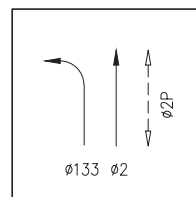
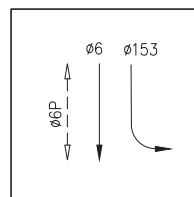
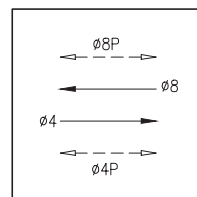
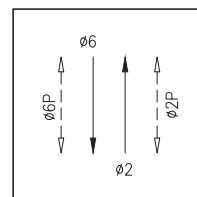
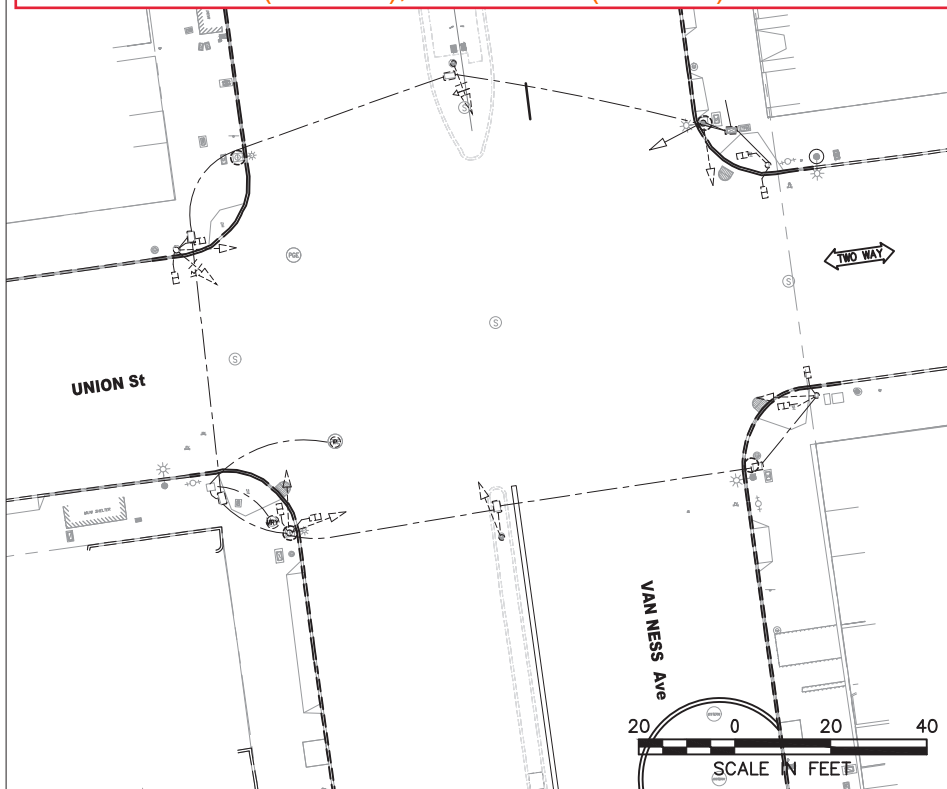


9:03am Dark, 9:33am Emergency Flash, 9:38am 3-color. APS not installed yet. Transit Signals 132, 133, 152, and 153 Bagged.

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



FOR ORIGINAL SIGNATURES, SEE ET-126.0, REV 0

3	11/10/20	CONFORM SET: UPDATED W/RFI#527R,#932; FM#524, #587	KK	MV	CL
SK	10/13/20	PER POLE LAYOUT: POLE N AND ASSOCIATED PBOX.	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/29/19	RFI#527 REVISE RESPONSE:REV. POLE C, D, E, H, O, & P	KK	MV	CL
SK	10/18/18	PER POLE LAYOUT:NEW PPB POLE P & ADJUSTED OTHER POLES PER LAYOUT WALKTHROUGH	KK	MV	CL
1	03/2018	ADDED FBC SIGNS ON POLES A AND I; RELOCATED POLE B; ADDED TYPE 6X PULLBOX	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



for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM	1289	
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		
UNION STREET TRAFFIC SIGNAL WORK	ET-126.0	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	35	2500 252	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 23.5' HIGH SEE ST PLANS FOR POLE DETAILS TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(B)	PPBP POLE	-		-	-	-	-		-	-	-	-	APS 1
(C)	NOT USED	-		-	-	-	-		-	-	-	-	
(D)	NOT USED	-		-	-	-	-		-	-	-	-	
(E)	SL POLE (SEE SL-PLANS)	-		41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	-	APSx2 1
(F)	SIGNAL, SL & OCS COMBO POLE	-	2454 246	25 152	3S12" 3S12"LB	SV-2-TA	T T		29	1S-COUNT	SP-1	-	APS 1
(G)	1-A (10')	-		153	3S12"LB	TV-1-T	T		-	-	-	-	APS 1 TSB KEY BOX - CITY TO INSTALL ABOVE APS UNIT
(H)	NOT USED	-		-	-	-	-		-	-	-	-	
(I)	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 23.5' HIGH APS 1 TRAFFIC CAMERA 3 TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(J)	1-A (10')	-		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	-	APS 1
(K)	SIGNAL & OCS COMBO POLE	-	1502	46 81	3S12" 3S12"	SV-2-TA	T		88	1S-COUNT	SP-1	-	
(L)	PPBP POLE	-		-	-	-	-		-	-	-	-	APS 1
(M)	1-A (10')	-		65 132	3S12" 3S12"LB	TV-2-T	T T		69	1S-COUNT	SP-1	-	APS 1 TSP 2 PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE
(N)	1-A (10')	-		133	3S12"LB	TV-1-T	T		-	-	-	-	APS 1 TSB KEY BOX - CITY TO INSTALL ABOVE APS UNIT
(O)	NOT USED	-		-	-	-	-		-	-	-	-	
(P)	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS 1

MOUNT SIGNALS 27 BETWEEN YELLOW AND GREEN 3

MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN 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.

