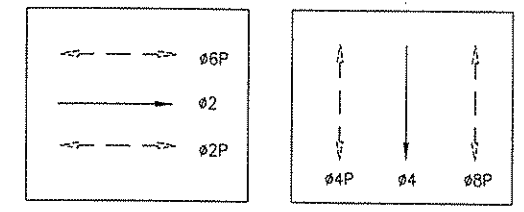


SWITCH OVER 3-24-02 @ 11 AM
NEW SERVICE ACTIVATION 3-25-08 @ 10:30 AM
POLE AND EQUIPMENT SCHEDULE

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							88	1S-COUNT	SP-1	
②	16-1-70 20' MASTARM		24 22	3S12" 3S8"	MAS SV-1-T AT 12'	T T		69	1S-COUNT	SP-1	BACKPLATE
③	EX. SL		21	3S8"	SV-1-T AT 12'	T		28	1S-COUNT	SP-1	
④	1-A (12')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1-SF (22")	
⑤	EX. SL			3S12"	SV-1-T	T		29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
⑥	1-A (7')							49 68	1S-COUNT 1S-COUNT	TP-2-T	

PHASE DIAGRAM:



PHASE SEQUENCE:

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

* PER PHONE CALL W/ BILL LAY, VEH. SIGNAL 41 WILL BE MOUNTED AT SAME HEIGHT AS VEH. SIGNAL 42

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. EX 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.
- A7 R/C EX TS WIRING. 12/C CABLE TO REMAIN.
- A24 EX CONDUIT WITH PULL ROPE.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD AND REPAIR AFTER INSTALLATION.
- E R/C EX PULL BOX. REPAIR SIDEWALK AND OR PAVEMENT TO MATCH EX OR AS REQUIRED.
- I1 SPLICE EX 12/C AS REQUIRED TO MAINTAIN INTERCONNECT SYSTEM.
- L F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO EX PG&E SERVICE WIRES TO SUPPORT NEW IC.
- 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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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.

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

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



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



DESIGNED: DATE: 1/02
GD/NL/TP
DRAWN: DATE: 1/02
TP/JS
CHECKED: DATE: 1/02
DSB/STL

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

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

BUSH STREET TRAFFIC SIGNAL UPGRADE
BUSH ST AND HYDE ST

SPECIFICATION NO. 0286J
DRAWING NO. E-19.0
FILE NO. 78235
REV. NO. 2

EXTERNAL REFERENCES: 103422.dwg
FINDS USED: 103422.dwg
SCALE: 1" = 10'
ORIGIN: DPW-ELECTRICAL
FILE NAME: 0286J.E19.0.dwg
DATE: 10/24/02 14:44

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
CONDUIT SIZE (INCH)	2	2	3	2	2	2	2	2	2	2	3	2	2	2	2	2	3	
CONDUIT SIZE (mm)	53	53	77	53	53	53	53	53	53	53	77	53	53	53	53	53	77	
NOTES		EX			SP		EX			EX			SP	NOT USED	NOT USED	Q	Q	
PED. SIGNAL 49	2	2		2														
PED. SIGNAL 68	2	2		2														
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	2					
VEH. SIGNAL 24											3	3						
PED. SIGNAL 69										2	2							
#14 NEUTRAL	1		1			3		2	2		3							
#14 SPARE		3		6			3			3		3						
TOTAL #14 WIRES	5	7	3	29		10	10	7	7	20	11	11						
#10 WIRES NEUTRAL		1		1	2		1			2		2	2					
#10 WIRES STREET LIGHT																		
#8 WIRES STREET LIGHT																		
#8 WIRES (120 V SERVICE)																		
#6 BSCW																		
INTERCONNECT FIBER-OPTIC CABLE W/ 12 STRANDS																		
INTERCONNECT-FIBER-OPTIC CABLE W/ 144 STRANDS																		

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.

DETAIL NOTES:

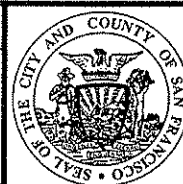
Q F/1 4-2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE IN EACH CONDUIT. F/1 FIBER-OPTIC CABLE WITH 144 STRANDS IN ONE OF THE CONDUITS.

Q F/1 3" PVC SCHEDULE 80 CONDUIT WITH 1/4" PULL ROPE. F/1 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
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
NL/TP	1/02	
DRAWN:	DATE:	SECTION MANAGER
NL/JS	1/02	
CHECKED:	DATE:	DIVISION MANAGER
DSB/STL	1/02	
		CITY ENGINEER

SCALE:	NONE
SHEET OF SHEETS	44 OF 73

BUSH STREET TRAFFIC SIGNAL UPGRADE

BUSH ST AND HYDE ST SCHEDULE

SPECIFICATION NO.	0286J
DRAWING NO.	E-19.1
FILE NO.	78236
REV. NO.	2