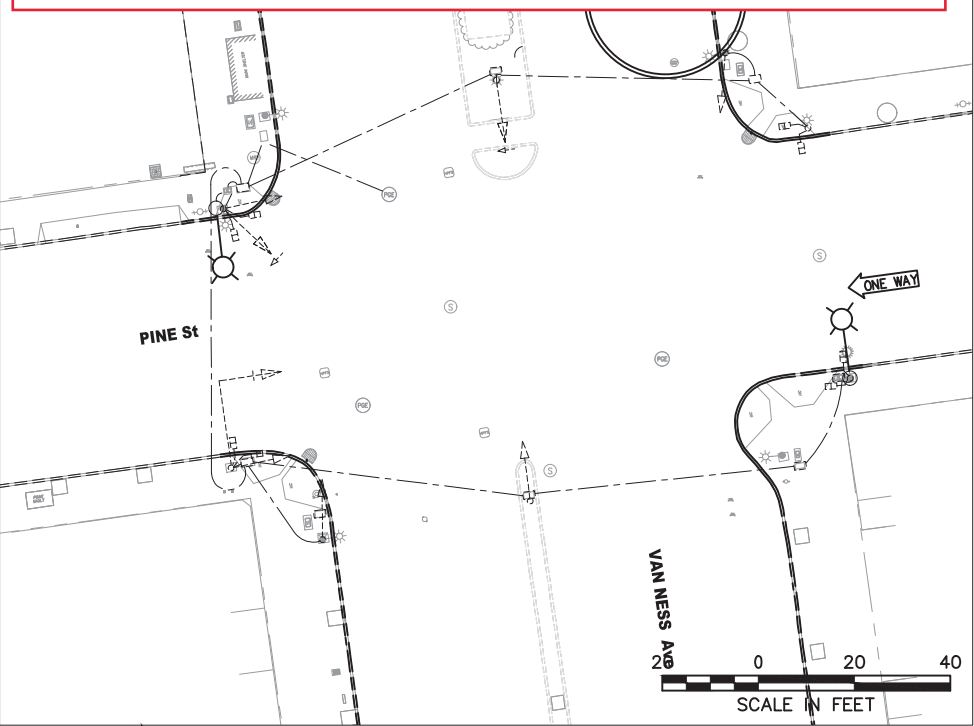
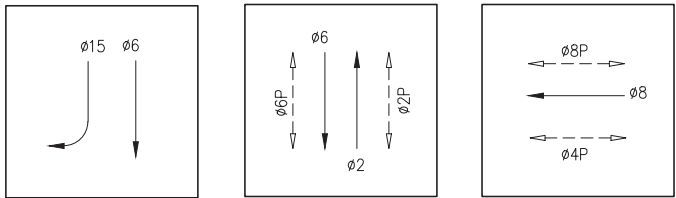


4/27/21 Traffic Signal Switchover
10:14am Dark, 10:40am Emergency Flash, 10:45am 3-color.
APS not installed yet. Transit Signal 151 & 153 disabled.

