

signal switchover on 5/24/2018
at 12:05PM

Attendees:

PW RE: Dan Brugmann SFMTA

TE: Celine Leung SFMTA Traffic

Signal Shop: Wei Zhang, Ricard

Ho

SFMTA MUNI Signal Shop:

Arvin Geronimo, Hoa Huynh,

Philip Kung

Delete transit signal 145 & 146
and add 147 per Celine Leung's
SRC 2018-200. Work is
completed on 7/16/2018.

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VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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.

DETAIL NOTES:

- A CONTRACTOR TO REMOVE AND SALVAGE EXISTING INTERSECTION CONTROLLER CABINET AND DELIVER TO CITY TRAFFIC SIGNAL SHOP.
- B CONTRACT SHALL PROVIDE 40A INLINE FUSE AND FUSE HOLDER FOR TRAFFIC SIGNAL SERVICE DISCONNECT AND 30A INLINE FUSE & FUSE HOLDER FOR STREETLIGHT DISCONNECT IN FIRST PULL BOX NEXT TO THE NEW PG&E SERVICE.
- C CONTRACTOR TO INSTALL CITY FURNISHED INTERSECTION TRAFFIC SIGNAL CONTROLLER CABINET.

- D FOR MUNI TROLLEY OCS SYSTEM AND TRANSIT PUSH BUTTON WORK, SEE MUNI'S EL-01 DESIGN.
- E LUNAR BAR TRANSIT SIGNAL SHALL BE USED.
- F ABANDON EXISTING CONDUIT, CUT 6" FROM PULL BOX WALL AND CAP END. REMOVE ALL UNUSED WIRES. PRIOR TO REMOVAL OF EXISTING CONDUIT, CONTRACTOR TO FIELD VERIFY AND MAINTAIN EXISTING SERVICES TO STREETLIGHTS AND TRAFFIC CONTROLLER.
- G CONTRACTOR TO R/S TYPE IV PB INSTALLED BY THE 2419J ORIGINAL CONTRACT. COUPLER AND EXTEND CONDUITS AS SHOWN WITH NEW CONDUITS TO MATCH.

NO.	DATE	DESCRIPTION	BY	APP.
1	7/15	PCO 6 ADD TRANSIT SIGNALS, PPB POLES, REVISE APS AND CONTROLLER LOCATIONS	CXL/ZH	SL
TABLE OF REVISIONS				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



INFRASTRUCTURE DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



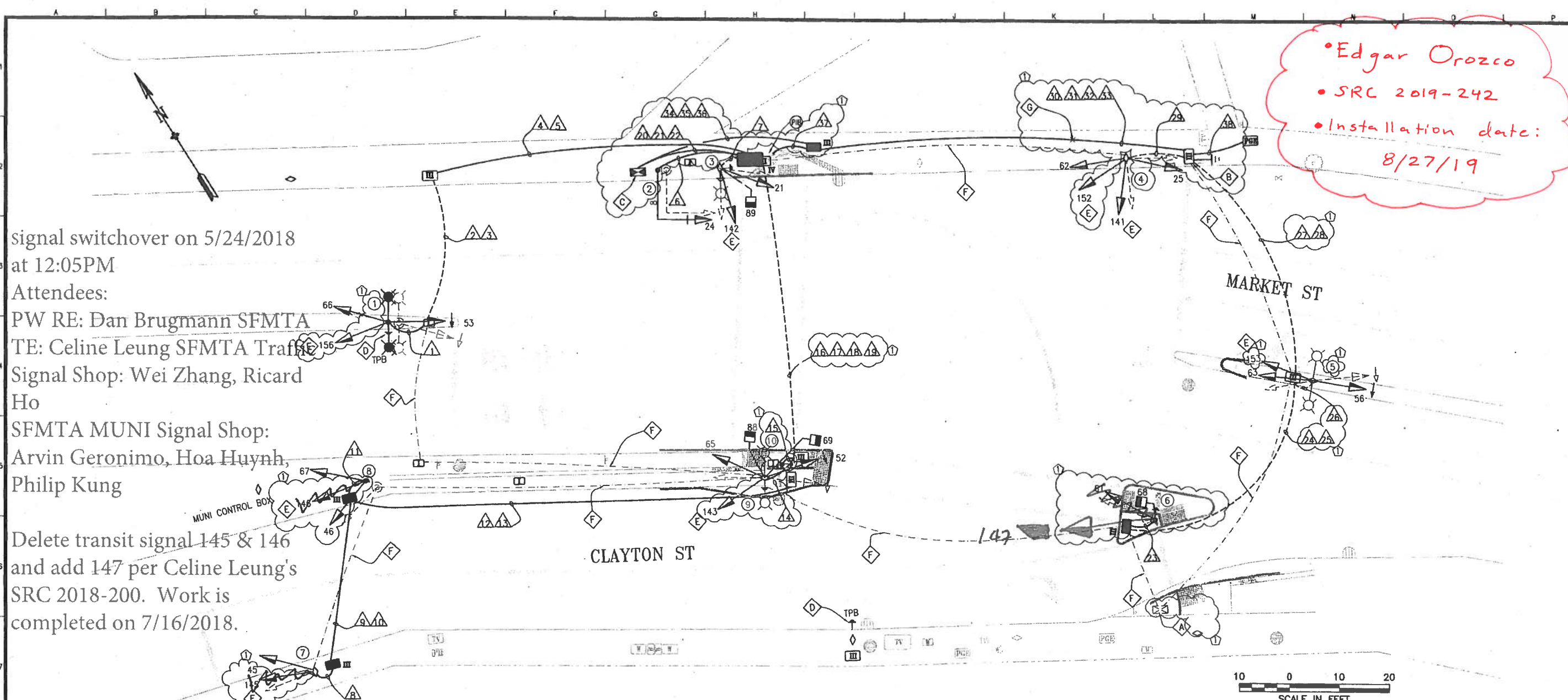
DESIGNED: DATE:	APPROVED
CXL/WC 3/14	SECTION MANAGER DATE:
DNM/WC 07/11/14	DEPUTY DIVISION MANAGER DATE:
CHEKED: DATE:	DIVISION MANAGER DATE:
CMH/SL 07/11/14	

