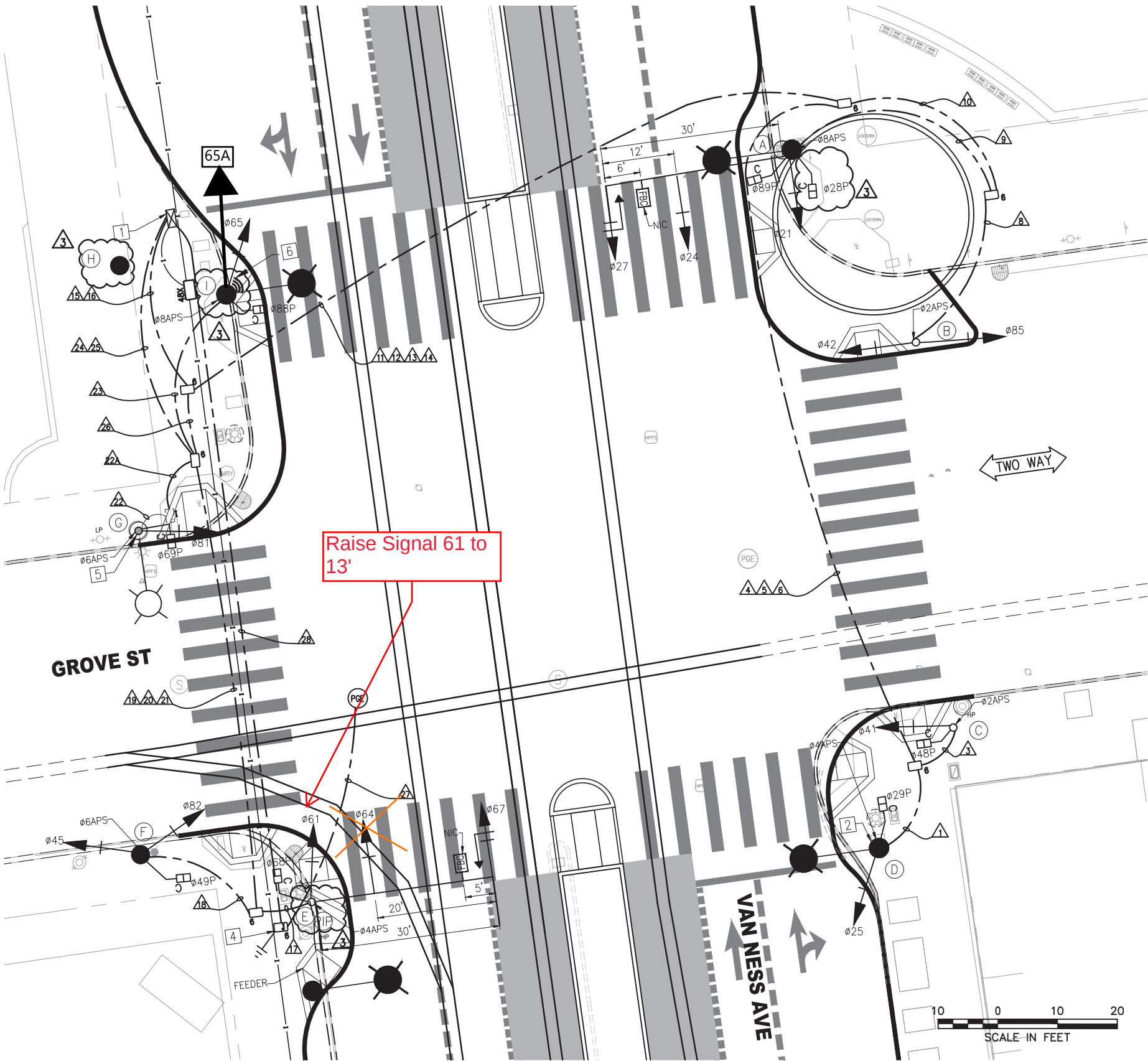


5/25/21 Traffic Signal Switchover
10:17 Dark, 10:31am Emergency Flash, 10:35am 3-color. APS
not installed yet.