FOR ORIGINAL SIGNATURES, SEE ET-126.1, REV 0

3	11/10/20	CONFORMED SET: UPDATED W/RFI #527R & 998; FM#324	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/29/19	RFI#527 REVISE RESPNSE:REV. POLE C, D, E, H, O, & P	KK	MV	CL
SK	10/18/18	PER POLE LAYOUT: ADD PPB POLE P & PIP FOR POLE M	KK	MV	CL
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT;	KK	MV	CL
		UPDATED POLES A AND I; ADDED FBC TENON NOTE			
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

1289

UNION STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

ET-126.1

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REVISION

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CONDUIT AND WIRING SCHEDULE

CONDUIT RUN NUMBER	1	2	3	3A	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	37	38	39
CONDUIT SIZE (INCH)	2	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	2	3	2	2	3	2	
						SP	SP								SP	SP	GRS			SP		SP	GRS			SP					SP	SP				SP	SP			
VEHICLE SIGNAL Ø21	3				3							3						3			3																			
VEHICLE SIGNAL Ø24	3				3							3						3			3																			
VEHICLE SIGNAL Ø27	3				3							3						3			3																			
PED SIGNAL Ø28P	2				2							2						2			2																			
APS PPB FOR XING VAN NESS NS ON POLE B		2			2							2						2			2																			
VEHICLE SIGNAL Ø42			3	3	3							3						3			3																			
VEHICLE SIGNAL Ø85				3	3							3						3			3																			
PED SIGNAL Ø89P			2	2	2							2						2			2																			
APS PPB FOR XING UNION ES ON POLE P				2	2							2						2			2																			
VEHICLE SIGNAL Ø41							3	3			3		3						3			3																		
PED SIGNAL Ø48P								2			2		2						2			2																		
APS PPB FOR XING UNION ES ON POLE E								2			2		2						2			2																		
TRANSIT SIGNAL Ø152									3	3		3							3			3																		
VEHICLE SIGNAL Ø25									3	3		3							3			3																		
PED SIGNAL Ø29P									2	2		2							2			2																		
APS PPB FOR XING VAN NESS SS ON POLE F									2	2		2							2			2																		
TRANSIT SIGNAL Ø153																3		3		3		3																		
APS PPB FOR XING VAN NESS SS ON POLE G																2		2		2		2																		
TSB ON POLE G																2		2		2		2																		
TSB ON POLE N																																								
TRANSIT SIGNAL Ø133																																								
APS PPB FOR XING VAN NESS NS ON POLE N																																								
TRANSIT SIGNAL Ø132																																								
VEHICLE SIGNAL Ø65																																								
PED SIGNAL Ø69P																																								
APS PPB FOR XING VAN NESS NS ON POLE M																																								
VEHICLE SIGNAL Ø46																																								
VEHICLE SIGNAL Ø81																																								
PED SIGNAL Ø88P																																								
APS PPB FOR XING UNION WS ON POLE L																																								
VEHICLE SIGNAL Ø82																																								
PED SIGNAL Ø49P																																								
APS PPB FOR XING UNION WS ON POLE J																																								
VEHICLE SIGNAL Ø61																																								
VEHICLE SIGNAL Ø64																																								
VEHICLE SIGNAL Ø67																																								
PED SIGNAL Ø68P																																								
APS PPB FOR XING VAN NESS SS ON POLE I																																								
#14 NEUTRAL	4			2					2	3							1												3	2					2	4				
#14 SPARE					3						3	3	3					3	3			3									3				3	3				
TOTAL #14 WIRES	15	2		12	26				9	13	20	26	20				8		26	27	7		26	27		7	10		13	10	2	30		9	17	30	23			
#10 WIRES NEUTRAL					1						1	1	1						1	2	1		1	2		1	1				2				2	1				
#4 WIRES (120 V SERVICE)																																								
#8 WIRES (120 V SERVICE)																																								
#6 BSCW (SEE GENERAL NOTE 10)																																								
TSP RECEIVER (10 CONDUCTOR CABLE)																																								
CCTV CAMERA WIRES (CAT6)																																								

FOR ORIGINAL SIGNATURES, SEE ET-126.2, REV 0

2	11/10/20	CONFORMED SET: UPDATED W/ RFI#527R, 591, 932, 948	KK	MV	CL
1	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/29/19	RFI#527 REVISE RESPONSE: REV. POLE C, D, E, H, O, & P	KK	MV	CL
SK	10/18/18	PER POLE LAYOUT: ADDED PPB POLE P	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/C. LU
REVIEWED	C. LU
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

UNION STREET
CONDUIT & WIRING SCHEDULES

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REVISION

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