

NOTE:
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DETAIL NOTES:

- A1 EX CONDUIT AND WIRING. R/C EX WIRING. F/I NEW WIRING AS NOTED.
- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- 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.
- I EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- J F/I GUARD POST PER SPDWSF FILE #LA-021. EXCEPT GUARD POST SHALL BE 6" N.D.
- LS 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.

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

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/TP 3/02	SECTION MANAGER DATE:
DRAWN: DATE:	DIVISION MANAGER DATE:
GD/RT 3/02	CITY ENGINEER DATE:
CHECKED: DATE:	
STL/DSB 3/02	

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

BUSH STREET TRAFFIC SIGNAL UPGRADE

BUSH ST, EUCLID AVE AND PRESIDIO AVE

SPECIFICATION NO.	0286J
DRAWING NO.	E-1.0
FILE NO.	78199
REV. NO.	2

EXTERNAL REFERENCES: 103422.DWG
FRONT: 103422.DWG
SCALE FACTOR: 120
PRINT SCALE: 1"=10'
ORIGIN: 103422.DWG
FILE NAME: 0286J_E01.DWG
DATE: 14 MAR 14 10:47

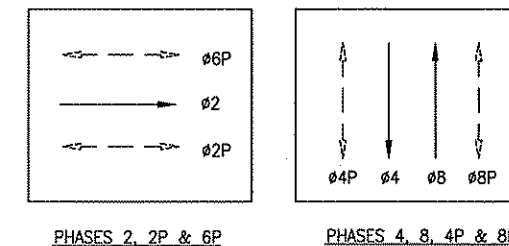
CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)																											
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
CONDUIT SIZE (INCH)			2	2	2	3	2	2		2	2	2	3	2		1.5			2	2	2	2	2	2	3	2	
CONDUIT SIZE (mm)			53	53	53	77	53	53		53	53	53	77	53		41			53	53	53	53	53	53	77	53	
NOTES		EX							EX						NOT USED	GRSC	NOT USED	NOT USED	SP						SP		
	VEH. SIGNAL 82	3		3		3																					
	PED. SIGNAL 49		2	2		2																					
	PED. SIGNAL 68		2	2		2																					
	VEH. SIGNAL 81				3	3																					
	VEH. SIGNAL 84				3	3																					
	PED. SIGNAL 88				2	2																					
	PED. SIGNAL 29						2	2			2		2														
	VEH. SIGNAL 41					3	3			3		3															
	VEH. SIGNAL 44					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														
	#14 NEUTRAL	1	1		3		4		2	2		3															
	#14 SPARE			3		3		3			3		3														
	TOTAL #14 WIRES	4	5	10	11	18	14	13	7	7	23	11	31														
	#10 WIRES NEUTRAL			1		1		1			2		2														
	#10 WIRES STREET LIGHT											2															
	#8 WIRES STREET LIGHT															2											
	#8 WIRES (120 V SERVICE)													2										2		2	
	#6 BSCW													1										1		1	
	INTERCONNECT 12C CABLE																										
	DLW (DETECTOR LOOP WIRE)																										
	DLC (DETECTOR LED-IN-CABLE)																										
	PRE-EMPTION			2																							

DETAIL NOTES:

B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRONIC CONTROL F/I FUSE AND FUSE HOLDERS PER SPDWSF FILE # 49,092.

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/ WATTS	No.	TYPE	MOUNTING	VISOR	No.	TYPE	MOUNTING	
①	16-1-70 8' MAST ARM		84 81	3S12" 3S8"	MAS SV-1-T	T T	88	IS-COUNT	SP-1	BACKPLATE
②	17B-1-70 20' MAST ARM 6' LUMINAIRE	120V/150W	24 22	3S12" 3S8"	MAS SV-1-T	T T	69	IS-COUNT	SP-1	BACKPLATE
③	1-A (10')		21	3S8"	TV-1	T	28	IS-COUNT	SP-1	
④	EX. SL/MUNI		42	3S8"	SV-1-T	T	89	IS-COUNT	SP-1	
⑤	16-1-70 8' MAST ARM		44 41	3S12" 3S8"	MAS SV-1-T	T T	29 48	IS-COUNT IS-COUNT	SP-1 SP-1	BACKPLATE
⑥	1-A (7')						49 68	IS-COUNT IS-COUNT	TP-2-T	
⑦	EX. SL/MUNI		82	3S12"	SV-1-T	T				

PHASE DIAGRAM:



PHASES 2, 2P & 6P

PHASES 4, 8, 4P & 8P

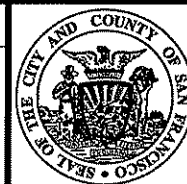
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PHASE SEQUENCE:

G	Y	R	EUCLID AVE/BUSH ST
R		G	PRESIDIO AVE
WM	FRH	RH	PEDS XING PRESIDIO AVE
RH	WM	FRH	PEDS XING EUCLID AVE/BUSH ST

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				

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

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

SCALE:
NONE
SHEET OF SHEETS
8 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST, EUCLID AVE AND PRESIDIO AVE
SCHEDULE

SPECIFICATION NO. 0286J
DRAWING NO. E-1.1
FILE NO. 78200
REV. NO. 1