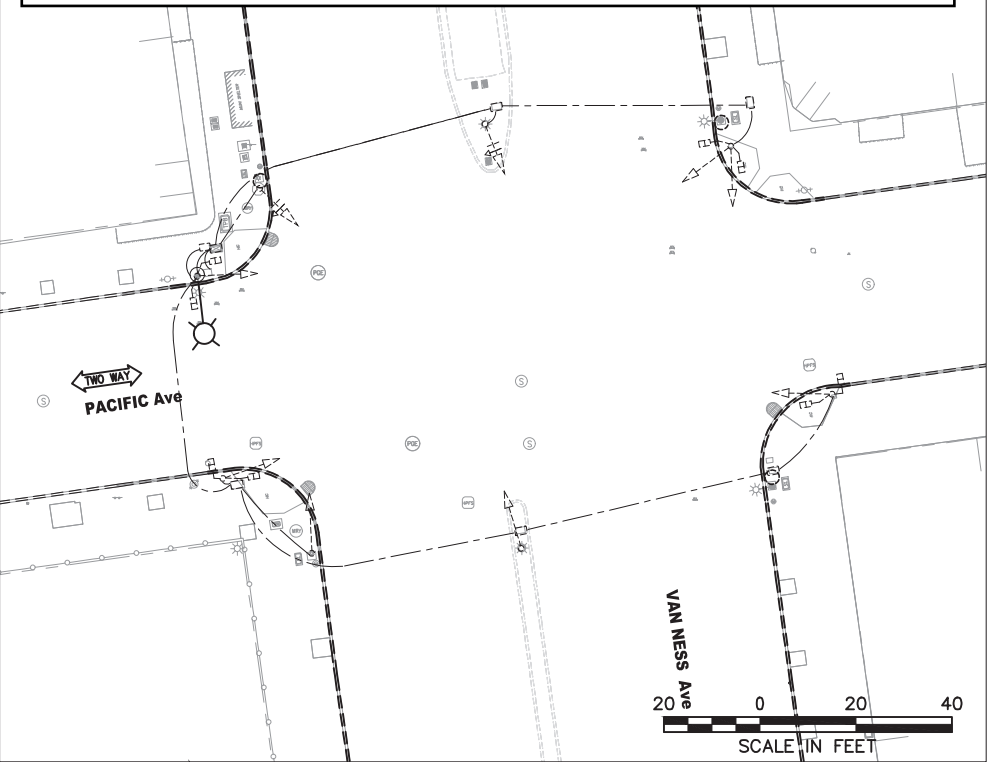
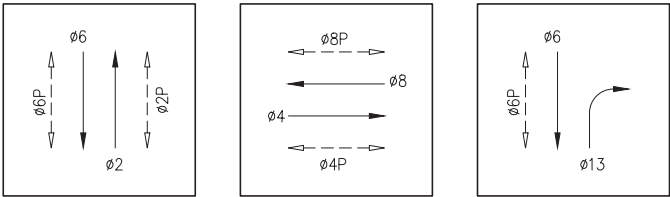


4/30/21 Traffic Signal Switchover
9:45am Dark, 10:06am Emergency Flash, 10:08am 3-color. APS
not installed yet.

Staff
Ken Kwong (TE), Phong Nguyen (Signal Shop), Dennis Verhalen
(Signal Shop), Cameron Peters (Phoenix), Wilson Lew (Phoenix)

