

SK-PCC 327-1

NOTES:

1. REFER TO DRAWING ET-109 FOR POLE AND EQUIPMENT SCHEDULE & CONDUIT AND WIRING SCHEDULE.
2. F/I (N) TYPE M-SF TRAFFIC SIGNAL CABINET & CABINET FOUNDATION AND (N) TYPE 2070 INTERSECTION CONTROLLER. SEE ET-202 FOR M-SF CABINET & CABINET FOUNDATION INSTALLATION DETAILS.
3. F/I IN-LINE FUSE WITH 40 AMP FUSE FOR THE I/C SERVICE.
4. APS UNIT SHALL HAVE A 4-FT X 4-FT LANDING CLEARANCE. THE CONTRACTOR SHALL LOCATE APS UNIT ON POLE IN FIELD WITH SFMTA TRAFFIC SIGNAL ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
5. FOR CONDUITS TO BE REPLACED, F/I 1/4" NYLON PULL ROPE, CAP ENDS, AND ABANDON IN PLACE.
6. EXTEND (N) 4- 2" INTERCONNECT CONDUITS TO (E) AND PROVIDE CONNECTIONS.
7. F/I (N) TYPE 3X PULL BOX IN (E) CONDUIT RUN. CUT AND MODIFY (E) CONDUITS AS NECESSARY.
8. REFER TO SL-SERIES DRAWING FOR (N) STREETLIGHT POLES AND LOCATIONS.

Note: Exact pole locations to be determined in field by SFMTA's Traffic Engineer

Ellis Street One-Way conversion. Bagged all signal heads for Phase 4.

Ian Trout.

SRC 2019-391

10-07-2020

Conduit & Wiring Schedule is accurate for conduit 15, 16, & 17.

TRAFFIC SIGNAL PLAN

SCALE = 1" = 20'

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12/17/2022 SRC 2022-281 REMOVE INACTIVE ARM ON POLE 2		D.YeungGdeLeonGdeLeon	
3/27/2018		1	
02/15/2012		0	
DATE	DESCRIPTION	REV	BY
12/17/2022	SRC 2022-281 REMOVE INACTIVE ARM ON POLE 2	1	D.YeungGdeLeonGdeLeon
3/27/2018		0	
02/15/2012		0	

SFMTA		CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY	
APPROVED		APPROVED	
DIRECTOR OF TRANSPORTATION		DIRECTOR OF TRANSPORTATION	

THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY UNION SQUARE/MARKET STREET STATION		1253 CL-19230	
TRAFFIC SIGNALS ELLIS, STOCKTON, MARKET, AND 4TH PLAN		ET-108 2	

WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 43 CFR PARTS 15 AND 1620. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSON WITHOUT A "NEED TO KNOW", AS DEFINED IN 43 CFR PARTS 15 AND 1620, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION.

POLE/EQUIPMENT
SCHEDULE
TRANSCRIBED ON
FOLLOWING PAGE

CONDUIT AND WIRING SCHEDULE (F/I UON)

CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
CONDUIT SIZE (INCH)		2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	4-2	4-2
NOTES					4	4							4	4	4								4	4	EX	EX	EX	EX	EX		4	4													
WIRING (F/I)	#14 AWG WIRES																																												
	PED SIG 89, POLE 1	2			2					2			2			2																													
	VEH SIG 24, POLE 2		3		3					3			3			3																													
	VEH SIG INACTIVE, POLE 2		3		3					3			3			3																													
	VEH SIG 47, POLE 3			3	3					3			3			3																													
	PED SIG 28, POLE 3			2	2					2			2			2																													
	PED SIG 29, POLE 4						2			2			2			2																													
	VEH SIG 62, POLE 5							3		3			3			3																													
	VEH SIG 81, POLE 5							3		3			3			3																													
	VEH SIG 25, POLE 6								3	3			3			3																													
	VEH SIG 83, POLE 6								3	3			3			3																													
	PED SIG 48, POLE 7										E			E	2	2	E	E	2	E	E																								
	PED SIG 58, POLE 9																						2																						
	PED SIG 39, POLE 9																						2																						
	PED SIG 69, POLE 10																							2																					
	VEH SIG 22, POLE 11																							3																					
	VEH SIG 41, POLE 11																							3																					
	PED SIG 88, POLE 12																								2																				
VEH SIG 42, POLE 13																																													
VEH SIG 87, POLE 13																																													
VEH SIG 86, POLE 13																																													
PED SIG 59, POLE 14																																													
VEH SIG 45, POLE 15																																													
VEH SIG 84, POLE 15																																													
PED SIG 38, POLE 15																																													
PED SIG 68, POLE 16																																													
VEH SIG 61, POLE 17																																													
VEH SIG 64, POLE 17																																													
PED SIG 49, POLE 18																																													
#14 NEUTRAL	1	1	2			1	2	2			1																																		
#14 SPARE				3				6			9			9									3																						
TOTAL #14 AWG WIRES	3	7	7	16		3	8	8	33		3	39		36								7		3	8	3	13	11	3	34		11	3	8	3	34	21								
TOTAL #10 AWG WIRES, NEUTRAL				1				2			3			3								1					1			3							3	1							
TOTAL #8 AWG WIRES, I/C SERVICE																																													
TOTAL BELDEN #8489 CABLE	2		2		2						2											2	2		2	2		2		2	2	2													
TOTAL 12/C INTERCONNECT CABLE																																													
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

