

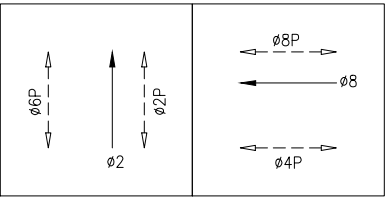
NOTE:  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED  
SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND  
SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING  
PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE  
SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES  
ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED  
UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE  
TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER  
OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO  
PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN  
VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.  
CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

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	EX MARBELITE STREET LIGHT							68	1S-COUNT <div>1</div>	SP-1	
②	1-A (13')		82	3S12"	TV-1-T	T		49	1S-COUNT <div>1</div>	SP-1	
③	EX MUNI POLE WITH 6' LA		81	3S12"	SV-1-T(20") <div>1</div>	T		88	1S-COUNT <div>1</div>	SP-1	MOUNT SIGNAL 81 AT 13' ON WEST SIDE OF POLE
④	16-2-100 WITH 20' MAST ARM		22 24	3S12" 3S12"	SV-1-T MAS	T T		69	1S-COUNT <div>1</div>	SP-1	BACKPLATE
⑤	EX MARBELITE STREET LIGHT		21	3S12"	SV-1-T	T		28 89	1S-COUNT 1S-COUNT <div>1</div>	SP-1 (22") SP-1-SF (12")	
⑥	EX MARBELITE STREET LIGHT		86	3S12"	SV-1-T	T		48	1S-COUNT <div>1</div>	SP-1	
⑦	1-A (7')							29	1S-COUNT <div>1</div>	TP-1	

SHEET NOTES

- ① CONTRACTOR TO INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN COUNTDOWN SIGNAL MODULE IN CONTRACTOR FURNISHED ONE SECTION PEDESTRIAN SIGNAL HOUSING.
- ② REMOVE EXISTING CABLES IN EXISTING CONDUITS EXCEPT SERVICES TO STREETLIGHTS AND INTERCONNECT. PRIOR TO REMOVING EXISTING CABLES IN EXISTING CONDUITS, CONTRACTOR TO FIELD VERIFY AND MAINTAIN SERVICES TO EXISTING STREETLIGHTS AND INTERCONNECT.
- ③ ABANDON EXISTING CONDUIT AND WIRING. CUT EXISTING CONDUIT AND WIRING TO PULLBOX WALL AND CAP ENDS. PRIOR TO ABANDONING OF EXISTING CABLES IN EXISTING CONDUIT, CONTRACTOR TO FIELD VERIFY AND MAINTAIN SERVICES TO STREETLIGHTS AND TRAFFIC CONTROLLER.
- ④ BRING NEW CONDUITS INTO EXISTING PULL BOX. CONTRACTOR SHALL BE CAREFUL TO AVOID DAMAGE TO EXISTING PULL BOX.
- ⑤ CONTROLLER SERVICE POINT IS A PG&E SECONDARY BOX LOCATED AT THE SOUTHEAST CORNER OF THIS INTERSECTION. CONTRACTOR TO COORDINATE WITH PG&E THROUGH SFPUC FOR SIGNAL POWER SERVICE CONNECTION.
- ⑥ CONTRACTOR SHALL PROVIDE 40A INLINE FUSE AND FUSE HOLDER FOR TRAFFIC SIGNAL SERVICE DISCONNECT IN THE FIRST PULL BOX NEXT TO THE PG&E SERVICE POINT.
- ⑦ CONTRACTOR SHALL COORDINATE WITH PG&E THROUGH SFPUC FOR DEACTIVATION OF SERVICE CONNECTION WORK TO BE COMPLETED AFTER ACTIVATION OF NEW SERVICE POINT. TEN WORKING DAY'S NOTICE IS REQUIRED.