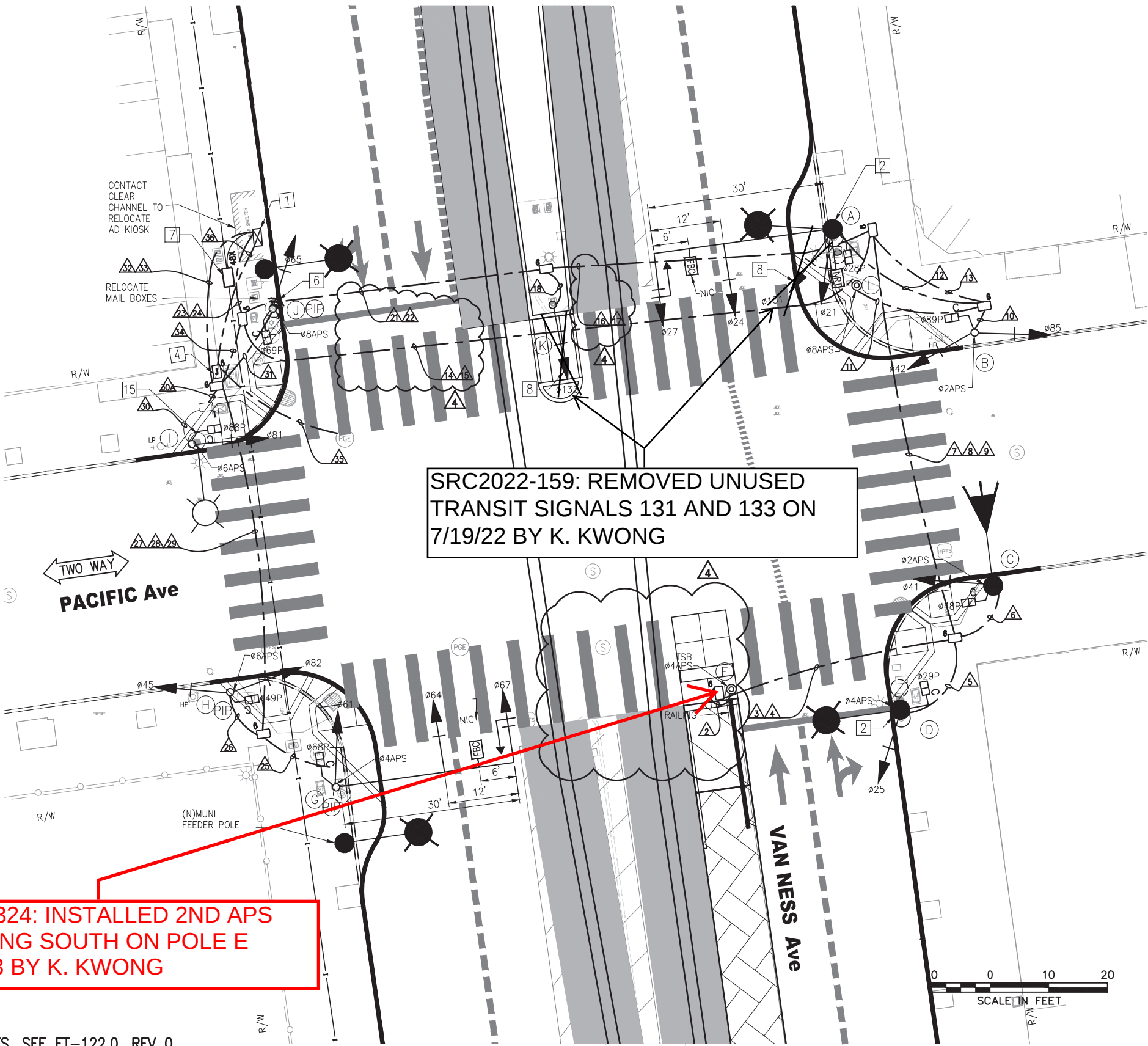


EXISTING EQUIPMENT



PHASE DIAGRAM

SRC2022-324: INSTALLED 2ND APS
UNIT FACING SOUTH ON POLE E
ON 1/19/23 BY K. KWONG



SRC2022-159: REMOVED UNUSED
TRANSIT SIGNALS 131 AND 133 ON
7/19/22 BY K. KWONG

T:\T_E_FILES\SP\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09 2021 - 12:16 pm

