

**SWITCHED OVER 6/9/2016 @ 9:29 AM**  
**A. SCALES (MTA); J. TOM (SFPW)**  
**S. BUSS, L. WONG (Signal Shop)**

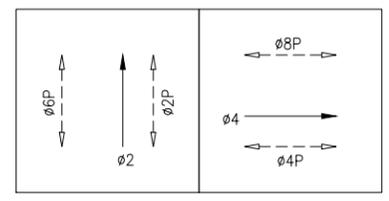
NOTE:  
 THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND 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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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		21	3S12"	SV-1-T	FC			<b>28</b>	<b>1S-COUNT</b> ③	<b>SP-1</b>	
②	MARBELITE (10')		42	3S12"	TV-1-T	T			<b>89</b>	<b>1S-COUNT</b> ③	<b>SP-1</b>	
③	<b>17-2-100 WITH 20' MAST ARM AND 6' LA</b>	<b>150W</b>	<b>41</b> <b>44</b>	<b>3S12"</b> <b>3S12"</b>	<b>SV-1-T</b> <b>MAS</b>	<b>T</b> <b>T</b>			<b>48</b>	<b>1S-COUNT</b> ③	<b>SP-1</b>	<b>BACKPLATE</b>
④	<b>CITY STANDARD STREETLIGHT</b>	<b>150W</b>							<b>29</b>	<b>1S-COUNT</b> ③	<b>SP-1</b>	
⑤	1-A (7')								<b>68</b>	<b>1S-COUNT</b> ③	<b>TP-1</b>	
⑥	1-A (7')								<b>49</b>	<b>1S-COUNT</b> ③	<b>TP-1</b>	
⑦	EX MARBELITE STREET LIGHT								88	1S-COUNT	SP-1	
⑧	<b>16-2-100 WITH 20' MAST ARM</b>		<b>22</b> <b>24</b>	<b>3S12"</b> <b>3S12"</b>	<b>SV-1-T</b> <b>MAS</b>	<b>T</b> <b>T</b>			<b>69</b>	<b>1S-COUNT</b> ③	<b>SP-1</b>	<b>BACKPLATE</b>

**SHEET NOTES**

- ① REMOVE EXISTING CABLES EXCEPT SERVICES TO STREETLIGHTS AND INTERCONNECT CABLES WHERE APPLICABLE. PRIOR TO REMOVAL OF EXISTING CABLES IN EXISTING CONDUIT, CONTRACTOR TO FIELD VERIFY AND MAINTAIN EXISTING SERVICES TO STREETLIGHTS AND INTERCONNECT.
- ② FOR TREE PRUNING AT THE NW CORNER, CONTACT SAN FRANCISCO PUBLIC WORKS BUREAU OF URBAN FORESTRY AT (415) 554-6700.
- ③ CONTRACTOR TO INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN COUNTDOWN SIGNAL MODULE IN CONTRACTOR FURNISHED ONE SECTION PEDESTRIAN SIGNAL HOUSING.
- ④ AFTER ACTIVATION OF NEW LUMINAIRE ON POLE 3, DISCONNECT POWER TO EXISTING STREETLIGHT AT SOUTH EAST CORNER. MAINTAIN SERVICE TO ALL OTHER STREETLIGHTS ON EXISTING STREETLIGHT CIRCUIT.
- ⑤ SPLICE NEW STREETLIGHT WIRING TO EXISTING STREETLIGHT WIRING TO MAINTAIN STREETLIGHT CIRCUIT.
- ⑥ 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.
- ⑦ BRING NEW CONDUITS INTO EXISTING PULL BOX. CONTRACTOR SHALL BE CAREFUL TO AVOID DAMAGE TO EXISTING PULL BOX.
- ⑧ CONTRACTOR TO R/S STREETLIGHT POLE AND DELIVER TO PUC YARD. CONTRACTOR TO R/C LUMINAIRE.
- ⑨ CONTROLLER SERVICE POINT IS A PG&E SECONDARY BOX LOCATED 90' WEST OF THE NORTHWEST CORNER OF FRANKLIN STREET AND GOLDEN GATE AVENUE PROPERTY LINE. CONTRACTOR TO COORDINATE WITH PG&E THROUGH SFPUC FOR FINAL POWER SERVICE CONNECTION.
- ⑩ CONTRACTOR SHALL PROVIDE 40A INLINE FUSE AND FUSE HOLDER IN FIRST PULL BOX NEXT TO THE 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	GOLDEN GATE AVE. (EB) - ø4
W	FRH	RH	PEDS XING GOLDEN GATE AVE. (ES & WS) - ø2P & ø6P
RH	W	FRH RH	PEDS XING FRANKLIN ST. (SS & NS) - ø4P & ø8P

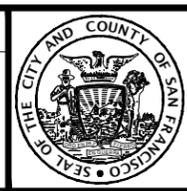
**GENERAL NOTES**

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

NO.	DATE	DESCRIPTION	BY	APP.
1	6/2016	NEW CONDUIT #28	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: 3/05/2015  
 JH/WC  
 DRAWN: DATE: 3/05/2015  
 SS/WC  
 CHECKED: DATE: 3/05/2015  
 STL/NW

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

SCALE: AS SHOWN SHEET OF SHEETS 20 OF 73

**FRANKLIN AND DIVISADERO STREET TRAFFIC SIGNAL UPGRADE**  
**FRANKLIN STREET AND GOLDEN GATE AVENUE TRAFFIC SIGNAL WORK**

CONTRACT NO. 2596J  
 DRAWING NO. E-7.0  
 FILE NO. 100,809  
 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	20	21	22	23	24
CONDUIT SIZE (INCH)	UNK	UNK	2	2	2	2	2	UNK	2	2	2	UNK	UNK	2	UNK	2	2	2	2	2	2	2	3	2
NOTES	EX	EX	EX	GRS	GRS	GRS	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	SP	SP					
VEHICLE SIGNAL 21	3		3				3																	3
PED SIGNAL 28	2		2				2																	2
VEHICLE SIGNAL 42		3	3				3																	3
PED SIGNAL 89		2	2				2																	2
VEHICLE SIGNAL 41				3			3																	3
VEHICLE SIGNAL 44				3			3																	3
PED SIGNAL 48				2			2																	2
PED SIGNAL 29					2	2	2																	2
PED SIGNAL 88								2	2		2					2								2
VEHICLE SIGNAL 22											3	3				3								3
VEHICLE SIGNAL 24											3	3				3								3
PED SIGNAL 69											2	2				2								2
PED SIGNAL 49												2	2			2								2
PED SIGNAL 68														2	2									2
#14 NEUTRAL	2	2		3	1	1		1	1	3		1	1	1										3
#14 SPARE			3			3	3			3	3					3								3
TOTAL #14 WIRES	7	7	13	11	3	6	23	3	6	11	13	3	3	3	17									23
#10 WIRES NEUTRAL			1				2				1				2									2
#10 WIRES STREET LIGHT																								
#8 WIRES STREET LIGHT				2	2																			
#8 WIRES (120 V SERVICE)						2													2	2	2	2		

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.

NO.	DATE	DESCRIPTION	BY	APP.
1	6/2016	NEW CONDUIT #28	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:  
 NONE  
 SHEET OF SHEETS  
 21 OF 73

FRANKLIN AND DIVISADERO STREET  
 TRAFFIC SIGNAL UPGRADE  
 FRANKLIN STREET AND GOLDEN GATE AVENUE  
 CONDUIT & WIRING SCHEDULE

CONTRACT NO. 2596J  
 DRAWING NO. E-7.1  
 FILE NO. 100,810  
 REV. NO. 1