- NOTES:
- SEE ET-108 FOR TRAFFIC SIGNAL MODIFICATION WORK AT ELLIS, STOCKTON, MARKET & FOURTH STREET INTERSECTION.
 - ALL (N) CONDUIT SHALL BE SIZED AS NOTED AND PVC MATERIAL UON.
 - F/I GROUND WIRE IN ALL CONDUITS PER GROUNDING LAYOUT DETAIL ON ET-201.
 - F/I 3/8" PULL TAPE IN ALL SPARE CONDUITS AND IN ALL CONDUITS CONTAINING FIELD WIRES WHICH CROSS A STREET.
 - F/I BELDEN #8489 CABLE BETWEEN THE FOLLOWING SIGNALS AND PROVIDE CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS:
 - APS UNIT & PED SIGNAL 89 ON POLE 1
 - APS UNIT & PED SIGNAL 28 ON POLE 3
 - APS UNIT & PED SIGNAL 29 ON POLE 4
 - APS UNIT & PED SIGNAL 48 ON POLE 7
 - APS UNIT ON POLE 9A & PED SIGNAL 39 ON POLE 9
 - ASP UNIT & PED SIGNAL 58 ON POLE 9
 - APS UNIT & PED SIGNAL 69 ON POLE 10
 - APS UNIT & PED SIGNAL 88 ON POLE 12
 - APS UNIT & PED SIGNAL 59 ON POLE 14
 - APS UNIT & PED SIGNAL 39 ON POLE 15
 - APS UNIT & PED SIGNAL 68 ON POLE 16
 - APS UNIT & PED SIGNAL 49 ON POLE 18
 - SEE OV-SERIES PLANS FOR TROLLEY POLE WORK.
 - SEE SL-SERIES PLANS FOR STREETLIGHT POLE WORK.
 - MODIFY (E) MAST ARM TO ACCOMMODATE 3-S12" VEHICULAR SIGNAL.

Garth Hui/Kt Rjt 11/15/18

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3/27/2018 02/15/2012		DATE		DESCRIPTION		QA	REV	BY	CHECKED	APPROVED	DESIGNED W. SENG DRAWN W. SENG CHECKED S. PONG REVIEWED D. YAVORSKY RECOMMENDED A. READ APPROVED R. EDWARDS DATE 02/15/2012		 CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED DIRECTOR OF TRANSPORTATION		THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY UNION SQUARE/MARKET STREET STATION TRAFFIC SIGNALS ELLIS, STOCKTON, MARKET, AND 4TH CONDUIT AND WIRING SCHEDULE		CONTRACT NO. 1253 SFMTA CONTROL NO. CL-19231 DRAWING NO. ET-109 SHEET NO. 1	
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POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE/ VOLTAGE/ WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
1	1-A (7')							89	1S-COUNT	TP-1-T	
2	MUNI		24	3S8"	SP	FC 8"					
3	1-A (10')		47	3S12" PV	TV-1-T	T		28	1S-COUNT	SP-1	47 Bagged
4	1-A (7')							29	1S-COUNT	TP-1-T	
5	MUNI		81 62	3S12" 3S12"	SV-1-T SV-1-T	T T	Right				Backplate on 62
6	MUNI		83 25	3S12" 3S8"	SV-1 SP	T FC 8"					
7	1-A (7')							48	1S-COUNT	TP-1-T	
8	ORNAMENTAL STREET LIGHT										removed
9	1-A (7')							39 58	1S-COUNT 1S-COUNT	TP-2-T	
9A	PED PUSH BUTTON POLE										
10	1-A (7')							69	1S-COUNT	TP-1-T	
11	MAST ARM POLE		22 41	3S8" 3S12"	SP SV-1	FC 8" T	Right				41 bagged
12	1-A (7')							88	1S-COUNT	TP-1-T	
13	MUNI		42 88	3S12" 3S12"	SV-2-T	T T			1S-COUNT	SP-1	ALL bagged; Backplate on 86
14	1-A (10')		86	3S12"	TV-1-T	T		59	1S-COUNT	SP-1	
15	MUNI with 20' MAST ARM		45 84	3S12" 3S12"	SV-1-T MAS	T T		38	1S-COUNT	SP-1	45 bagged; backplate on 84
16	1-A (7')							68	1S-COUNT	TP-1-T	
17	MUNI with 8' MAST ARM		61 64	3S12" 3S12"	SV-1-T MAS	T T					backplate on 61 & 64
18	1-A (7')							49	1S-COUNT	TP-1-T	