4	11/10/20	CONFORMED SET: UPDATED W/RFI #706, #932	KK	MV	CL
SK	8/12/19	RFI #706 TSB RELOCATED	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	8/10/18	POLE LAYOUT - NEW PPB POLE L FOR 08APS, MOVED IC TO VAN NESS SIDE, AND PER POLE LAYOUT WALKTHRU	KK	MV	CL
1	03/2018	MOVED NRT TO POLE ITSELF, ADDED FBC SIGNS ON POLES A AND H; RELOCATED APS TO RENAMED POLE B; UPDATED CONDUITS AND PULLBOXES NEAR RENAMED SL POLE I; ADDED TYPE 6X PULLBOX	KK	MV	CL
NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
REVISIONS					

FOR ORIGINAL SIGNATURES, SEE ET-122.0, REV 0

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
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PACIFIC AVENUE
TRAFFIC SIGNAL WORK

1289

ET-122.0

ET-204

REVISION

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F:\T.E. FILES\Spgo\Projects\Van Ness BR\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:16 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 & OCS COMBO POLE	30	2100 210	21 24 27 131	3S12" 3S12" 3S12"GUA 3S12"RB	SV-1-T MAS MAS SV-1-T	T T T T		28	1S-COUNT	SP-1	-	STRAIGHT HORIZ. SIGNAL MA MOUNT AT 21' HIGH SIGNAL Ø131 MOUNT @ 18' HIGH SEE ST PLANS FOR POLE DETAILS "NO RIGHT TURN" BLANK-OUT SIGN APS ① TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
Ⓑ	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS ①
Ⓒ	NEW SL (CITY STD)	-	163	41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	-	APS ①
Ⓓ	SIGNAL, SL & OCS COMBO POLE	-	2092 208	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	-	APS ①
Ⓔ	PPBP POLE	-		-	-	-	-		-	-	-	-	APS x2 ① TSB KEY BOX - CITY TO INSTALL ABOVE APS UNIT ④
Ⓕ	NOT USED ④	-		-	-	-	-		-	-	-	-	TSB ④
Ⓖ	SPECIAL MAST ARM POLE (18-4-100)	30		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 ① TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS PIP - INSTALL NEW POLE IN PLACE OF EXISTING SL POLE
Ⓗ	1-A (10')	-		45 82	3S12" 3S12"	TV-2-T	T T		49	1S-COUNT	SP-1	-	APS ① PIP - INSTALL NEW POLE IN PLACE OF EXISTING TS POLE
Ⓘ	EXISTING SL	-		81	3S12"	SV-1-T	T		88	1S-COUNT	SP-1	-	APS ①
Ⓙ	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	APS ① TSP ② PIP - INSTALL NEW POLE IN PLACE OF EXISTING SL POLE
Ⓚ	1-A (10')	-		133	3S12"RB	TV-1-T	T		-	-	-	-	
Ⓛ	PPB POLE	-		-	-	-	-		-	-	-	-	APS ①

MOUNT SIGNAL 27 BETWEEN YELLOW AND GREEN ④

MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN ④

*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.

SRC2022-324: INSTALLED 2ND APS UNIT FACING SOUTH ON POLE E ON 1/19/23 BY K. KWONG

SRC 2022-159: REMOVED UNUSED TRANSIT SIGNALS 131 AND 133 ON 7/19/22 BY K. KWONG

FOR ORIGINAL SIGNATURES, SEE ET-122.1, REV 0

4	11/10/20	CONFORMED SET: UPDATED W/RFI #706, #998	KK	MV	CL
SK	8/12/19	RFI #706 TSB RELOCATED	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	8/10/18	POLE LAYOUT - NEW PPB POLE L FOR #8APS & PER LAYOUT WALKTHROUGH	KK	MV	CL
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT; UPDATED POLES A AND H; RELOCATED APS TO RENAMED POLE B; ADDED FBC TENON NOTE	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

