | MADE BY | DATE |
|---|---|---|---|
| 1 | RE-ISSUED T.S. 7-3 & T.S. 7-4, T.S. 7-10, T.S. 7-11 | L. LOPEZ | 02/09 |
| 2 | RE-ISSUED T.S. 7-2 | L. LOPEZ | 12/08 |

| ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW | | | |
|---|---|---|---|
| | NAME | | DATE |
| TRAFFIC SIGNAL & LIGHTING STANDARDS | | | |
| PROJECT NO. | | IC | OF |
| AS BUILT DATA | FEDERAL AID NO. | AS BUILT DATE | OF |