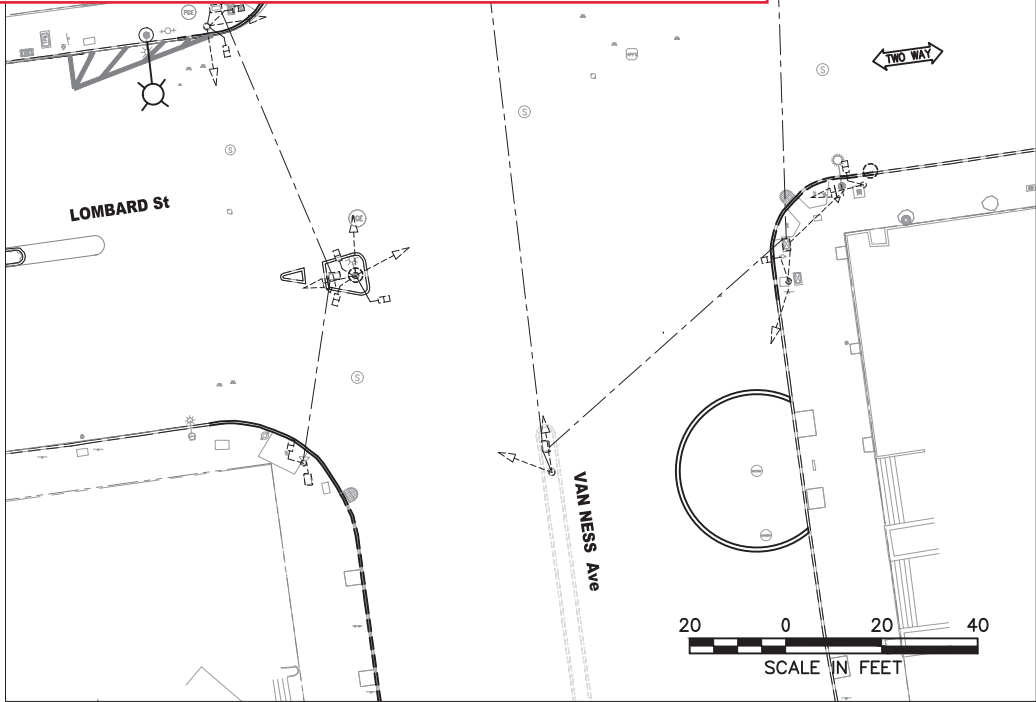


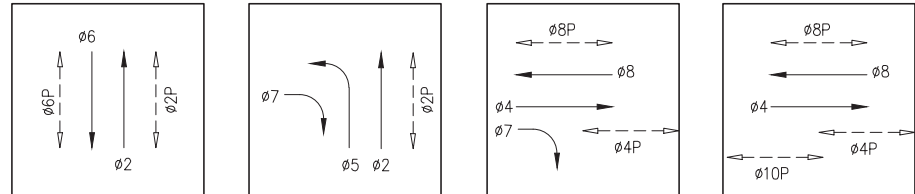
11/10/21 Traffic Signal Switchover
9:28am Dark, 9:45am Emergency Flash, 10:36am 3-color. APS
not activated, since NE and SE corner curb ramps not completed
yet.

Staff

Ken Kwong (TE), Michael Tamin (TE), Garnet Wing (TE), Robbie
Donohoe (Signal Shop), Dennis Verhalen (Signal Shop), Edson
Simmons (CM), Cameron Peters (Phoenix), Wilson Lew
(Phoenix), Christian Ponio (Walsh)



