

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	CITY STANDARD STREET LIGHT W/ 6' LUMINAIRE ARM	120V/100W	81	3S8"	SV-1-T	T		88	1S-COUNT	SP-1	
②	17B-1-70 20' MASTARM 6' LUMINAIRE ARM	120V/150W	24	3S12"	MAS	T		69	1S-COUNT	SP-1	BACKPLATE
			22	3S8"	SV-1-T	T					
③	1-A (10')		21	3S8"	TV-1	T		28	1S-COUNT	SP-1	
④	CITY STANDARD STREET LIGHT W/ 6' LUMINAIRE ARM	120V/100W	42	3S8"	SV-1-T	T		89	1S-COUNT	SP-1	
⑤	1-A (10')		41	3S8"	TV-1	T		29	1S-COUNT	SP-1-SF (12")	
								48	1S-COUNT	SP-1 (22")	
⑥	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	
								68	1S-COUNT	SP-1	

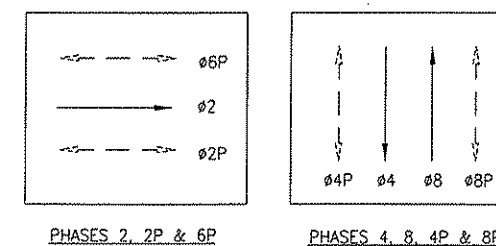
NOTE:  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND 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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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:

- 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.
- B1 SPLICE NEW WIRING TO EX SL WIRING TO ADD NEW SL(S) TO EX CIRCUIT.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDPWSF FILE #49,092.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD AND REPAIR AFTER INSTALLATION.
- 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.

- L8 STREET LIGHT POLE IS TO BE F/I UNDER/NEAR UTILITY OVERHEAD WIRES. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY TO PROVIDE NECESSARY SAFETY MEASURES FOR THE CONTRACTOR'S INSTALLATION OF THE STREET LIGHT POLES AND FOR THE CITY'S FUTURE MAINTENANCE OF THE STREET LIGHTS AFTER THIS PROJECT IS COMPLETED. ALL COORDINATION WITH THE UTILITY COMPANIES TO MEET GENERAL ORDER 95 (GO 95) REQUIREMENTS SHALL BE CONSIDERED AS INCIDENTAL WORK.
- P CONTRACTOR SHALL COORDINATE WITH RAY YAMAGISHI OF BLHP @ 415 554-0728 TO DISCONNECT EX SL SERVICE WIRING. R/C EX WIRING AND CONDUIT. RESTORE SIDEWALK AND/OR PAVEMENT TO MATCH EX OR AS REQUIRED.

SWITCH OUT: 2-10-04 @ 11:4AM (3 WAYS)  
PHASE DIAGRAM:



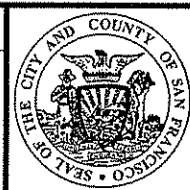
PHASE SEQUENCE:

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

NO.	DATE	DESCRIPTION	BY	APP.
12/02	PCO-3: VARIOUS		TP	BC
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:	
STL/DSB 3/02	

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

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST AND PIERCE ST

SPECIFICATION NO.	0286J
DRAWING NO.	E-7.0
FILE NO.	78211
REV. NO.	2

EXTERNAL REFERENCES: 163322.DWG  
PRINTS (COPY) AIRPORT/UT/ROADWAY/REMOVE  
SCALE FACTOR: 120  
PRINT SCALE: 1"=10'  
ORIGIN: Sub & Top

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)	2	2	2	2	2	2	3	2	2	2	3	2	2	2	1.5	1.5	1.5	2	2	3				2	
CONDUIT SIZE (mm)	53	53	53	53	53	53	77	53	53	53	77	53	53	53	41	41	41	53	53	77				53	
NOTES															GRSC	GRSC	GRSC	SP		SP	NOT USED	NOT USED	NOT USED		
PED. SIGNAL 29	2	2			2		2																		
VEH. SIGNAL 41	3	3			3		3																		
PED. SIGNAL 48	2	2			2		2																		
VEH. SIGNAL 42			3		3		3																		
PED. SIGNAL 89			2		2		2																		
VEH. SIGNAL 21				3	3		3																		
PED. SIGNAL 28				2	2		2																		
VEH. SIGNAL 22						3	3																		
VEH. SIGNAL 24						3	3																		
PED. SIGNAL 69						2	2																		
PED. SIGNAL 49								2	2		2														
PED. SIGNAL 68								2	2		2														
VEH. SIGNAL 82								3	3		3														
VEH. SIGNAL 81										3	3														
PED. SIGNAL 88										2	2														
#14 NEUTRAL	3		2	2		3		3		2															
#14 SPARE		3			3		3		3		3														
TOTAL #14 WIRES	10	10	7	7	20	11	28	10	10	7	15														
#10 WIRES NEUTRAL		1			2		2		1		1														
#10 WIRES STREET LIGHT			2			2												2							
#8 WIRES STREET LIGHT		2													2	2									
#8 WIRES (120 V SERVICE)												2		2										2	
#6 BSCW												1		1										1	
INTERCONNECT 12C CABLE													2						2						
DLW (DETECTOR LOOP WIRE)																									
DLC (DETECTOR LED-IN-CABLE)																									
PRE-EMPTION																									

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



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

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

SCALE:	NONE
SHEET OF SHEETS	20 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST AND PIERCE ST SCHEDULE

SPECIFICATION NO.	0286J
DRAWING NO.	E-7.1
FILE NO.	78212
REV. NO.	2

FILE NAME: 0286J\_E07.1.dwg  
DATE: Feb 15 2002 15:06

EXTERNAL REFERENCES: 1034x22.dwg  
FONTS USED: chb, hf, ariahb, hf, roman, chb, roman, chb

SCALE FACTOR: 1=1  
PLOT SCALE: 1=1

ORIGIN: ELECTRICAL