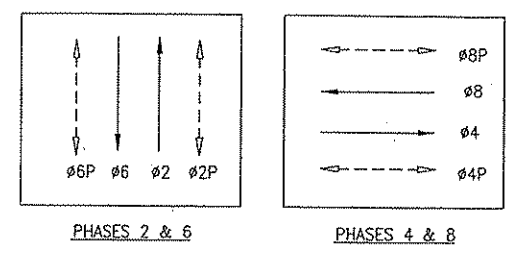


PHASE DIAGRAM:



PHASE SEQUENCE:

G	Y	R	WEBSTER STREET
R	G	Y	GROVE STREET
RH	WM	FRH	PED XING WEBSTER STREET
WM	FRH	RH	PED XING GROVE STREET

DETAIL NOTES:

- Ⓐ EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- Ⓐ EX CONDUIT & WIRING. R/C EX WIRING CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH. CAP OR DUCT SEAL ENDS.
- Ⓐ EX CONDUIT & WIRING, EX SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- Ⓑ SPLICE NEW WIRING TO EXISTING SL WIRING TO MAINTAIN SL CIRCUIT.
- Ⓑ SPLICE NEW WIRING TO MAINTAIN EX SL CIRCUITS.
- Ⓒ INTERCEPT EX CONDUIT AND EXTEND TO NEW LOCATION AS SHOWN. WITHDRAW EX WIRING TO NEAREST SPLICE POINT. AFTER CONDUIT MODIFICATION, F/I NEW WIRING AS SHOWN. SPLICE AT NEAREST SPLICE POINT.
- Ⓓ CHIP EXISTING FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- Ⓔ R/C EX PULL BOX. REPAIR SIDEWALK TO MATCH EX.
- Ⓙ F/I GUARD POST PER SPDPSF FILE #LA-021.
- Ⓛ F/I IN-LINE FUSE HOLDER W/40A FUSE FOR IC SERVICE. F/I NEW WIRING AS NOTED. F/I GROUND ROD.

SHEET NOTES:

- 1 NOT USED.
- 2 LOCATE PULL BOX APPROXIMATELY MIDWAY ALONG CONDUIT RUN.

- Change Signal 21 to 12" heads (new framework)
- Install new Signal 26 on Pole (C)
- Remove Signal 26 from Pole (S)

Relocated
 3/1/08 Remove 26, converted 21 to 12" MS/TY

NO. 11/03 AS BUILT DATE DESCRIPTION BY APP.		REFERENCE INFORMATION & FILE NO. OF SURVEYS		DEPARTMENT OF PARKING AND TRAFFIC DIVISION OF TRAFFIC ENGINEERING CITY AND COUNTY OF SAN FRANCISCO		DESIGNED: DATE: TP/BD 4/01 DRAWN: DATE: JE 4/01 CHECKED: DATE: STL 4/01		APPROVED: DATE: _____ SECTION MANAGER: DATE: _____ CITY ENGINEER: DATE: _____		SCALE: 1" = 20' SHEET OF SHEETS 13 OF 32		CONTRACT 52-53 NEW TRAFFIC SIGNAL GROVE ST & WEBSTER ST		SPECIFICATION NO. 0088J DRAWING NO. E-4.0 FILE NO. 75,967 REV. NO. 1	
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CONDUIT AND WIRING SCHEDULE																														
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	
CONDUIT SIZE (INCH)	2	2		2	2	2		2	2		2	2	2	2	2	3	2	3	2	1.5	2		2	2	2	2	2	2	2	
NOTES			EX				EX									P	P	P	P	S	P	NOT USED				Q	Q3	Q3		
WIRING (F/I)	#14 WIRES																													
	SIGNAL 26	3	3	3		3												3												
	SIGNAL 63					3												3												
	SIGNAL 61			3		3												3												
	SIGNAL 68			2		2												2												
	SIGNAL 82				3	3												3												
	SIGNAL 49				2	2												2												
	SIGNAL 62						3		3			3		3			3													
	SIGNAL 29					2			2			2		2			2													
	SIGNAL 41							3	3			3		3			3													
	SIGNAL 48						2	2				2		2			2													
	SIGNAL 42									3							3							3	3					
	SIGNAL 89									2							2							2	2					
	SIGNAL 21										3						3							2	2					
	SIGNAL 28									2							2							2	2					
	SIGNAL 23												3				3								3					
	SIGNAL 22														3			3												
	SIGNAL 69														2			2												
	SIGNAL 81																3	3												
	SIGNAL 88																2	2												
	#14 WIRES (NEUTRAL)	1		3	2		2	2		2	2		1		2	2														
	#14 WIRES (SPARE)		3			3			3			3		3			3		3											
	TOTAL #14 WIRES	4	6	5	7	19	7	7	13	7	7	13	4	13	7	7	36		19					10	13					
	#10 WIRES (NEUTRAL)		1			1			1			1		1			3		1					1	1					
	#8 WIRES (120V SERVICE)																	2			2									
#8 WIRES STREET LIGHT																												2	2	
#6 WIRES STREET LIGHT																2														
DLW								2		2																				
DLC																														
1/4" PULL ROPE		1			1			1			1		1						1		1		1	1						
#6 BSCW																	1			1										
12-CONDUCTOR CABLE																									1	1	1			
#10 GREEN SCGW																									1	1	1			

POLE AND EQUIPMENT SCHEDULE												VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING										
①	EX SL		21	388" 3512"	SV-1-T	TUNNEL		28	1S-IN	SP-1										
②	1 - A (10')		42	3S8"	TV-1	TUNNEL		89	1S-IN	SP-1										
③	EX SL		41	3S8"	SV-1-T	TUNNEL		48	1S-IN	SP-1										
④	1 - A (10')		62	3S8"	TV-1	TUNNEL		29	1S-IN	SP-1										
⑤	1 - A (10')		63 28	388" 368"	TV-1-T 1	TUNNEL														
⑥	EX SL		61 26	388" 358"	SV-1-T 2	TUNNEL		68	1S-IN	SP-1										
⑦	1 - A (10')		82	3S8"	TV-1	TUNNEL		49	1S-IN	SP-1										
⑧	CITY STANDARD STREET LIGHT B2	120/240V 200W	81	3S8"	SV-1-T	TUNNEL		88	1S-IN	SP-1										
⑨	1 - A (10')		22	3S8"	TV-1	TUNNEL		69	1S-IN	SP-1										
⑩	1 - A (10')		23	3S8"	TV-1															

DETAIL NOTES:

- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL.
F/I FUSE AND FUSE HOLDERS PER SPDPWSF FILE 49,092.
- P F/I PVC CONDUIT SCHEDULE 80.
- Q F/I 4-2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.
- Q3 F/I 2 - 2" PVC SCHEDULE 80 CONDUIT WITH 3/8" NYLON PULL TAPE IN EACH CONDUIT.
- S COORDINATE WITH PG&E

NO.	DATE	DESCRIPTION	BY	APP.
11/03	AS BUILT			
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED:	DATE:	APPROVED:
TP/BD	4/01	
DRAWN:	DATE:	SECTION MANAGER
JE	4/01	
CHECKED:	DATE:	
STL	4/01	
		CITY ENGINEER

SCALE:
NONE
SHEET OF SHEETS
14 OF 32

AS BUILT DRAWING APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.	
CONTRACT 52-53 NEW TRAFFIC SIGNAL	SPECIFICATION NO. 0088J
GROVE ST & WEBSTER ST SCHEDULE	DRAWING NO. E-4.1
	FILE NO. 75,968
	REV. NO. 1