EXISTING EQUIPMENT



PHASE DIAGRAM

NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
7	11/10/20	CONFORMED SET: UPDATED WITH RFI #32	KK	MV	CL
6	10/27/20	PCC - ADDED SOUTHSIDE MEDIAN PED SIGNALS AND APS	KK	MV	CL
5	7/17/20	FM#364 - LOMBARD EBRT SIGS 3S12RA = 75, 77, & 71.	KK	MV	CL
4	12/16/19	POLE H IS 1A, MA MOVED TO NEW POLE J ON MEDIAN, & NEW CONDUIT RUN TO THE NORTH MEDIAN	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	1/22/19	RFI#583: POLE A, B, C, H, & I PER LAYOUT; APS UPDATE	KK	MV	CL
1	03/2018	UPDATED SIGNAL 24 TO 3S12*GUA; ADDED FBC SIGN ON POLE E; REMOVED BBS; COMBINED SL WITH POLE C	KK	MV	CL

FOR ORIGINAL SIGNATURES, SEE ET-129.0, 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

LOMBARD STREET
TRAFFIC SIGNAL WORK

1289

ET-129.0

ET-204

REVISION

7

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

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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	VSORS	LOUVERS	No.	TYPE	MOUNTING		
(A)	SPECIAL MAST ARM POLE	40		21 24 54 57	3S12" 3S12"GUA 3S12"LA 3S12"LA	SV-1-T MAS MAS MAS	T T T T		28	1S-COUNT	SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 22.5' HIGH SEE ST PLANS (ST-103 r.1 PER RFI#583) FOR POLE DETAILS APS 1 PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE
(B)	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS 1
(C)	17-2-100	10		44 71	3S12" 3S12"RA	MAS SV-1-T	T T		48	1S-COUNT	SP-1	-	APS 1 CONTRACTOR TO CONTACT USPS TO RELOCATE MAIL BOX
(D)	SIGNAL, SL & OCS COMBO POLE	-	2790 278	25 77	3S12" 3S12"RA	SV-2-TA	T		29	1S-COUNT	SP-1	-	APS 1
(E)	SPECIAL MAST ARM POLE (19-4-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		-	-	-	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS
(F)	1-A (7')	-		-	-	-	-		68	1S-COUNT	TP-1	-	
(G)	1-A (10')	-		75 82	3S12"RA 3S12"	TV-2-T-SFA	T		109	1S-COUNT	SP-1	-	APS x2 1
(H)	1-A (10')	-		81	3S12"	TV-1-T	T		88	1S-COUNT	SP-1	-	APS 1 PIP - INSTALL NEW POLE IN PLACE OF EXISTING POLE
(I)	1-A (10')	-		52 65	3S12"LA 3S12"	TV-2-T-SFA	T T		69	1S-COUNT	SP-1	-	APS 1 TSP 2
(J)	18-2-100	25		84	3S12"	MAS	T						TRAFFIC CAMERA 3
(K)	1-A (10')	-		73	3S12"RA	TV-1-T	T		49	1S-COUNT	SP-1	-	APS 1
(L)	1-A (10')	-		-	-	-	-		108	1S-COUNT	SP-1	-	APS 1

MOUNT SIGNAL 57 BETWEEN YELLOW AND GREEN

MOUNT SIGNAL 67 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.

- 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-129.1, REV 0

7	11/10/20	CONFORMED SET: UPDATED WITH RFI #998	KK	MV	CL
6	10/27/20	PCC - ADDED SOUTHSIDE MEDIAN PED SIGNALS AND APS	KK	MV	CL
5	7/17/20	FM#364 - LOMBARD EBRT SIGS 3S12RA = 75, 77, & 71.	KK	MV	CL
4	12/16/19	POLE H IS 1A & MA MOVED TO NEW POLE J ON MEDIAN	KK	MV	CL
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	1/22/19	RFI #583: POLE A & H PER POLE LAYOUT	KK	MV	CL
1	03/2018	UPDATED SIGNAL 24 TO 3S12"GUA; UPDATED POLES A AND E; ADDED FBC TENON NOTE	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED	K. KWONG
DRAWN	K. KWONG
CHECKED	R. ZAMORA/G. LUU
REVIEWED	C. LUU
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

