

ADOT STANDARD DRAWINGS
TRAFFIC SIGNAL AND LIGHTING STANDARDS
 (SHEET 1 OF 2)
 EFFECTIVE APRIL 2019

NO.1 DESCRIPTION OF REVISION REVISION NO. 1-4 AND I.S. 3 SERIES, MODIFIED I.S. 4 SERIES, AND CREATED T-SL SERIES, MADE BY A. ALZUBI DATE 04/19
 NO.2 DESCRIPTION OF REVISION REVISION NO. 5-12 AND I.S. 5 SERIES, MODIFIED I.S. 4 SERIES, AND CREATED T-SL SERIES, MADE BY L. LOPEZ DATE 05/15
 NO.3 DESCRIPTION OF REVISION REVISION NO. 13-15 AND I.S. 5 SERIES, MODIFIED I.S. 4 SERIES, AND CREATED T-SL SERIES, MADE BY A. ALZUBI DATE 04/19

REVISION DATE	STANDARD NUMBER	SUBJECT: TRAFFIC SIGNALS AND LIGHTING DETAILS	REVISION DATE	STANDARD NUMBER	SUBJECT: TRAFFIC SIGNALS AND LIGHTING DETAILS
	T. S. 0	ABBREVIATIONS, SYMBOLS AND DEFINITIONS		T-SL 4	POLES AND POSTS
05/15	0-1	STANDARD ABBREVIATIONS	04/19	4.01	TYPE A POLE
01/12	0-2 SHT 1	PLAN SYMBOLS	04/19	4.02	TYPE S POLE
01/12	0-2 SHT 2	PLAN SYMBOLS	04/19	4.03	TYPE T POLE
01/12	0-2 SHT 3	PLAN SYMBOLS	04/19	4.04	TYPE S AND TYPE T STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
03/10	0-3 SHT 1	STANDARD DEFINITIONS	04/19	4.05	ALUMINUM TYPE S POLE
03/10	0-3 SHT 2	STANDARD DEFINITIONS	04/19	4.06	ALUMINUM TYPE T POLE
04/19	0-4	REFERENCE DOCUMENTS AND GENERAL REQUIREMENTS	04/19	4.07	TYPE G POLE
	T. S. 1	PULL BOXES	04/19	4.08	ALUMINUM TYPE G POLE
09/11	1-1 SHT 1	LIGHT DUTY - LIGHT WEIGHT NO. 5 AND NO. 7 PULL BOX	04/19	4.09	ALUMINUM TYPE H POLE
09/11	1-1 SHT 2	LIGHT DUTY - LIGHT WEIGHT NO. 5 AND NO. 7 SLOPE WALL BODY PULL BOX DETAILS	04/19	4.10	ALUMINUM TYPE I POLE
03/15	1-2	HEAVY DUTY NO. 5 AND NO. 7 STRAIGHT BODY WALL PULL BOX DETAILS	04/19	4.11	GENERAL NOTES FOR TRAFFIC SIGNALS AND LIGHTING POLES WITH MAXIMUM LOADING CASE
09/11	1-3	REPLACEMENT LID SIZING FOR EXISTING NO. 5 AND NO. 7 PULL BOXES	04/19	4.12	TYPE J POLES (25-J, 30-J, 35-J, AND 40-J) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH
09/11	1-4 SHT 1	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS	04/19	4.13	TYPE Q POLES (25-QL, 30-QL, 35-QL, AND 40-QL) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
09/11	1-4 SHT 2	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS	04/19	4.14	TYPE K POLES (45-K, 50-K, AND 55-K) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH
09/11	1-4 SHT 3	TYPICAL PULL BOX INSTALLATION DETAILS	04/19	4.15	TYPE R POLES (45-RL, 50-RL, AND 55-RL) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
09/11	1-5 SHT 1	ELECTRICAL CONDUIT COVER AND TRENCH REQUIREMENTS	04/19	4.16	TYPE V POLES (60-V AND 65-V) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH
09/11	1-5 SHT 2	CONDUIT EXPANSION COUPLINGS	04/19	4.17	TYPE W POLES (60-WL AND 65-WL) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
09/11	1-6	CONDUCTOR REQUIREMENTS	04/19	4.18	POLE HAND HOLE DETAILS
03/10	1-7	TRAFFIC SIGNAL IMSA CABLE COLOR CODES	04/19	4.19	TYPE U POLE (ELLIPTICAL BASE) DETAILS
09/11	1-8 SHT 1	FRONT OF BARRIER JUNCTION BOX	04/19	4.20	TYPE U POLE (ROUND POLE WITH SQUARE BASE) NOTES
09/11	1-8 SHT 2	BACK OF BARRIER JUNCTION BOX	04/19	4.21	TYPE U POLE (ROUND POLE WITH SQUARE BASE) FOUNDATION DETAILS
09/11	1-9	TOP OF BARRIER JUNCTION BOX DETAILS	04/19	4.22	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 1
09/11	1-10	TOP OF BARRIER JUNCTION BOX DETAILS	04/19	4.23	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 2
10/13	1-11 SHT 1	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX	04/19	4.24	TYPE U POLE (ROUND POLE WITH SQUARE BASE) PIPE TENON DETAILS