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	FRANKLIN ST. (NB) - Ø2
R	G	Y R	SACRAMENTO ST. (WB) - Ø8
W	FRH	RH	PEDS XING SACRAMENTO ST. (ES & WS) - Ø2P & Ø6P
RH	W	FRH RH	PEDS XING FRANKLIN ST. (SS & NS) - Ø4P & Ø8P

SWITCHED OVER 7/21/2016  
DARK @ 9:25 AM, 3-COLOR AT 10:50 AM  
J. HORNOSTEL (MTA); J. TOM (SFPW)  
J. AFFOLTER, S. BUSS (Signal Shop)

REVISED SIGNAL 81 MOUNTING TO SV-1-T(20")  
FINAL INSPECTION 4/20/2017 - J. HORNOSTEL

NO.	DATE	DESCRIPTION	BY	APP.
1	10/2016	REVISED SIGNAL 81 MOUNTING TO SV-1-T(20")	JH	GD
TABLE OF REVISIONS				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



INFRASTRUCTURE DIVISION  
SAN FRANCISCO PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: JH/WC 3/05/2015  
DRAWN: DATE: SS/WC 3/05/2015  
CHECKED: DATE: STL/NW 3/05/2015

APPROVED  
SECTION MANAGER DATE:  
DEPUTY DIVISION MANAGER DATE:  
DIVISION MANAGER DATE:

SCALE:  
AS SHOWN  
SHEET OF SHEETS  
40 OF 73

FRANKLIN AND DIVISADERO STREET  
TRAFFIC SIGNAL UPGRADE  
FRANKLIN STREET AND SACRAMENTO STREET  
TRAFFIC SIGNAL WORK

CONTRACT NO. 2596J  
DRAWING NO. E-17.0  
FILE NO. 100,829  
REV. NO. 1

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)																												
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19								
CONDUIT SIZE (INCH)		UNK	UNK	2	2	UNK	2	UNK	2	UNK	2	UNK	UNK	2	2	2	UNK	UNK	2	3								
		EX	EX			EX		EX		EX		EX	EX	SP	SP	SP		SP										
NOTES																												
	VEHICLE SIGNAL 22	3		3			3						3															
	VEHICLE SIGNAL 24	3		3			3						3															
	PED SIGNAL 69	2		2			2						2															
	VEHICLE SIGNAL 81		3	3			3						3															
	PED SIGNAL 88		2	2			2						2															
	VEHICLE SIGNAL 82				3		3						3															
	PED SIGNAL 49				2		2						2															
	PED SIGNAL 68					2	2						2															
	VEHICLE SIGNAL 21							3	3				3															
	PED SIGNAL 28							2	2				2															
	PED SIGNAL 89							2	2				2															
	VEHICLE SIGNAL 86										3		3															
	PED SIGNAL 48										2		2															
	PED SIGNAL 29										2		2															
	#14 NEUTRAL	3	2		2	1		3			2	1																
	#14 SPARE			3			3		3				3	3														
	TOTAL #14 WIRES	11	7	16	7	3	23	10	10	7	3	17	23															
	#10 WIRES NEUTRAL			1			2		1				2	2														
	#10 WIRES STREET LIGHT																											
	#8 WIRES STREET LIGHT																											
	#8 WIRES (120 V SERVICE)																											

[illegible]

REGISTERED PROFESSIONAL ENGINEER  
STEVEN T. LEE  
NO. E15417  
ELECTRICAL  
STATE OF CALIFORNIA

APPROVED	
<i>[Signature]</i>	3/10/15
SECTION MANAGER	DATE:
<i>[Signature]</i>	3/20/15
DEPUTY DIVISION MANAGER	DATE:
<i>[Signature]</i>	3/23/15
DIVISION MANAGER	DATE:

FRANKLIN AND DIVISADERO STREET TRAFFIC SIGNAL UPGRADE
FRANKLIN STREET AND SACRAMENTO STREET CONDUIT & WIRING SCHEDULE

CONTRACT NO.	2596J
DRAWING NO.	E-17.1
FILE NO.	100,830
REV. NO.	