Staff
Ken Kwong (TE), Manito Velasco (TE), Glenn Wilson (CP&C),
Phong Nguyen (Signal Shop), Dennis Verhalen (Signal Shop),
Cameron Peters (Phoenix), Wilson Lew (Phoenix), Christian
Ponio (Walsh)



EXISTING EQUIPMENT



5 11/6//2023 RAISED SIGNAL 61 TO 13' HIGH AL ET

4 10/31/21 ADDED SIG 65A
ON POLE I. SIG 64
REMOVED BY
CONTRACTOR.
REV/CHK/APP - KK/MV/CL

ORIGINAL SIGNATURES, SEE ET-105.0, REV 0

SK	9/25/20	RFI #975 - ADDED PED SIGNAL 28P ON POLE A	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/3/19	RFI #564 - POLE I IS A SL POLE & POLE H ADJUSTED	KK	MV	CL
SK	11/2/18	LAYOUT-POLE I: 1-A W/ SIGNALS 65 & 88P, ADJUST	KK	MV	CL
		POLE E & MA LENGTH, & POLE F COMBINED W/OCS POLE			
1	03/2018	ADDED FBC SIGNS ON POLES A AND G; REVISED POLE B	KK	MV	CL
		TO A 1-A POLE; REMOVED BBS			
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

GROVE STREET
TRAFFIC SIGNAL WORK

1289

ET-105.0

ET-204

REVISION

5

I:\T_E_FILES\SP\Projects\Van Ness BRT\Signal Design\CADD\ CPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09 2021 - 12:13 pm
BORDER REVISED 11/17/05

F:\T.E. FILES\Spgo\Projects\Van Ness BR\Signal Design\CADD\OPTB401ETBS - 100% Rev. 3-3-21.dwg KKWONG Tue Mar 09,2021 - 12:13 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		
A	SIGNAL, SL & OCS COMBO POLE	30	300 32	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		28 89	1S-COUNT 1S-COUNT	SP-1 SP-1	-	STRAIGHT HORIZONTAL SIGNAL MA MOUNT AT 21' HIGH SEE ST PLANS FOR POLE DETAILS APS TENON FOR FUTURE FBC MIDWAY BETWEEN MAS SIGNALS MOUNT SIGNAL 27 BETWEEN YELLOW AND GREEN
B	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		-	-	-	-	APS
C	1-A (10')	-		41	3S12"	TV-1-T	T		48	1S-COUNT	SP-1	-	APS
D	SIGNAL, SL & OCS COMBO POLE	-	260 28	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	-	APS
E	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 TENON FOR FUTURE FBC MIDWAY BEWTEEN MAS SIGNALS
F	SIGNAL & OCS COMBO POLE	-	203	45 82	3S12" 3S12"	SV-2-TA	T		49	1S-COUNT	SP-1	-	APS
G	EXISTING SL/OCS	-	214	81	3S12"	SV-1-T	T		69	1S-COUNT	SP-1	-	APS
H	NOT USED	-	303	-	-	-	-		-	-	-	-	
I	SL POLE (SEE SL-PLANS)	-	31	65	3S12"	SV-1-T	T		88	1S-COUNT	SP-1	-	APS TSP
					65A 3S12"	SV-1-T-36"	T						

MOUNT SIGNAL 67 BETWEEN YELLOW AND GREEN
PIP - INSTALL POLE IN PLACE OF EXISTING POLE

Signal 61 mounted at 13' high

SIGNAL 65A AT 15' HIGH ON ROADWAY SIDE.

*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 11/6//2023 RAISED SIGNAL 61 TO 13' HIGH AL ET

4 10/31/21 ADDED SIG 65A ON POLE I. SIG KK MV CL

64 REMOVED BY CONTRACTOR.

SK	8/25/20	RFI #975 - ADDED PED SIGNAL 28P ON POLE A	KK	MV	CL
2	7/18/19	LATEST DRAWING	KK	MV	CL
SK	1/3/19	RFI #564: POLE I IS A SL POLE. SEE SL-PLANS.	KK	MV	CL
SK	11/2/18	POLE E MA LENGTH REVISED, POLE F COMBINED W/OCS	KK	MV	CL
		POLE 203, AND POLE I IS 1-A POLE PER POLE LAYOUT			
1	03/2018	UPDATED POLE STANDARD AND SPECIAL REQUIREMENT; REVISED PED MOUNTING ON POLE J; UPDATED POLES A, AND G; REVISED POLE B TO A 1-A POLE; ADDED FBC TENON NOTE	KK	MV	CL
NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

FOR ORIGINAL SIGNATURES, SEE ET-105.1, 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



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GROVE STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289

ET-105.1

ET-204

REVISION

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[illegible]

64 REMOVED BY CONTRACTOR.

DESIGNED	K. KWONG
DRAWN	K. KWONG
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REVIEWED	C. LIU
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for the DIRECTOR OF TRANSPORTATION

4

BORDER REVISED 11/17/05