1289

LOMBARD STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

ET-129.1

ET-204

REVISION

7

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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	16A	16B	16C	16D	17	18	19	20	21	22	23	24	25	26	27		
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2		
				SP	SP						SP	SP							SP					SP	SP			SP	SP				
VEHICLE SIGNAL 025	3		3						3																								
VEHICLE SIGNAL 077	3		3						3																								
PED SIGNAL 029P	2		2						2																								
APS PPB FOR XING VAN NESS SS ON POLE D	2		2						2																								
VEHICLE SIGNAL 071									3																								
VEHICLE SIGNAL 044		3	3						3																								
VEHICLE SIGNAL 85		3	3			3		3	3																								
PED SIGNAL 048P		2	2						2																								
APS PPB FOR XING LOMBARD ES ON POLE C		2	2						2																								
VEHICLE SIGNAL 042						3		3		3																							
PED SIGNAL 089P						2		2		2																							
VEHICLE SIGNAL 021							3	3		3																							
VEHICLE SIGNAL 024							3	3		3																							
VEHICLE SIGNAL 054							3	3		3																							
VEHICLE SIGNAL 057							3	3		3																							
PED SIGNAL 028P							2	2		2																							
APS PPB FOR XING VAN NESS NS ON POLE A							2	2		2																							
APS PPB FOR XING LOMBARD ES ON POLE B						2		2		2																							
VEHICLE SIGNAL 061																3						3						3					
VEHICLE SIGNAL 064																3						3						3					
VEHICLE SIGNAL 067																3						3						3					
PED SIGNAL 068P																	2																
APS PPB FOR XING VAN NESS SS ON POLE G																						2	2					2					
VEHICLE SIGNAL 075																						3	3					3					
VEHICLE SIGNAL 082																						3	3					3					
PED SIGNAL 0109P																						2	2					2					
APS PPB FOR XING LOMBARD WS ON POLE G																						2	2					2					
VEHICLE SIGNAL 081																									3			3					
VEHICLE SIGNAL 084																																	
PED SIGNAL 088P																																	
APS PPB FOR XING LOMBARD WS ON POLE H																																	
APS PPB FOR XING VAN NESS NS ON POLE I																																	
VEHICLE SIGNAL 052																																	
VEHICLE SIGNAL 065																																	
PED SIGNAL 069P																																	
PED SIGNAL 049P																																	
APS PPB FOR XING VAN NESS SS EAST ON POLE K																																	
PED SIGNAL 0108P																																	
VEHICLE SIGNAL 073																																	
APS PPB FOR XING VAN NESS SS WEST ON POLE L																																	
#14 NEUTRAL	2	4				2	5									1					3	1					3	2					
#14 SPARE			3						3	3	3																						
TOTAL #14 WIRES	12	14	23			12	21	29	26	26		26	29	3		4	29	26	12	3	14		5	9	14	26	11		13	12	54		
#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)																																	
CCTV CAMERA WIRES																																	

7	11/10/20	CONFORMED SET: UPDATED WITH RFI #932 & #948	KK	MV	CL
6	10/27/20	PCC - ADDED SOUTHSIDE MEDIAN PED SIGNALS AND APS	KK	MV	CL
5	7/17/20	FM#364 - LOMBARD EBRT SIGS 3512RA = 75, 77, & 71.	KK	MV	CL
4	12/16/19	MOVE MA WITH SIG 84 TO MEDIAN & NEW CONDUIT TO	KK	MV	CL
		THE NORTH MEDIAN			
3	7/18/19	LATEST DRAWING	KK	MV	CL
2	1/22/19	RFI #583: POLE B & I W/ APS & RFI #591: SERV WIRES	KK	MV	CL
1	03/2018	REMOVED BBS	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



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FOR ORIGINAL SIGNATURES, SEE ET-129.2, REV 0

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		
LOMBARD STREET CONDUIT & WIRING SCHEDULES		ET-129.2
		REVISION
		ET-204
		7