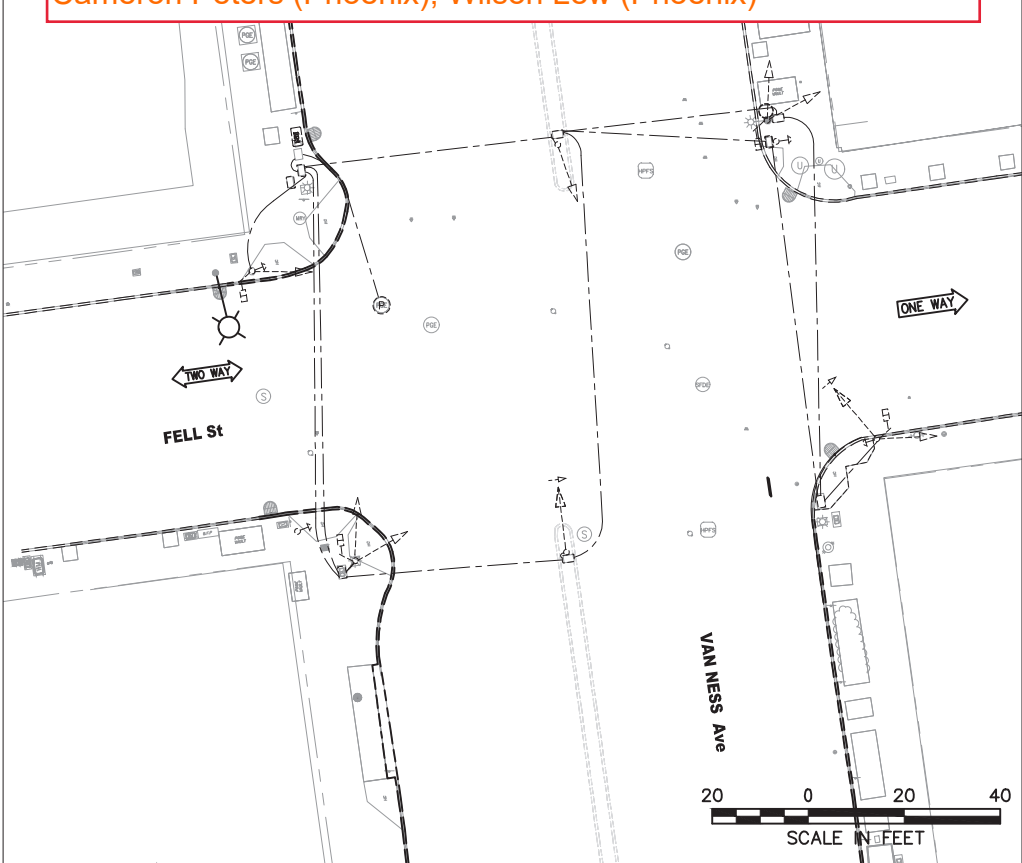


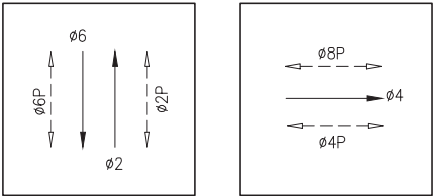
5/20/21 Traffic Signal Switchover
10:22am Dark, 11:08am Emergency Flash, 11:11am 3-color.
APS not installed yet.

Staff
Ken Kwong (TE), Manito Velasco (TE), Robbie Donohoe (Signal Shop), Danny Guevara (Signal Shop), Glenn Wilson (CPC), Cameron Peters (Phoenix), Wilson Lew (Phoenix)



EXISTING EQUIPMENT

5. SRC 2022-284: ADDITIONAL PED SIGNAL
69A P WITH A SP-1-SF MOUNTING ON POLE I.



PHASE DIAGRAM

FOR ORIGINAL SIGNATURES, SEE ET-103.0, REV 0

4	11/10/20	CONFORMED SET: UPDATED WITH RFI# 867, #868, & #932	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
SK	3/26/19	RFI# 608: POLE H WILL BE A SL POLE INSTALLED BY ATT AND POLE D & G ARE PIP PER POLE LAYOUT.	KK	MV	CL
2	03/2018	REVISED NE CORNER CONDUIT RUNS; ADDED FBC SIGNS ON POLES F AND J; REMOVED BBS, MOVED POLE B AND CONDUIT 7, ADDED TYPE 6X AND 6TX PULLBOXES	KK	MV	CL
1	10/2017	REVISED CONDUIT RUN & ADJUSTD PULBX ON NE CORNER	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LUU
REVIEWED	C. LUU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

FELL STREET
TRAFFIC SIGNAL WORK

1289

ET-103.0

ET-204

REVISION

5

F:\T_E_FILES\SPo\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09 2021 - 12:13 pm
BORDER REVISED 11/17/05

F:\T.E. FILES\Sp\o\Projects\Van Ness BR\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:13 pm