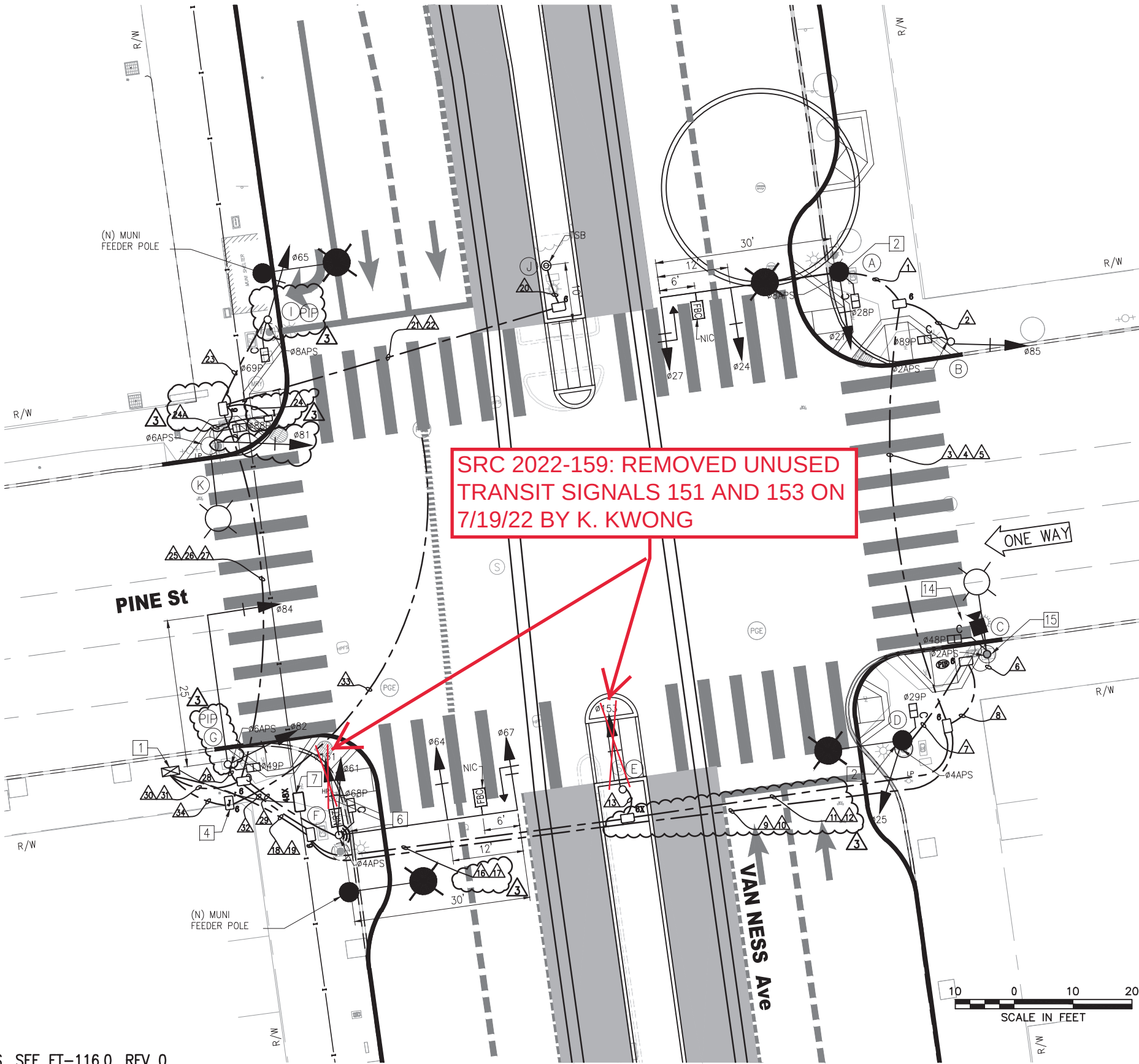
Staff
Ken Kwong (TE), Phong Nguyen (Signal Shop), Danny Guevara (Signal Shop), Glenn Wilson (CPC), Cameron Peters (Phoenix), Wilson Lew (Phoenix)



EXISTING EQUIPMENT



PHASE DIAGRAM



FOR ORIGINAL SIGNATURES, SEE ET-116.0, REV 0

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3	11/10/20	CONFORM SET: UPDATED W/RFI #635,932,1008.1; FM#352	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/15/19	RFI#558: REVISED POLE H; POLE I IS NOW A 1-A; AND TSP ON POLE F	KK	MV	CL
1	03/2018	ADDED FBC SIGNS ON POLES A AND F; ADDED TYPE 6X PULLBOX	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/G. 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
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PINE STREET
TRAFFIC SIGNAL WORK

1289

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REVISION

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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		
(A)	SIGNAL, SL & OCS COMBO POLE	30	1500 152	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		28	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH SEE ST PLANS FOR POLE DETAILS APS 1 TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(B)	1-A (10')	-		85	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	-	APS 1
(C)	EXISTING SL	-		-	-	-	-		48	1S-COUNT	SP-1	-	APS 1 TRAFFIC CAMERA 3
(D)	SIGNAL, SL & OCS COMBO POLE	-	1482 148	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	-	APS 1
(E)	1-A (10')	-		153	3S12"RB	TV-1-T	T		-	-	-	-	
(F)	SPECIAL MAST ARM POLE (18-4-100)	30		61 64 67 151	3S12" 3S12" 3S12"GUA 3S12"RB	SV-1-T MAS MAS SV-1-T	T T T T		68	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH SIGNAL 151 MOUNT AT 18' HIGH "NO RIGHT TURN" BLANK-OUT SIGN APS 1 AND TSP 2 TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(G)	18-2-100	25		82 84	3S12" 3S12"	SV-1-T MAS	T T		49	1S-COUNT	SP-1	-	SIGNAL 82 MOUNT AT 13' APS 1 PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE 3
(H)	NOT USED	-		-	-	-	-		-	-	-	-	
(I)	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE APS 1 3
(J)	TSB POLE	-		-	-	-	-		-	-	-	-	TSB
(K)	EXISTING SL	-		81	3S12"	SV-1-T (36" NIPPLE)			88	1S-COUNT	SP-1	-	MOUNT SIGNAL 81 AT 13' HIGH APS 1 3

*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.