SCALE:
AS SHOWN
SHEET OF SHEETS
24 OF 44

TRANSIT SIGNAL IMPROVEMENT PROJECT

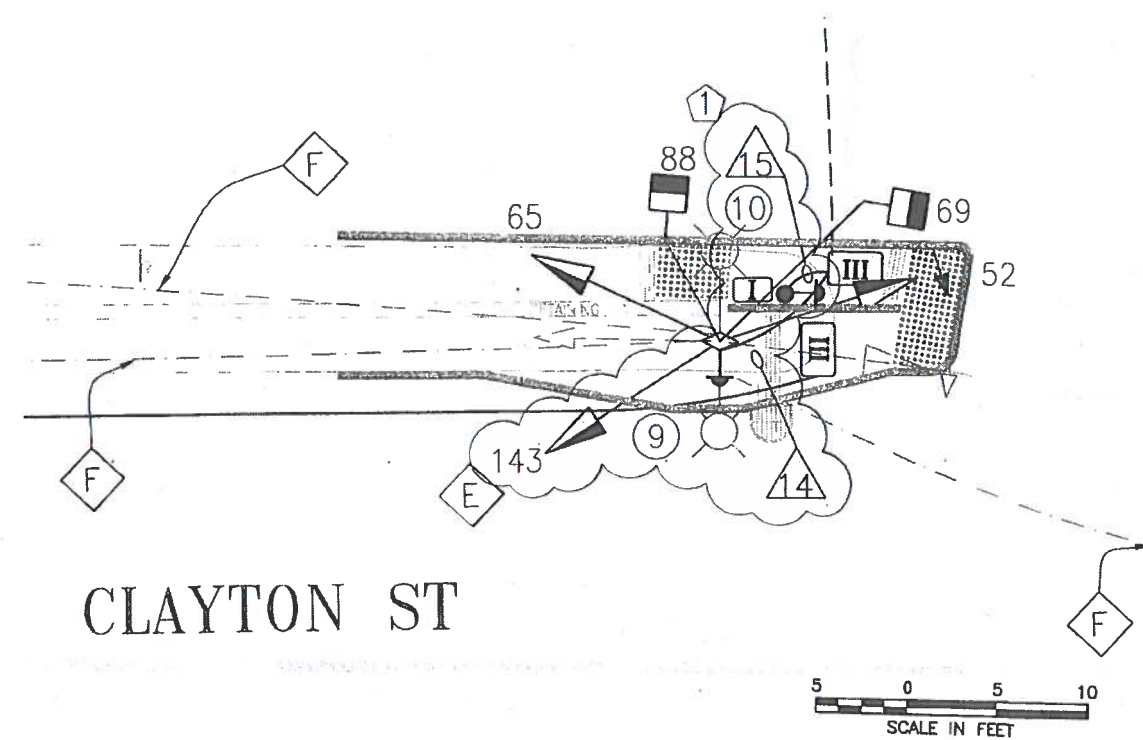
CLAYTON ST AND MARKET ST
TRAFFIC SIGNAL WORK

CONTRACT NO.	2419J
DRAWING NO.	E-9.0
FILE NO.	98,632
REV. NO.	1

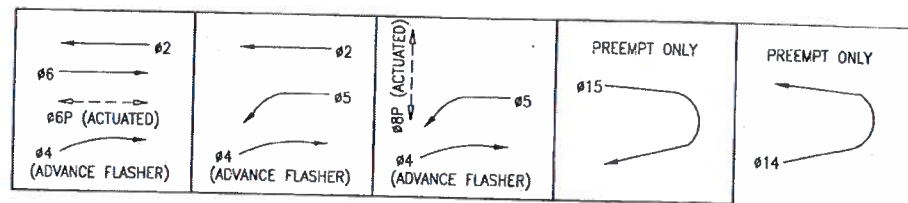


Xref: T:\T E FILES\Special Projects & Street Use\Design Sids\CADD Standards\BOE Title Block.dwg
V:\2419J\CO_BOND_TRAFFIC_SIGNAL_UPGRADE\3_Construction\3200_Change_Orders\PCO06 Market & Clayton\DWG Title Block.dwg
Drawing Path: C:\Users\zhung.ayuda\LocalTemp\AcPublish\AcPublish\956\2419J_SFMTA_PCO06_Market_Clayton.dwg
Plot Time: Tue, 18 Aug 2015 5:51 pm
Measurement Units are English
Model Units: Inches
Revision Scale: 1

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	CITY STANDARD STREET LIGHT		53 66 156	3S12"LA 3S12" T2S12"B	SV-1 SV-1 SV-1	T T T					TPB MOUNT MUNI 156 AT 15'
②	16-1-100 W/ 8' MAST ARM		24	3S12"	MAS	T					BACKPLATE
③	EX MUNI POLE	120V	21 142	3S12" T2S12"B	SV-1-T SV-1-T	T T		69	1S-COUNT	SP-1	APS MOUNT MUNI 142 AT 15'
④	EX MUNI POLE		25 62 141 152	3S12" 3S12" T2S12"B T2S12"B	SV-2-TA SV-2-TA	T T T T					MOUNT MUNI 141 & 152 AT 15'
⑤	EX MUNI POLE	120V	63 56 153	3S12" 3S12"LA T2S12"B	SV-1 SV-1 SV-1	T T T					MOUNT MUNI 153 AT 15'
⑥	1-A (10')		61 147	3S12" T2S12"B	TV-1-T	T RA	LOUVER	68	1S-COUNT	SP-1	APS
⑦	EX MUNI POLE		45 145	3S12"FY T2S12"B	SV-1-T SV-1-T	T T					MOUNT MUNI 145 AT 15'