POLE AND EQUIPMENT SCHEDULE													
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
Ⓐ	SIGNAL & SL COMBO POLE	—	12	21	3S12"	SV-1-T	T		28	1S-COUNT	SP-1	—	APS Ⓐ SPECIAL POLE FOUNDATION TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
Ⓑ	PPBP POLE	—		—	—	—	—		—	—	—	—	APS Ⓐ
Ⓒ	SIGNAL & OCS COMBO POLE	—	96	42	3S12"	SV-1-T	T		89	1S-COUNT	SP-1	—	SPECIAL POLE FOUNDATION
Ⓓ	18-2-100	25		41 44	3S12" 3S12"	SV-1-T MAS	T T		48	1S-COUNT	SP-1	—	APS Ⓐ INSTALL NEW POLE IN PLACE OF EXISTING POLE
Ⓔ	SIGNAL, SL & OCS COMBO POLE	—	90 08	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	—	APS Ⓐ
Ⓕ	SPECIAL MAST ARM POLE (23-4-100)	35		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		68	1S-COUNT	SP-1	—	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH APS Ⓐ TSP Ⓐ TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
Ⓖ	1-A (10')	—		45	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	—	APS Ⓐ INSTALL NEW POLE IN PLACE OF EXISTING POLE
Ⓕ	1-A (7')	—		—	—	—	—		88	1S-COUNT	TP-1	—	APS Ⓐ
Ⓘ	1-A (10')	—		65	3S12"	TV-1-T	T		69 69A	1S-COUNT	SP-1 SP-1-SF	—	APS Ⓐ MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN
Ⓙ	SPECIAL MAST ARM POLE (18-4-100)	30		24 27	3S12" 3S12"GUA	MAS MAS	T T		—	—	—	—	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 23.5' HIGH MOUNT SIGNAL 24 BETWEEN YELLOW AND GREEN

*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- Ⓐ INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- Ⓐ INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- Ⓐ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- Ⓐ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

4. SRC 2022-284: ADDITIONAL PED SIGNAL 69A P WITH A SP-1-SF MOUNTING ON POLE I.

FOR ORIGINAL SIGNATURES, SEE ET-103.1, REV 0

311/10/20			CONFORMED SET AND UPDATED WITH RFI# 868 AND #998	KK	MV	CL	DESIGNED K. KWONG	DRAWN K. KWONG	CHECKED R. ZAMORA/C. LIU	REVIEWED C. LIU	RECOMMENDED P. WILSON	APPROVED R. OLEA	DATE 12/4/2015		CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY	APPROVED	for the DIRECTOR OF TRANSPORTATION	MUNI BUS RAPID TRANSIT SYSTEM		1289				
27/18/19			LATEST DRAWING	KK	MV	CL												VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT						
SK3/26/19			RFI# 608: POLE H WILL BE A SL POLE INSTALLED BY ATT AND POLE D & G ARE PIP PER POLE LAYOUT.	KK	MV	CL																		
103/2018			UPDATED POLE STANDARD AND SPECIAL REQUIREMENT; UPDATED POLES B, F, AND J, ADDED FBC TENON NOTE	KK	MV	CL																		
NO.	DATE	DESCRIPTION		REVISED	CHECKED	APPROVED																		
REVISIONS																								
																			FELL STREET		ET-103.1		REVISION	
																			CONDUCTOR POLE AND EQUIPMENT SCHEDULES		ET-204		4	

CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9A	9B	9C	9D	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
CONDUIT SIZE (INCH)	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2	3	2	2	2	
				SP	SP		3	EX			SP	SP	SP			SP	SP					SP		SP					SP	SP			SP	SP				
VEHICLE SIGNAL Ø25	3		3							3				3					3				3															
PED SIGNAL Ø29P	2		2							2				2					2				2															
APS PPB FOR XING VAN NESS SS ON POLE E	2		2							2				2					2				2															
VEHICLE SIGNAL Ø41		3	3							3				3					3				3															
VEHICLE SIGNAL Ø44		3	3							3				3					3				3															
PED SIGNAL Ø48P		2	2							2				2					2				2															
APS PPB FOR XING FELL ES ON POLE D		2	2							2				2					2				2															
VEHICLE SIGNAL Ø42						3				3			3		3				3				3															
PED SIGNAL Ø89P						2				2			2		2				2				2															
APS PPB FOR XING FELL ES ON POLE B							2			2					2				2				2															
VEHICLE SIGNAL Ø21								3	3					3					3				3															
PED SIGNAL Ø28P								2	2					2					2				2															
APS PPB FOR XING VAN NESS NS ON POLE A								2	2					2					2				2															
VEHICLE SIGNAL Ø24																	3		3		3		3															
VEHICLE SIGNAL Ø27																	3		3		3		3															
VEHICLE SIGNAL Ø61																									3		3					3						
VEHICLE SIGNAL Ø64																									3		3					3						
VEHICLE SIGNAL Ø67																									3		3					3						
PED SIGNAL Ø68P																										2		2					2					
APS PPB FOR XING VAN NESS SS																																						

FOR ORIGINAL SIGNATURES, SEE ET-103.2, REV 0

3	11/10/20	CONFORM SET AND UPDATED W/ RFI 591,867,868, & 932	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
1	03/2018	REMOVED BBS; REMOVED CONDUIT 6; UPDATED CONDUIT 10; UPDATED SCHEDULE FOR APS ON POLE B	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LIU
REVIEWED	C. LIU
RECOMMENDED	P. WILSON
APPROVED	R. OLEA
DATE	12/4/2015



APPROVED

for the DIRECTOR OF TRANSPORTATION

FELL STREET CONDUIT & WIRING SCHEDULES

1289

ET-103.2

ET-204

REVISION

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