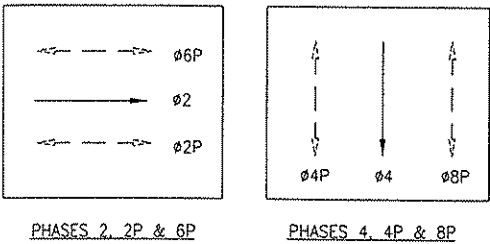


POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	EX. SL	120V/200W						88	1S-COUNT	SP-1-SF (22")	
②	1-A (10')		22	3S8"	SV-1-T	T		69	1S-COUNT	SP-1	
③	17B-1-70 20' MAST ARM 6' LUMINAIRE ARM	120V/200W	24 21	3S12" 3S8"	MAS SV-1-T	T T		28	1S-COUNT	SP-1	BACKPLATE
④	1-A (10')		42	3S8"	TV-1	T		89	1S-COUNT	SP-1	
⑤	CITY STANDARD STREET LIGHT W/ 6' LUMINAIRE ARM	120V/200W	41	3S8"	SV-1-T	T		29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
⑥	CITY STANDARD STREET LIGHT W/ 6' LUMINAIRE ARM	120V/200W						49 68	1S-COUNT 1S-COUNT	SP-1 SP-1	

PHASE DIAGRAM:



PHASE SEQUENCE:

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

SWITCH OVER: 3-30-04 AT 10:32 AM (3-COLOR)
NEW SERVICE POINT ACTIVATED ON 11/14/06

DETAIL NOTES:

- 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.
- A7 R/C EX TS WIRING. 12/C CABLE TO REMAIN.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDPSF FILE #49,092.
- B3 SPLICE NEW SL WIRING TO SERVICE WIRES TO SUPPORT NEW SL(S).
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- I1 SPLICE EX 12/C AS REQUIRED 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.
- P CONTRACTOR SHALL COORDINATE WITH RAY YAMAGISHI OF BLHP @ 554-0728 TO DISCONNECT EX SL SERVICE WIRING. R/C EX WIRING AND CONDUIT. RESTORE SIDEWALK AND/OR PAVEMENT TO MATCH EX OR AS REQUIRED.
- U RESTORE DECORATIVE SIDEWALK TO ORIGINAL CONDITION AFTER CONSTRUCTION

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.

12/02	PCO-3: VARIOUS	TP	BC	
10/02	PCO-1: NEW SERVICE	TP	BC	
NO.	DATE	DESCRIPTION	BY	APP.

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: GD/JP/TP 3/02
DRAWN: DATE: JN/JS 3/02
CHECKED: DATE: DSB/STL 3/02

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

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

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST AND MASON ST

SPECIFICATION NO. 0286J
DRAWING NO. E-23.0
FILE NO. 78243
REV. NO. 2

EXTERNAL REFERENCES: 10342-22.dwg
DATE: 10/24/02
SCALE: 1" = 10'
SHEET: 51 OF 73
ORIGIN: S&B & T&C

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)	2	2	2	2	2	2	2	2	2	2	2	3	3	2		2	2	3	2				
CONDUIT SIZE (mm)	53	53	53	53	53	53	53	53	53	53	53	77	77	53		53	53	77	53				
NOTES												SP			NOT USED		Q	Q1					
VEH. SIGNAL 21	3		3		3									3									
PED. SIGNAL 28	2		2		2									2									
VEH. SIGNAL 42		3	3		3									3									
PED. SIGNAL 89		2	2		2									2									
PED. SIGNAL 29				2	2									2									
VEH. SIGNAL 41				3	3									3									
PED. SIGNAL 48				2	2									2									
VEH. SIGNAL 22						3		3		3													
VEH. SIGNAL 24	3	3		3			2		2		2		2	2									
PED. SIGNAL 69								2	2		2												
PED. SIGNAL 88								2	2		2												
PED. SIGNAL 49										2	2												
PED. SIGNAL 68										2	2												
#14 NEUTRAL	3	2		3			2	1		1													
#14 SPARE			3		3				3		3		3										
TOTAL #14 WIRES	11	7	16	10	23		7	3	10	5	11		23										
#10 WIRES NEUTRAL			1		2				1		1		1	2									
#10 WIRES STREET LIGHT	2			2						2													
#8 WIRES STREET LIGHT			2			2										2			2				
#8 WIRES (120 V SERVICE)														2					2				
#6 BSCW														1					1				
INTERCONNECT FIBER-OPTIC CABLE W/ 12 STRANDS																		1					
INTERCONNECT FIBER-OPTIC CABLE W/ 144 STRANDS																	1						

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.

- DETAIL NOTES:
- Q F/I 4-2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE IN EACH CONDUIT. F/I FIBER-OPTIC CABLE WITH 144 STRANDS IN ONE OF THE CONDUITS.
 - Q1 F/I 3" PVC SCHEDULE 80 CONDUIT WITH 1/4" PULL ROPE. F/I FIBER-OPTIC CABLE WITH 12 STRANDS (SPliced FROM 144 STRANDS).

NO.	DATE	DESCRIPTION	BY	APP.
12/02	PCO-3: VARIOUS	TP	BC	
10/02	PCO-1: NEW SERVICE	TP	BC	
TABLE OF REVISIONS				
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REFERENCE INFORMATION
& FILE NO. OF SURVEYS



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



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

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

SCALE:
NONE
SHEET OF SHEETS
52 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE

BUSH ST AND MASON ST

SPECIFICATION NO. 0286J
DRAWING NO. E-23.1
FILE NO. 78244
REV. NO. 2