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

SRC 2022-159: REMOVED UNUSED TRANSIT SIGNALS 151 AND 153 ON 7/19/22 BY K. KWONG

FOR ORIGINAL SIGNATURES, SEE ET-116.1, REV 0

3	11/10/20	CONFORMED SET: UPDATED W/RFI #635 & #998; FM#352	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/15/19	RFI#558: REVISED POLE H; POLE I IS NOW A 1-A; AND TSP ON POLE F	KK	MV	CL
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT; UPDATED POLES A AND F; ADDED FBC TENON NOTE	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



CITY AND COUNTY OF SAN FRANCISCO
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MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PINE STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

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CONDUIT AND WIRING SCHEDULE

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	24A	25	26	27	28	29	30	31	32	33	34	
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	2	3	2	2	3	2		
				SP	SP	EX					SP	SP				SP			SP	GRS		SP			EX NEW		SP	SP				SP	SP			
VEHICLE SIGNAL 021	3		3						3					3				3																		
VEHICLE SIGNAL 024	3		3						3					3				3																		
VEHICLE SIGNAL 027	3		3						3					3				3																		
PED SIGNAL 028P	2		2						2					2				2																		
APS PPB FOR XING VAN NESS NS ON POLE A	2		2						2					2				2																		
VEHICLE SIGNAL 085		3	3						3					3				3																		
PED SIGNAL 089P		2	2						2					2				2																		
APS PPB FOR XING PINE ES ON POLE B		2	2						2					2				2																		
PED SIGNAL 048P						2		2		2				2				2																		
APS PPB FOR XING PINE ES ON POLE C						2		2		2				2				2																		
VEHICLE SIGNAL 025							3	3		3				3				3																		
PED SIGNAL 029P							2	2		2				2				2																		
APS PPB FOR XING VAN NESS SS ON POLE D							2	2		2				2				2																		
TRANSIT SIGNAL 0153													3		3			3																		
TSB ON POLE J																			2	2						2					2					
VEHICLE SIGNAL 065																							3			3					3					
VEHICLE SIGNAL 081																									3	3	3					3				
PED SIGNAL 069P																									2			2				2				
APS PPB FOR XING VAN NESS NS ON POLE I																									2			2				2				
PED SIGNAL 088P																									2	2	2					2				
APS PPB FOR XING PINE WS ON POLE K																									2	2	2					2				
VEHICLE SIGNAL 082																														3		3				
VEHICLE SIGNAL 084																														3		3				
PED SIGNAL 049P																														2		2				
APS PPB FOR XING PINE WS ON POLE G																														2		2				
TRANSIT SIGNAL 0151																																3	3			
VEHICLE SIGNAL 061																																3	3			
VEHICLE SIGNAL 064																																3	3			
VEHICLE SIGNAL 067																																3	3			
PED SIGNAL 068P																																2	2			
APS PPB FOR XING VAN NESS SS ON POLE F																																2	2			
#14 NEUTRAL	4	2				1	2																	3	2	2				3	5					
#14 SPARE			3					3	3	3				3	3			6								3						3				
TOTAL #14 WIRES	17	9	23			5	9	14	23	14				23	16		37		3	2	2			13	9	9	19			13	18	42				
#10 WIRES NEUTRAL			1					1	1	1				1	1	2	1		3							1						2				
#4 WIRES (120 V SERVICE)																																		3	3	
#8 WIRES (120 V SERVICE)																																				2
#6 BSCW (SEE GENERAL NOTE 10)																																				
TSP RECEIVER (10 CONDUCTOR CABLE)																																1	1			
CCTV CAMERA WIRES (CAT6)						1		1		1							1														1	1				

SRC 2022-159: REMOVED UNUSED TRANSIT SIGNALS 151 AND 153 ON 7/19/22 BY K. KWONG

FOR ORIGINAL SIGNATURES, SEE ET-116.2, REV 0

3	11/10/20	CONFORM SET: UPDATED W/ RFI#591, 932, 948, & 1008.1	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/15/19	RFI#558: SIG 87 (NOW 81) TO POLE H; USE EX. STREET LIGHT CONDUIT; AND TSP ON POLE F.	KK	MV	CL
1	03/2018	CONDUIT RUN 6 IS EXISTING	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

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



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MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PINE STREET
CONDUIT & WIRING SCHEDULES

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