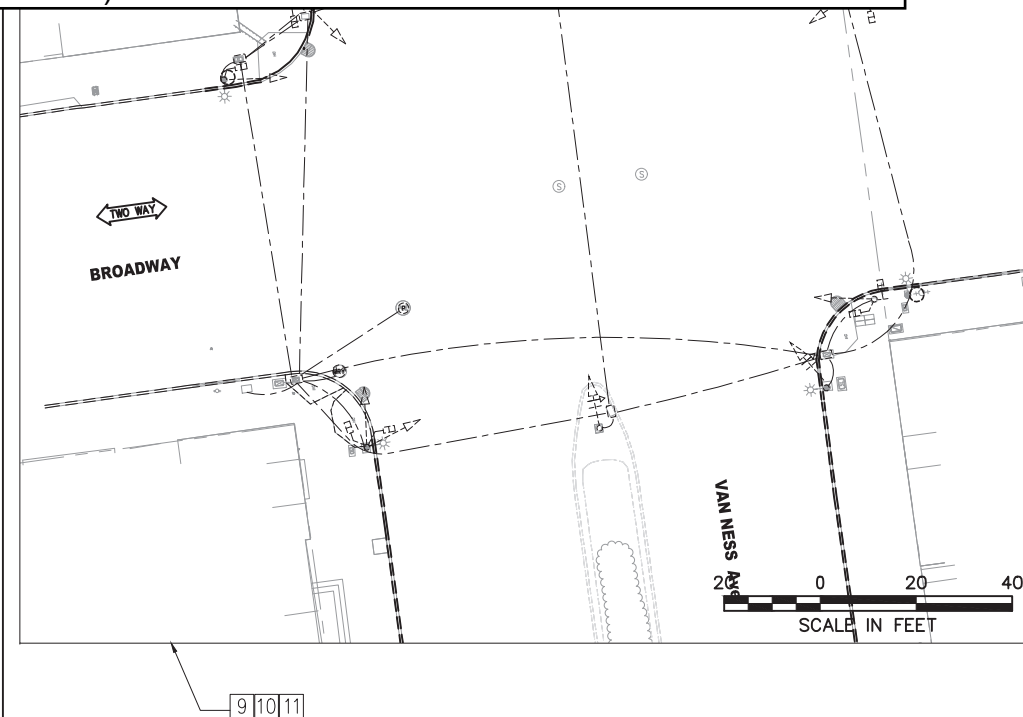


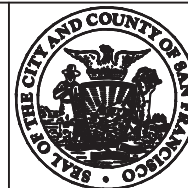
Staff
Ken Kwong (TE), Manito Velasco (TE), Dusson Yeung (TE),
Robbie Donohoe (Signal Shop), Danny Guevara (Signal Shop),
Glenn Wilson (CPC), Cameron Peters (Phoenix), Wilson Lew
(Phoenix)



PHASE DIAGRAM

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
4	11/10/20	CONFORMED SET: UPDATED W/RFI #932	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
SK	2/15/19	ADD RED LIGHT CAMERA POLES M & N, DELETE CONDUITS 37, 42, & 43. ADD CONDUITS 44, 45, 46, 47. ADD RED LIGHT CAMERA HARDWARE & WIRING.	JH	GD	
2	8/10/18	POLE LAYOUT – MOVE SIGNAL 41, PED SIGNAL 48, #2APS ONTO NEW 1-A POLE IN FRONT OF MA POLE D, & PER ALPINE WALKTHROUGH			
1	03/2018	ADDED FBC SIGN ON POLE A AND F, UPDATED POLE A MA LENGTH; ADD SIGNALS 32 AND 34, RELOCATED SIGNAL 84, UPDATED PHASE DIAG.; ADDED TYPE 6X PB	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