10/13	1-11 SHT 2	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX	04/19	4.25	TYPE U POLE (ROUND POLE WITH SQUARE BASE) TWIN LUMINAIRE BRACKET DETAILS
03/15	1-11 SHT 3	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX LID	04/19	4.26	EQUIPMENT MOUNTING HEIGHT DETAILS
03/15	1-12 SHT 1	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX	04/19	4.27	PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
03/15	1-12 SHT 2	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX	04/19	4.28	POLE FOUNDATION ANCHOR BOLTS
	T. S. 2	FOUNDATIONS	04/19	4.29	STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
03/10	2-1	FOUNDATION FOR TYPE II LOAD CENTER CABINET	04/19	4.30	ALUMINUM TRUSS MAST ARM DETAILS FOR TYPE G, H, AND I POLES
03/10	2-2	FOUNDATION FOR TYPE IV LOAD CENTER CABINET	04/19	4.31	SIGNAL MAST ARM TENON DETAIL
03/10	2-3	FOUNDATION FOR TYPE III CONTROL CABINET	04/19	4.32	TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
03/10	2-4	FOUNDATION FOR TYPE IV AND V CONTROL CABINETS			
03/10	2-5	FOUNDATION FOR TYPE 340 CONTROL CABINET			
03/10	2-6	METER PEDESTAL CABINET FOUNDATION AND BASE			
03/15	2-7	TRAFFIC SIGNAL UPS CABINET FOUNDATION DETAIL			
	T. S. 3	CABINETS			
12/12	3-0	NOTES FOR TYPE II AND IV LOAD CENTER CABINETS			
03/10	3-1	TYPE II LOAD CENTER CABINET	03/10	6-1	TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	3-2	TYPE IV LOAD CENTER CABINET	03/10	6-2 SHT 1	TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	3-3	TYPE II OR IV LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT	03/10	6-2 SHT 2	TYPE SA SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	3-4 SHT 1	PHOTO ELECTRIC CELL MOUNTING DETAILS	03/10	6-2 SHT 3	TYPE SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	3-4 SHT 2	PHOTO ELECTRIC CELL MOUNTING DETAILS	12/12	6-3	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	3-5 SHT 1	TYPE I AND II METER PEDESTAL CABINET	12/12	6-4 SHT 1	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	3-5 SHT 2	METER PEDESTAL CABINET	12/12	6-4 SHT 2	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	3-6	TYPE III CONTROL CABINET	03/15	6-4 SHT 3	DETAIL A PIEZOELECTRIC SENSOR DETAILS
03/10	3-7	POLE MOUNTED TYPE III CONTROL CABINET	12/12	6-4 SHT 4	DETAIL B DETECTOR LOOP DETAILS
03/10	3-8 SHT 1	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET	12/12	6-4 SHT 5	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	3-8 SHT 2	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET	03/10	6-5	MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	3-9 SHT 1	TYPE IV AND V CONTROL CABINET NOTES	03/10	6-6	QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	3-9 SHT 2	TYPE IV CONTROL CABINET	03/10	6-7	TRAFFIC DATA COLLECTION CABINET INSTALLATION DETAILS
03/10	3-9 SHT 3	TYPE V CONTROL CABINET	03/10	6-8	TYPE MPD CABINET POLE, BASE AND FOUNDATION INSTALLATION DETAILS
03/10	3-10	CABINET EXTENSION OR ELEVATOR BASE			
03/10	3-11	CONTROL CABINET MOUNTED SERVICE ENCLOSURE			
03/10	3-12 SHT 1	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS			
03/10	3-12 SHT 2	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS			
03/10	3-13 SHT 1	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS			
03/10	3-13 SHT 2	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS			
03/10	3-13 SHT 3	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET CAGE DETAILS			

ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
TRAFFIC SIGNAL & LIGHTING STANDARDS		NAME	DATE
PROJECT NO.		IC-1	OF _____
RECORD DRAWING DATA	FEDERAL AID NO.	REC. DWG. DATE	OF _____