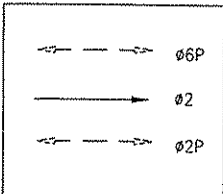


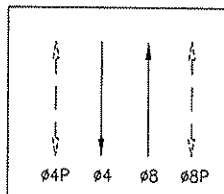
POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A (10')		81	3S8"	TV-1	T		88	1S-COUNT	SP-1	
②	17B-1-70 20' MAST ARM 6' LUMINAIRE	B2 240 V/ 150 W	24 22	3S12" 3S8"	MAS SV-1-T	T T		69	1S-COUNT	SP-1	BACKPLATE
③	1-A (10')		21	3S8"	TV-1	T		28	1S-COUNT	SP-1	
④	1-A (10')		42	3S8"	TV-1	T		89	1S-COUNT	SP-1	
⑤	EX. SL		41	3S8"	SV-1-T	T		29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
⑥	CITY STANDARD S/L W/ 6' LUMINAIRE ARM	B2 120 V/ 100 W	82	3S8"	SV-1-T	T		49 68	1S-COUNT 1S-COUNT	SP-1 SP-1	

SWITCH OVER: 2-12-04 @ 9:27 AM (3 COWS)
NEW SERVICE POINT ACTIVATED ON 11/27/04

PHASE DIAGRAM:



PHASES 2, 2P & 6P



PHASES 4, 8, 4P & 8P

PHASE SEQUENCE:

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

DETAIL NOTES:

- 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.
- A2B EX PG&E SERVICE WIRING.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDWFSF FILE #49,092.
- B9 SPLICE NEW SL WIRING TO ADD NEW SL TO EX CIRCUIT.
- I EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- J F/I GUARD POST PER SPDWFSF FILE #LA-021. EXCEPT GUARD POST SHALL BE 6" N.D.
- 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.

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.

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/NL/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 31 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE

BUSH ST AND OCTAVIA ST

SPECIFICATION NO. 0286J

DRAWING NO. E-13.0

FILE NO. 78223

REV. NO. 2

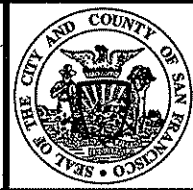
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DATE: Feb 18 2003 16:24
ORIGIN: Sole & Tax
SCALE FACTOR: 120
PRINT SCALE: 1"=1'

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				
CONDUIT SIZE (INCH)	2	2	2	3		2	2	2	2	2	3	2		2	2	3	1.5	2	2	2	2				
CONDUIT SIZE (mm)	53	53	53	77		53	53	53	53	53	77	53		53	53	77	41	53	53	53	53				
NOTES					EX								NOT USED	SP		SP	GRSC								
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																				
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														
#14 NEUTRAL	3		2		3		2	2		3															
#14 SPARE		3		3		3				3		3													
TOTAL #14 WIRES	10	10	7	15	10	10	7	7		20	11	28													
#10 WIRES NEUTRAL		1		1		1				2		2													
#10 WIRES STREET LIGHT	2										2														
#8 WIRES STREET LIGHT		2																							
#8 WIRES (120 V SERVICE)																									
#6 BSCW																									
INTERCONNECT 12C CABLE																									
DLW (DETECTOR LOOP WIRE)																									
DLC (DETECTOR LED-IN-CABLE)																									
PRE-EMPTION																									

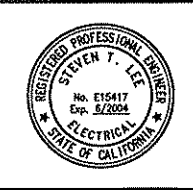
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NO.		DATE	DESCRIPTION	BY	APP.
1	10/02	PCO-1: NEW SERVICE	TP	BC	
TABLE OF REVISIONS					
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					

REFERENCE INFORMATION & FILE NO. OF SURVEYS
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BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



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

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

SCALE:	NONE
SHEET OF SHEETS	32 OF 73

SPECIFICATION NO.	0286J
DRAWING NO.	E-13.1
FILE NO.	78224
REV. NO.	1

FILE NAME: 0286J_E13.1.dwg
DATE: Feb 19 2002 16:26

EXTERNAL REFERENCES: 103422.dwg
FONTS USED: city0... ttf dutchb.ttf
SCALE FACTOR: 1
PLOT SCALE: 1=1
ORIGIN: ELECTRICAL