APPROVED

for the DIRECTOR OF TRANSPORTATION

BROADWAY
TRAFFIC SIGNAL WORK

ET-123.0

ET-204

REVISION

5

T:\E-FILES\SF\proj\Projects\Van Ness BRT\Signal Design\CAUD\ CP16401EBS - 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	25	2200 222	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 AT 18' HIGH SEE ST PLANS FOR POLE DETAILS "NO RIGHT TURN" BLANK-OUT SIGN TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
Ⓑ	PPBP POLE	-		-	-	-	-		-	-	-	-	APS Ⓐ
Ⓒ	1-A(10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS Ⓐ
Ⓓ	17-2-100	20	155	44	3S12"	MAS	T		-	-	-	-	
Ⓔ	SIGNAL, SL & OCS COMBO POLE	-	2160 218	12 25 152	3S12"LA 3S12" 3S12"LB	SV-2-TA SV-1-T	T T T		29	1S-COUNT	SP-1	-	APS Ⓐ SIGNAL Ø152 ON TOP OF Ø12 AT 15' HIGH
Ⓕ	1-A(13')	-		153	3S12"LB	TV-1-T	T		-	-	-	-	TSB NO LEFT TURN BLANK OUT SIGN
Ⓖ	SPECIAL MAST ARM POLE	35		14 17 61 64	3S12"LA 3S12"LA 3S12" 3S12"	MAS MAS SV-1-T MAS	T T T T		68	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH SEE ST-103 FOR POLE DETAILS APS Ⓐ TSP Ⓐ TRAFFIC CAMERA Ⓐ PIP - INSTALL NEW POLE IN PLACE OF EXISTING SL POLE
Ⓗ	1-A(10')	-		32 45	4S12"GUA 3S12"	TV-2-T	T T		49	1S-COUNT	SP-1	-	APS Ⓐ IN-LINE WITH SEWER VENT; OFFSET ANCHOR BOLTS EAST
Ⓘ	19-3-100	30	162	34 81 84	4S12"GUA 3S12" 3S12"	MAS SV-1-T MAS	T T T		88	1S-COUNT	SP-1	-	APS Ⓐ PIP - INSTALL NEW POLE IN PLACE OF EXISTING SL POLE
⓵	1-A(10')	-		65	3S12"	TV-1-T	T	LOUVER ON GREEN BALL	69	1S-COUNT	SP-1	-	APS Ⓐ PIP - INSTALL NEW POLE IN PLACE OF EXISTING OCS/SL POLES
Ⓚ	1-A(10')	-		133 157	3S12"RB 2S12"	TV-2-T	T T		-	-	-	-	TSB
Ⓛ	1-A(10')			41	3S12"	TV-1-T	T		48	1S-COUNT	SP-1		APS Ⓐ
Ⓜ	REAR RED LIGHT CAMERA POLE												F/I POLE FOUNDATIONS, INSTALL CITY FURNISHED RED LIGHT CAMERA POLES, CAMERAS, STROBES, CABINETS, AND OTHER ANCILLARY HARDWARE, REFER TO REFERENCE DRAWINGS: 2855J SHEETS E-7.1, E-7.2, E-14.0, E-14.1, E-14.3
Ⓝ	FRONT RED LIGHT CAMERA POLE												

*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.

5 2/12/22 ADDED SIG 157. NLT BLANK-OUT. LOUVERS KK MV CL

4	11/10/20	CONFORMED SET: UPDATED W/RFI #998	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
SK	2/15/19	ADDED RED LIGHT CAMERA POLES M & N.	JH	GD	
2	8/10/18	POLE LAYOUT - MOVE SIGNAL 41, PED SIGNAL 48, #2APS ONTO NEW 1-A POLE IN FRONT OF MA POLE D PER LAYOUT WALKTHROUGH.			
1	03/2018	ADDED FLASHING BUS COMING SIGN ON POLE F; ADDED SIGNALS 32 AND 34, UPDATED POLE I; ADDED BLANK OUT SIGN NOTE ON SPECIAL REQUIREMENTS; UPDATED POLES A AND G; ADDED FBC TENON NOTE	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

FOR ORIGINAL SIGNATURES, SEE ET-123.1. 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		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		
BROADWAY		ET-123.1
CONDUCTOR POLE AND EQUIPMENT SCHEDULES		ET-204

REVISION

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MOUNT SIGNAL 27 BETWEEN YELLOW AND GREEN ⚠

MOUNT SIGNAL 17 BETWEEN YELLOW AND GREEN ⚠

4

4 #10 WIRES NEUTRAL
#4 WIRES (120 V SERVICE)
#8 WIRES (120 V SERVICE)

1. IN CONDUIT RUNS 36 TO 43, THE CONTRACTOR SHALL F/1 2#8 AWG STRANDED COPPER CONDUCTORS WITH TYPE UF INSULATION (ONE WIRE SHALL BE BLACK AND OTHER SHALL BE WHITE). 1#10 AWG STRANDED WIRE WITH GREEN INSULATION.

4

BORDER REVISED 11/17/05

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



for the DIRECTOR OF TRANSPORTATION

1289

REVISION

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