

NEW SIGNALS ACTIVATED 10/7/2016 @ 4:00 PM  
L. LIMBO (SFPW)

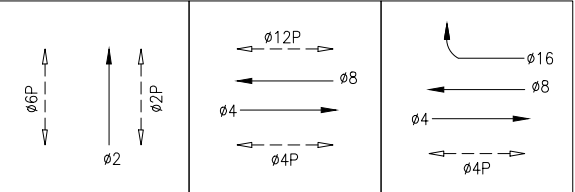
NOTE:  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED  
SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND  
SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING  
PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE  
SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES  
ONLY AS CLEARLY MARKED ON THIS DRAWING 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VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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 POLE WITH 8' MAST ARM AND 6' LA		24	3S12"	MAS	T					BACKPLATE
②	MARBELITE (10')		21 42	3S12" 3S12"	TV-2-T	T T		28 89	1S-COUNT 1S-COUNT	SP-2-T	APS-4W ③
③	PPBP										APS-4W ③
④	EX MARBELITE STREET LIGHT		41	3S12"	SV-1-T	T		48	1S-COUNT ⑤	SP-1	APS-4W ③
⑤	1-A (7')							29	1S-COUNT ⑤	TP-1	APS-4W ③
⑥	EX MUNI POLE WITH 6' LA							68	1S-COUNT ⑤	SP-1	APS-4W ③
⑦	1-A (10')		82 45	4S12"GRA 3S12"	TV-2-T	T T		49	1S-COUNT ⑤	SP-1	APS-4W ③
⑧	17-2-100 WITH 8' MA AND 6' LA	150W	81 84 ⑧	4S12"GRA 4S12"GRA	SV-1-T MAS	T T		88	1S-COUNT ⑤	SP-1	APS-4W ③ BACKPLATE
⑨	16-2-100 W/20' MAST ARM		22 27	3S12" 3S12"	SV-1-T MAS	T T		69	1S-COUNT ⑤	SP-1	APS-4W ③ BACKPLATE

SHEET NOTES

- ① PULL BACK WIRES FOR EXISTING TRAFFIC SIGNALS AND STREET LIGHT TO BE REMOVED, IF APPLICABLE, TO PULL BOX. RE-PULL EXISTING TRAFFIC SIGNAL WIRING TO NEW TRAFFIC SIGNALS USING NEW CONDUITS.
- ② REMOVE EXISTING SIGNAL HEADS; RECONNECT EXISTING WIRES TO NEW TRAFFIC SIGNALS.
- ③ CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE AND APS WIRING AS NECESSARY.
- ④ 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.
- ⑤ CONTRACTOR TO INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN COUNTDOWN SIGNAL MODULE IN CONTRACTOR FURNISHED ONE SECTION PEDESTRIAN SIGNAL HOUSING.
- ⑥ LOWER EXISTING CONDUITS TO PROPER DEPTH PRIOR TO INSTALLATION OF NEW PULL BOX.
- ⑦ SPLICE NEW #14 NEUTRAL TO EXISTING #10 NEUTRAL IN PULL BOX.
- ⑧ CONTRACTOR TO MOUNT SIGNAL 84 BETWEEN YELLOW AND GREEN SIGNAL.
- ⑨ CONTROLLER SERVICE POINT IS A PG&E SERVICE ENCLOSURE LOCATED 150' EAST OF THE SOUTHEAST CORNER OF FRANKLIN AND HAYES STREETS PROPERTY LINE. CONTRACTOR TO COORDINATE WITH PG&E THROUGH SFPUC FOR ACTIVATION OF SERVICE POINT.
- ⑩ CONTRACTOR SHALL PROVIDE 40A INLINE FUSE AND FUSE HOLDER FOR TRAFFIC SIGNAL SERVICE DISCONNECT IN FIRST PULL BOX NEXT TO THE NEW PG&E SERVICE POINT.
- ⑪ 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	HAYES ST. (EB & WB) – Ø4 & Ø8
OFF				$\bar{G}$	OFF		HAYES ST. (WB RT) – Ø16
W	FRH	RH				PEDS XING HAYES ST. (ES & WS) – Ø2P & Ø6P	
RH			W	FRH	RH		PEDS XING FRANKLIN ST. (SS) – Ø4P
RH			W	FRH	RH		PEDS XING FRANKLIN ST. (NS) – Ø12P

GENERAL NOTES

1. CONTRACTOR TO REFER TO DRAWING G-0.4, GENERAL NOTE 15, 36, 44, 45, 46 FOR ADDITIONAL INFORMATION.

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  
12 OF 73

FRANKLIN AND DIVISADERO STREET  
TRAFFIC SIGNAL UPGRADE

FRANKLIN STREET AND HAYES STREET  
TRAFFIC SIGNAL WORK

CONTRACT NO. 2596J  
DRAWING NO. E-3.0  
FILE NO. 100,801  
REV. NO. 2

NO.	DATE	DESCRIPTION	BY	APP.
②	6/2016	POLE 8 RELOCATED TO WING OF CURB RAMP	JH	GD
①	11/2015	REVISED PG&E SERVICE TO MH#5042	JH	MV
TABLE OF REVISIONS				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



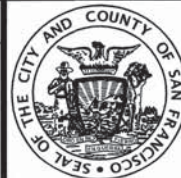
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- 1 FOR SIGNALS 49 PULL EXISTING WIRING FROM POLE 6 TO POLE 7.
- 2 FOR SIGNAL 68, USE EXISTING WIRING IN POLE 6.
- 3 FOR SIGNAL 29, PULL EXISTING WIRING FROM POLE 6 TO POLE 5.
- 4 FOR SIGNAL 48, USE EXISTING WIRING IN POLE 4.
- 5 NOT USED.
- 6 FOR SIGNALS 81 & 88, PULL EXISTING WIRING FROM EXISTING POLE TO BE REMOVED TO POLE 8.
- 7 FOR SIGNAL 22, USE EXISTING WIRING IN POLE 9.
- 8 FOR SIGNALS 69, PULL EXISTING WIRING FROM POLE ABOUT TO BE REMOVED TO POLE 9.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



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



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

APPROVED	
5 <i>[Signature]</i> 3/10/15	SECTION MANAGER DATE:
5 <i>[Signature]</i> 3/24/15	DEPUTY DIVISION MANAGER DATE:
5 <i>[Signature]</i> 3/23/15	DIVISION MANAGER DATE:

SCALE:  
**NONE**

SHEET OF SHEETS  
**13 OF 73**

FRANKLIN AND DIVISADERO STREET  
TRAFFIC SIGNAL UPGRADE

## FRANKLIN STREET AND HAYES STREET CONDUIT & WIRING SCHEDULE

CONTRACT NO.	2596J
DRAWING NO.	E-3.1
FILE NO.	100,802
REV. NO.	