⑧	1-A (15')		46 67 146	3S12"FY 3S12" T2S12"B	SV-1-T SV-1-T TV-1-T	T T T					MOUNT 67 AT 4'
⑨	EX MUNI POLE W/ LUMINAIRES	120V	52 65 143	3S12"LA 3S12" T2S12"B	SV-2-TA SV-2-TA SV-1-T	T T T		69 88	1S-COUNT 1S-COUNT	SP-2-T	MOUNT MUNI 143 AT 15' APS
⑩	PPB POLE										APS



PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	MARKET ST (NB) - 02
R	G	Y	MARKET ST LEFT TURN (NB) - 05
G	Y	R	MARKET ST (SB) - 06
Y-FLASH			CLAYTON ST ADVANCE Y/R SIGNAL (EB) - 04
WM	FRH	RH	PED XING CLAYTON ST (ES) - 08P
RH	WM	FRH	PED XING MARKET ST (NS) - 08P
LB			CLAYTON ST BUS (EB) - 014
LB			MARKET ST BUS (NB) - 015

DETAIL NOTES:

- FOR MUNI TROLLEY OCS SYSTEM AND TRANSIT PUSH BUTTON WORK, SEE MUNI'S EL-01 DESIGN.
- CONTRACTOR TO INSTALL APS WIRING AS INDICATED IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL AND ACTIVATE APS BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE.

NOTE:
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED 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.

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED: DATE: CXL/WC 3/14 DRAWN: DATE: DNM/WC 07/11/14 CHECKED: DATE: CMH/SL 07/11/14		APPROVED: SECTION MANAGER DATE: DEPUTY DIVISION MANAGER DATE: DIVISION MANAGER DATE:		SCALE: NONE SHEET OF SHEETS: 25 OF 44		TRANSIT SIGNAL IMPROVEMENT PROJECT CLAYTON ST AND MARKET ST POLE & EQUIPMENT SCHEDULE & PHASE DIAGRAM		CONTRACT NO. 2419J DRAWING NO. E-9.1 FILE NO. 98,633 REV. NO. 1	
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