

SHEET NOTES:

- DO NOT TRENCH IN CURB RETURN AREA UNLESS R-DWGS CALL FOR CONSTRUCTING NEW CURB RAMPS. TUNNEL UNDERNEATH CURB RETURN AREA AS REQUIRED. PROTECT EXISTING CURB RAMP(S) IF PRESENT.

DETAIL NOTES:

- A R/C EX TS WIRES FROM SIGNALS TO THE IC.
- A1 EX CONDUIT AND WIRING. R/C EX WIRING.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
- A17 EX CONDUIT AND WIRING. R/C EX TS WIRING. ALL OTHER WIRING TO REMAIN.
- A24 EX CONDUIT AND WIRING TO REMAIN.
- E5 ABANDON PULL BOX. CUT CONDUIT FLUSH TO PULL BOX WALL, CAP END(S). R/C EX TRAFFIC SIGNAL WIRING.
- F VEHICLE AND PEDESTRIAN SIGNAL(S) SHALL USE NEW EXTERNAL CONDUIT. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION.
- N SPLICE NEW #14 NEUTRALS TO EX #10 NEUTRALS AT PULL BOX.

PED SIGNALS + APS PUSH BUTTONS ACTIVATED
ON 1/24/07 AT 11:10 AM

ATTENDED BY: GERARDINE DE LEON,
TIM WONG, PHUNG NGUYEN, + GINETTA GARCIA

NOTE:

THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

6	2/6/2020	Upgraded 41 and 62 to 12", added left angle visor to 42, and added right angle visor to 61 per SRC 2019-051	AL	BW
5	2/7/19	Per field check, upgraded 21 and 42 to 3S12"	AL	BW
4	12/15/17	SRC 2017-300: Converted "T" signals to red/white bars on Poles 3 & 5	TY	MV
3	11/13	PER FIELD: Converted crossbuck signals to red/white "T" on Poles 3 & 5. Upgraded signals 22, 61 & 81 to 12-inch.	TY	MV
2	7/25/06	per 7, add ops buttons, wiring, and stub-out poles	gd	bc
1	6/6/06	per 3, conduit modifications	gd	bc
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				



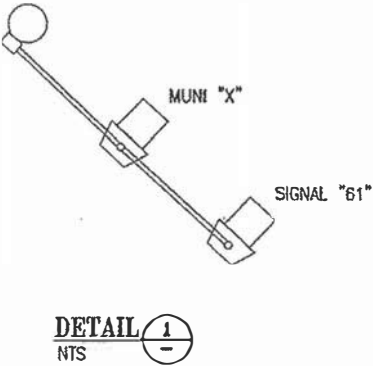
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED	SCALE:	CONTRACT 31	SPECIFICATION NO. 0872J
TP 10/05	SECTION MANAGER DATE:	1" = 10 feet	TRAFFIC SIGNAL MODIFICATIONS	DRAWING NO. E-13.1
DRAWN: DATE:	DEPUTY BUREAU MANAGER DATE:	SHEET OF SHEETS	OCEAN AVE & SAN JOSE AVE	FILE NO. 86,445
NL 10/05	CITY ENGINEER DATE:	42 OF 71		REV. NO. 6
CHECKED: DATE:				
BC 10/05				

Xrefs: T:\T_E_FILES\Special Projects & Street Use Projects\CT 31\ACAD\CT31.dwg
V:\0872J\Control 31\Various Locations\31_Various Locations\0872J_E13_PC07.dwg
Logistics: Scale: 40
Model Units: Feet
Measurement Units are English
Drawing Path: V:\0872J\Control 31_Various Locations\31_Various Locations\0872J_E13_PC07.dwg
Plot Time: Tue, 22 Aug 2006 4:15pm

POLE AND EQUIPMENT SCHEDULE											CONTRACT WORK IN BOLD
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS	
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
①	EX MUNI + SL	EX 21 EX 42	3S12" 3S12"		LEFT ANGLE		28 89	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")	APS PPB * APS PPB *	①
②	EX MUNI	EX 41 EX 62	3S12" 3S12"				29 48	1S-COUNT 1S-COUNT	SP-2-T-SF	EXTERNAL CONDUIT SEE ①	
③	EX MUNI	61 MUNI	3S12" 2S12" LB	SV-2-T-SF	RIGHT ANGLE T		68	1S-COUNT	SP-1	APS PPB *	①
④	1-A (10')	82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1		
⑤	EX MARBELITE (10')	EX 22 EX 81 MUNI	3S12" 3S12" 2S12" LB				69 88	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	APS PPB * APS PPB *	①
⑥	PPB POLE ①									APS PPB *	
⑦	PPB POLE									APS PPB *	
⑧	PPB POLE									APS PPB *	
⑨	PPB POLE									APS PPB *	
⑩	PPB POLE									APS PPB *	



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2	11/13	PER FIELD: Converted crossbuck signals to red/white "T" on Poles 3 & 5. Upgraded signals 22, 61 & 81 to 12-inch.	TY	MV
1	7/25/06	poor #7, add ops buttons, wiring, and stub-out poles		
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED
TP	10/05	
DRAWN:	DATE:	SECTION MANAGER DATE:
NL	10/05	
CHECKED:	DATE:	DEPUTY BUREAU MANAGER DATE:
BC	10/05	
		CITY ENGINEER DATE:

SCALE:
NONE
SHEET OF SHEETS
43 OF 71

CONTRACT 31
TRAFFIC SIGNAL MODIFICATIONS
OCEAN AVE & SAN JOSE AVE
SCHEDULE

SPECIFICATION NO.
0872J
DRAWING NO.
E-13.2
FILE NO.
86,446
REV. NO.
6

OCTOBER 2005

Drawing Path: V:\0872J Contract 31 Various Locations\3 Construction\Change Orders\dwg\0872J_E13_PC07.dwg, Logon: sctb Scale: 40
Plot Time: Tue, 22 Aug 2006 - 4:15pm
Xref: V:\E-FILES\Special Projects & Street Use Projects\CT 31\AC00\CT31.dwg
V:\0872J Contract 31 Various Locations\3 Construction\Change Orders\dwg\0872J_E13_PC07.dwg
Model Units: Feet
Measurement Units are English

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)																			
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CONDUIT SIZE (INCH)		2		3	1.5	2						2	2	2	2	2			
CONDUIT SIZE (mm)		53		77	41	53						53	53	53	53	53			
NOTES			EX	GRS	GRS	PVC	EX	EX	EX	EX	EX								
SIGNAL 82		3		3		3	3												
SIGNAL 49		2		2		2	2												
SIGNAL 61			3	3		3	3												
SIGNAL MUNI "X"			2	2		2	2												
SIGNAL 68			2	2		2	2												
SIGNAL 62						3	3	3											
SIGNAL 41						3	3	3											
SIGNAL 48						2	2	2											
SIGNAL 29						2	2	2											
SIGNAL 22								EX	EX		EX								
SIGNAL 81								EX	EX		EX								
SIGNAL 69								2	2		2								
SIGNAL 88								2	2		2								
SIGNAL 21										EX	EX								
SIGNAL 89										EX	EX								
SIGNAL 28										2	2								
SIGNAL 42										2	2								
#14 NEUTRAL		2	2		3			2		2	2								
#14 SPARE				3		3	3		EX		EX								
TOTAL #14 WIRES		7	7	15	13	25	25	6	4	6	10								
#10 WIRES NEUTRAL				1		1	1		EX		EX								
#10 WIRES STREET LIGHT																			
#8 WIRES STREET LIGHT																			
#8 WIRES (120 V SERVICE)																			
#6 BSCW																			
INTERCONNECT 12/C CABLE																			
2 APS WIRING (SEE SCHEDULE BELOW)																			

SHEET NOTES:

1. GROUNDING WIRES ARE NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS, SEE DETAIL 1
E-0.5

AUDIBLE PEDESTRIAN SIGNAL (APS) PEDESTRIAN PUSH BUTTON WIRING SCHEDULE																			
F/I APS CABLE WIRING (4 WIRE BELDEN 8489) THROUGH POLE AS NOTED										F/I APS CABLE WIRING (4 WIRE BELDEN 8489) AND CONDUITS									
POLE NUMBER	1	2	3	4	5	6	7	8	9	10	CONDUIT #	1	2	4	7	9	11	12	13
NOTES							NEW	NEW	NEW	NEW	CONDUIT SIZE (INCH)							2	2
APS PPB ON POLE 10 (XING OCEAN)	1																		
APS PPB ON POLE 1 (XING SAN JOSE)	1																		
APS PPB ON POLE 2 (XING OCEAN)		1																	
APS PPB ON POLE 6 (XING SAN JOSE)		1				1													
APS PPB ON POLE 7 (XING SAN JOSE)				1			1												
APS PPB ON POLE 8 (XING OCEAN)			1					1											
APS PPB ON POLE 5 (XING OCEAN)					1														
APS PPB ON POLE 9 (XING SAN JOSE)						1			1										
APS PPB ON POLE 10 (XING OCEAN)																			
APS PPB ON POLE 1 (XING SAN JOSE)																			
APS PPB ON POLE 2 (XING OCEAN)																			
APS PPB ON POLE 6 (XING SAN JOSE)																			
APS PPB ON POLE 7 (XING SAN JOSE)																			
APS PPB ON POLE 8 (XING OCEAN)																			
APS PPB ON POLE 5 (XING OCEAN)																			
APS PPB ON POLE 9 (XING SAN JOSE)																			

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2	7/25/08	ppc #7, add ops buttons, wiring, and stub-out poles	qd	bc
1	6/6/06	ppc #3, conduit modifications	qd	bc
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SCALE:
NONE
SHEET OF SHEETS
44 OF 71

CONTRACT 31
TRAFFIC SIGNAL MODIFICATIONS
OCEAN AVE & SAN JOSE AVE
SCHEDULE

SPECIFICATION NO.	0872J
DRAWING NO.	E-13.3
FILE NO.	86.447
REV. NO.	6

Drawings Path: \\A0872J\Drawings\31\Various Locations\31\Construction\Change Orders\0872J_E13_P007.dwg, Logonization Scale: 40
Plot Time: Tue, 22 Aug 2006 - 4:15pm
Measurement Units are English
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