ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
EFFECTIVE NOVEMBER 2009

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
	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

REVISION DATE	STANDARD NUMBER	SUBJECT: TRAFFIC SIGNALS & LIGHTING DETAILS
	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
11/09	7-2	VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
11/09	7-3 SHT 1	SPEED AND VEHICLE CLASS DETECTORS
11/09	7-3 SHT 2	SPEED AND VEHICLE CLASS DETECTORS
11/09	7-4	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
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
03/09	7-10 SHT 1	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LAYOUT
03/09	7-10 SHT 2	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LAYOUT
03/09	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
11/09	7-12	CONTROL CABINET INSTALLATION DETAILS
	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.1 | DESCRIPTION OF REVISION | RE-ISSUED T.S. 7-2, T.S. 7-3, T.S. 7-4 & ADDED NEW ISSUE T.S. 7-12 | MADE BY | C. COLE | DATE | 11/09
NO.2 | DESCRIPTION OF REVISION | | MADE BY | L. LOPEZ | DATE | 3/09

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

v:/TRAFFIC/users/a26916 6:43:38 PM 11/30/2009 V:\Traffic\Dev\tr_dev\english_stds\signal_light\current_stds\ICNovember09_V8.dgn