PACIFIC AVENUE
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289

ET-122.1

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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	25	26	27	28	29	30	31	32	33	34	35	36
CONDUIT SIZE (INCH)	1	2	2	2	2	2	2	2	2	2	1	2	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2	3	2
TSB ON POLE E							2							2																						
APS PPB FOR XING VAN NESS SS ON POLE E							4							4																						
VEHICLE SIGNAL Ø25					3		3							3										3												
PED SIGNAL Ø29P					2		2							2										2												
APS PPB FOR XING VAN NESS SS ON POLE D					2		2							2										2												
VEHICLE SIGNAL Ø41						3	3							3										3												
PED SIGNAL Ø48P						2	2							2										2												
APS PPB FOR XING PACIFIC ES ON POLE C						2	2							2										2												
VEHICLE SIGNAL Ø42										3			3		3										3											
VEHICLE SIGNAL Ø85										3			3		3										3											
PED SIGNAL Ø89P										2			2		2										2											
APS PPB FOR XING PACIFIC ES ON POLE B										2			2		2										2											
TRANSIT SIGNAL Ø131												3	3		3										3											
VEHICLE SIGNAL Ø21												3	3		3										3											
VEHICLE SIGNAL Ø24												3	3		3										3											
VEHICLE SIGNAL Ø27												3	3		3										3											
PED SIGNAL Ø28P												2	2		2										2											
APS PPB FOR XING VAN NESS NS ON POLE A												2	2		2										2											
TRANSIT SIGNAL Ø133																		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 ON POLE G																									2		2						2			
VEHICLE SIGNAL Ø45																										3	3							3		
VEHICLE SIGNAL Ø82																										3	3							3		
PED SIGNAL Ø49P																										2	2							2		
APS PPB FOR XING PACIFIC WS ON POLE H																										2	2							2		
VEHICLE SIGNAL Ø81																																			3	3
PED SIGNAL Ø88P																																			2	2
APS PPB FOR XING PACIFIC WS ON POLE I																																			2	2
VEHICLE SIGNAL Ø65																																			3	3
PED SIGNAL Ø69P																																			2	2
APS PPB FOR XING VAN NESS NS ON POLE J																																			2	2
APS PPB FOR XING VAN NESS NS ON POLE L											2		2		2																					
#14 NEUTRAL					2	2				2		4														4	2					2	2	2		
#14 SPARE							3							3	3	3											3							3		
TOTAL #14 WIRES					9	9	23			12	2	17	28	23	28																				40	
#10 WIRES NEUTRAL							1							1	1	1																				
#4 WIRES (120 V SERVICE)																																				
#8 WIRES (120 V SERVICE)																																				
#6 BSCW (SEE GENERAL NOTE 10)																																				
TSP RECEIVER (10 CONDUCTOR CABLE)																																			1	1
NO RIGHT TURN EMS WIRES (1#14, 1#10 & 1#6 GROUND)												1	1		1																					

SRC2022-324: INSTALLED 2ND
APS UNIT FACING SOUTH ON
POLE E ON 1/19/23 BY K. KWONG

SRC 2022-159: REMOVED
UNUSED TRANSIT SIGNALS 131
AND 133 ON 7/19/22 BY K.
KWONG

FOR ORIGINAL SIGNATURES, SEE ET-122.2, REV 0

4	11/10/20	CONFORMED SET AND UPDATED W/RFI #591, #706, #932	KK	MV	CL
SK	8/12/19	RFI #706 TSB RELOCATED	KK	MV	CL
	7/18/19	LATEST DRAWING	KK	MV	CL
2	8/10/18	POLE LAYOUT - NEW PPB POLE L FOR #8APS, ADDED CONDUIT RUN 11, AND ADDED APS WIRES BACK TO IC	KK	MV	CL
1	03/2018	RELOCATED APS TO POLE C AND ADDED CONDUIT RUN 30A & WIRES	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



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MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PACIFIC AVENUE CONDUIT & WIRING SCHEDULES

1289

ET-122.2	
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