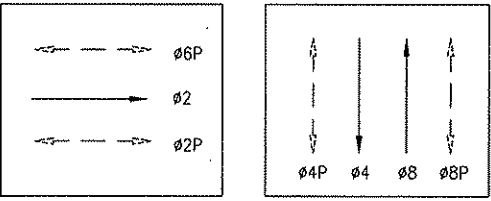


**DETAIL NOTES:**

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN.
- A4 R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
- H DTIS SHALL RELOCATE FIRE/POLICE ALARM PULL STATION. CONTRACTOR SHALL COORDINATE WITH TERRY ELISIA OF DTIS (TEL#415-550-2723) 10 DAYS BEFORE COMMENCEMENT OF WORK AT THE CORNER.

- I EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- L5 CONTRACTOR SHALL COORDINATE WITH WALLY SUN OF HETCH HETCHY AT (415) 554-1873 TO DISCONNECT EX PG&E IC SERVICE WIRING. R/C EXISTING WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
- L6 F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE.
- L7 COORDINATE WITH PG&E VIA WALLY SUN OF HETCH HETCHY AT (415) 554-1873 FOR CONNECTION WORK.

**PHASE DIAGRAM:**



PHASES 2, 2P & 6P      PHASES 4, 8, 4P & 8P

**NEW SERVICE POINT ACTIVATED**  
ON 11/27/08

**POLE AND EQUIPMENT SCHEDULE**

POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOLTAGE/ WATTS	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	EX. SL		81	3S8"	SV-1-T	T		88	1S-COUNT	SP-1	
②	16-1-70 20' MASTARM		24 22	3S12" 3S8"	MAS SV-1-T	T T		69	1S-COUNT	SP-1	BACKPLATE
③	EX. SL		21	3S8"	SV-1-T	T		28	1S-COUNT	SP-1	
④	1-A (10')		42	3S8"	TV-1	T		89	1S-COUNT	SP-1	
⑤	EX. SL		41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	
⑥	1-A (7')							29	1S-COUNT	SP-1	
⑦	EX. SL							68	1S-COUNT	SP-1	
⑧	1-A (10')		82	3S8"	TV-1	T		49	1S-COUNT	SP-1	

**SWITCH OVER: 2-11-04 @ 9:30 AM (3 COLOR)**

**PHASE SEQUENCE:**

G	Y	R		BUSH ST.
R		G	Y	STEINER ST
RH		WM	FRH	PED XING BUSH ST
WM	FRH	RH		PED XING STEINER ST.

**NOTE:**  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTED 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.
10/02	PCO-1: NEW SERVICE	TP	BC	
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**BUREAU OF ENGINEERING**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED
GD/LS/TP 3/02	SECTION MANAGER DATE:
DRAWN: DATE:	DIVISION MANAGER DATE:
JN/JS 3/02	CITY ENGINEER DATE:
CHECKED: DATE:	
DSB/STL 3/02	

SCALE:	1" = 10'
SHEET OF SHEETS	21 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE	
BUSH ST AND STEINER ST	

SPECIFICATION NO.	0286J
DRAWING NO.	E-8.0
FILE NO.	78213
REV. NO.	1

EXTERNAL REFERENCES: 1034-22.dwg  
DATE: Feb 15, 2007 15:12  
ORIGIN: Sale & Tax

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	
CONDUIT SIZE (INCH)	2		2	2		2		3	2		2	2	3	2	2	2	3	3	2	2	2	2	2	
CONDUIT SIZE (mm)	53		53	53		53		77	53		53	53	77	53	53	53	77	77	53	53	53	53	53	
NOTES		EX			EX		EX			EX					SP	SP	SP							
VEH. SIGNAL 42	3		3			3		3																
PED. SIGNAL 89	2		2			2		2																
VEH. SIGNAL 21		3	3			3		3																
PED. SIGNAL 28		2	2			2		2																
PED. SIGNAL 29				2		2		2																
VEH. SIGNAL 41					3	3		3																
PED. SIGNAL 48					2	2		2																
PED. SIGNAL 68							2	2																
VEH. SIGNAL 22									3		3		3											
VEH. SIGNAL 24									3		3		3											
PED. SIGNAL 69									2		2		2											
VEH. SIGNAL 81										3	3		3											
PED. SIGNAL 88										2	2		2											
PED. SIGNAL 49												2	2											
VEH. SIGNAL 82												3	3											
#14 NEUTRAL	2	2		1	2		1		3	2		2												
#14 SPARE			3			3		3		3		3		3										
TOTAL #14 WIRES	7	7	13	3	7	20	3	22	11	7	16	7	21											
#10 WIRES NEUTRAL			1			2		2			1		1											
#10 WIRES STREET LIGHT																								
#8 WIRES STREET LIGHT																								
#8 WIRES (120 V SERVICE)																								
#6 BSCW																								
INTERCONNECT 12 C CABLE																								
DLW (DETECTOR LOOP WIRE)																								
DLC (DETECTOR LED-IN-CABLE)																								
PRE-EMPTION																								

NOTE:  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTED 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.
10/02	PCO-1: NEW SERVICE	TP	BC	
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**BUREAU OF ENGINEERING**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:  
LS/TP 3/02  
DRAWN: DATE:  
LS 3/02  
CHECKED: DATE:  
DSB/STL 3/02

APPROVED  
SECTION MANAGER DATE:  
DIVISION MANAGER DATE:  
CITY ENGINEER DATE:

SCALE:  
NONE  
SHEET OF SHEETS  
22 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE  
BUSH ST AND STEINER ST SCHEDULE

SPECIFICATION NO.  
0286J  
DRAWING NO.  
E-8.1  
FILE NO.  
78214  
REV. NO.  
1

FILE NAME: 0286J.E08.1.dwg  
DATE: Feb 15 2002 15:14  
EXTERNAL REFERENCES: b33x22.dwg  
FONTS USED: objo...;trf dutchb.ttf  
SCALE FACTOR: 1  
PLOT SCALE: 1=1  
ORIGIN: ELECTRICAL  
ROMANS.SHX  
romans  
romand.shx  
romand.ttr