LEGEND: (FOR SHEET E-9)

On a sheet that includes only legend and schedules, identify all the electrical systems plan sheets that it supports. In this case, sheet E-9 is on example plan B2.

1 REFER TO SIGN PLANS FOR SIGN DETAILS.

2 DEPARTMENT-FURNISHED MODEL 2070E CONTROLLER ASSEMBLY. INSTALL BBS.

3 120/240 V, 1Ø, 3-WIRE, TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 13450010021106T

AMPERES	VOLTS	POLES	NAMEPLATE DESCRIPTION	METER
100	240	2	MAIN BREAKER	YES
50	120	1	TRAFFIC SIGNAL (DERRAN)	YES
50	120	1	TRAFFIC SIGNAL (WB RAMP)	YES
20	120	1	SPARE	YES
		6	SPACE	

CTID No. 13450010021106L

AMPERES	VOLTS	POLES	NAMEPLATE DESCRIPTION	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN BREAKER	YES	
20	120	1	STREET LIGHTING	YES	IV
15	120	1	SPARE	YES	
		6	SPACE		

The conductor and conduit schedule table refers to conduit run numbers designated on the electrical system plan (this schedule is for Example B2), and provides concise information for cables and conductors inside the various conduits and their sizes. Various modifications of this schedule have been used by the districts depending on the preference of using individual conductors or cables for signal standards.

These two schedules and referenced layout provide the majority of information needed to order and install the electrical equipment at a given location and should be designed and reviewed carefully.

The standard and equipment schedule table refers to standards designated with a letter on the electrical system plan and provides concise information for electrical standards as defined in the ES series of Standard Plans, Revised Standard Plans and Special Electrical Structures (SES) project plans. The schedule identifies standard type, signal mast arm, luminaire mast arm, signal and pedestrian heads, accessible pedestrian signal with push button assembly, luminaire, and special requirements as needed.

CONDUCTOR AND CONDUIT SCHEDULE

CONDUCTOR DESIGNATION			RUN NUMBER									
CABLE TYPE	Std (X)	PHASE	NUMBER OF CONDUCTORS									
			1	2	3	4	5	6	7	8	9	10
Veh-Ped 12CSC / PBA 3CSC	A	1,2,2P	1	1								
	B	1,6,6P	1	1	1							
	C	3,4 6	1 1	1 1	1 1	1 1						
	D	3,8,8P 6	1 1	1 1	1 1	1 1	1 1					
	E	5,6,6P 8	1 1	1 1	1 1	1 1	1 1	1 1				
	F	2,5,2P 8	1 1							1 1	1 1	1 1
	G	7,8,8P 2	1 1								1 1	1 1
	H	4,7 2	1 1									1 1
TOTAL CABLES 12/3 CONDUCTORS			8 6	5 3	4 3	3 3	2 2	1 1		1 1	2 2	3 3
#6		SIGNAL	2									
#6		LIGHTING		2	2			2	2	2	2	2
APS Manufacturer's Cable		Ø2P								1		
		Ø6P				1		1				
		Ø8P						1		1		
TYPE B DLC		Ø1	2						2	2	2	2
		Ø2	3	3								
		Ø2 MID	1									
		Ø2 ADVANCE	1									
		Ø3	2								2	2
		Ø4	3	3	3	3						
		Ø4 MID	1	1	1	1						
		Ø4 ADVANCE	1	1	1	1						
		Ø5	2	2								
		Ø6	3						3	3	3	3
		Ø6 MID	1						1	1	1	1
		Ø6 ADVANCE	1						1	1	1	1
		Ø7	2	2	2	2						
		Ø8	3								3	3
		Ø8 MID	1									1
		Ø8 ADVANCE	1									1
TOTAL DLCs PER RUN			28	12	7	7			7	7	12	14
CONDUIT SIZE			4"(2)	4"	4"	4"	4"	4"	4"	4"	4"	4"

If the accesible pedestrian signal (APS) and the pedestrian signal head for the same pedestrian phase are on separate poles, add the APS manufacturer cable through applicable conduits and pull boxes between the two poles (with callouts or in the conduit and conductor schedule).

STANDARD AND EQUIPMENT SCHEDULE

STANDARD				Veh Sig Mtg				Ped SIGNAL		APS		LUMINAIRE	SPECIAL REQUIREMENTS
⊗	TYPE	SMA	LMA	Ø	MAST ARM	Ø	POLE	Ø	Mtg	Ø	ARROW		
A	1-A					1,2	TV-2-T	2	SP-1-T				
B	26-4-100	45′	12′	1,6	MAS MAS	6	SV-1-T	6	SP-1-T			165 W	F = 15′, INSTALL R73-3 SIGN ON SMA AND D3-1 SIGN ON SIGNAL POLE 1
C	1-A					3,4	TV-2-T			6	→		
D	24-4-100	35′	12′	3,8	MAS MAS	8	SV-1-T	8	SP-1-T	6	←	165 W	F = 14′, INSTALL R73-3 SIGN ON SMA AND D3-1 SIGN ON SIGNAL POLE 1
E	1-A					5,6	TV-2-T	6	SP-1-T	8	→		
F	26-4-100	45′	12′	2,5	MAS MAS	2	SV-1-T	2	SP-1-T	8	←	165 W	F = 15′, INSTALL R73-3 SIGN ON SMA AND D3-1 SIGN ON SIGNAL POLE 1
G	1-A					7,8	TV-2-T	8	SP-1-T	2	→		
H	26-4-100	45′	12′	4,7	MAS MAS	4	SV-1-T			2	←	165 W	F = 15′, INSTALL R73-3 SIGN ON SMA AND D3-1 SIGN ON SIGNAL POLE 1

Organize sheets that include only legend and schedules in the plan set to follow the sheets they support.

Even though this is not a plan view sheet, repeating this modifier quickly informs the bidder and contractor of the applicable location for the legend and schedules.

ELECTRICAL EXAMPLE B3, LEGEND AND SCHEDULES — 3 of 3

LOCATION 3

SIGNAL AND LIGHTING SYSTEM

E-11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — ELECTRICAL — STATE OF CALIFORNIA

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.

EXAMPLE B3 SIGNAL AND LIGHTING SYSTEM - RELEASED 2/02/2017

LAST REVISION 03-14-16 DATE PLOTTED => 02-FEB-2017 TIME PLOTTED => 08:58

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

BORDER LAST REVISED 7/2/2010 | USERNAME => s136641 | DGN FILE => example B3-ua_010.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1313 | PROJECT NUMBER & PHASE 13000101101