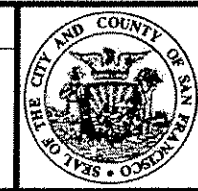


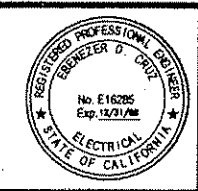
NOTE:  
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND 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 ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.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.

TABLE OF REVISIONS		CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION	
NO.	DATE	DESCRIPTION	BY
1	10/10/08	POD #4: CONDUIT & PULL BOX FOR MUNI RE-EMPTION	JS
2	6/20/08	POD #1: VARIOUS CHANGES BASED ON POLE LAYOUT	JC

REFERENCE INFORMATION & FILE NO. OF SURVEYS	
FILE NO.	15.00'
FILE NO.	38.96'
FILE NO.	15.02'



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



DESIGNED: DATE: 9/2007  
DRAWN: DATE: 9/2007  
CHECKED: DATE: 9/2007  
BC

APPROVED: DATE: 9/2007  
SECTION MANAGER: DATE: 9/2007  
DEPUTY BUREAU MANAGER: DATE: 9/2007  
CITY ENGINEER: DATE: 9/2007

SCALE: AS SHOWN  
SHEET OF SHEETS: 18 OF 25

CONTRACT 58  
NEW TRAFFIC SIGNALS  
HYDE AND VALLEJO STREETS  
TRAFFIC SIGNAL WORK AND  
POLE & EQUIPMENT SCHEDULE

SPECIFICATION NO. 1387J  
DRAWING NO. E-6.0  
FILE NO. 87,623  
REV. NO. 2

POLE AND EQUIPMENT SCHEDULE								CONTRACT WORK IN BOLD			
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A (10')		21	388"	TV-1	T		28	18-COUNT	SP-1	
②	CITY STANDARD STREET LIGHT	120 V/100 W	42	388"	SV-1-T	T		89	18-COUNT	SP-1	
③	1-A (13')		41	388"	TV-1	T		48	18-COUNT	SP-1	
④	EX SL		62	388"	SV-1-T	T		29	18-COUNT	SP-1	
⑤	1-A (10')		81	388"	TV-1	T		68	18-COUNT	SP-1	
⑥	1-A (10')		82	388"	TV-1	T		49	18-COUNT	SP-1	
⑦	CITY STANDARD STREET LIGHT	120 V/100 W	81	388"	SV-1-T	T		88	18-COUNT	SP-1	
⑧	1-A (10')		22	388"	TV-1	T		69	18-COUNT	SP-1	

**SHEET NOTES:**

- CONDUITS SHALL BE INSTALLED UNDER CABLE CAR TRACKS. SEE SSDPWSF SECTION 601.03. (TYPICAL CONDUIT SHALL BE 4' TO 6' BELOW SURFACE)
- CONDUITS INSTALLED UNDER TRACKS SHALL BE INSTALLED BY JACKING, PUSHING, OR PULLING.
- CONTRACTOR SHALL NOTIFY MUNI CABLE CAR OPERATIONS (WILEY TOM @ 415-307-8988) SEVEN DAYS PRIOR TO WORKING UNDER CABLE CAR TRACKS AND/OR ACCESSING MUNI PULL BOX(ES). PULL BOX(ES) CAN ONLY BE ACCESSED DURING CABLE CAR NON-OPERATION HOURS (1:30 AM TO 4:30 AM)

- THE CONTRACTOR AND HIS EMPLOYEES WHO WILL PERFORM WORK WITHIN 48" OF THE CABLE CAR TRACKS AT THIS INTERSECTION SHALL FIRST RECEIVE ON TRACK SAFETY TRAINING AND CERTIFICATION FROM THE MTA. CONTRACTOR SHALL SCHEDULE TRAINING BY CONTACTING NAPOLEON KHALILNANI FROM THE MTA AT (415) 701-4679. CONTRACTOR SHALL SIGN A "HOLD HARMLESS" AGREEMENT WITH RESPECT TO THE SAFETY TRAINING (SEE CONTRACT SPECIFICATIONS). IN ADDITION TO THE SAFETY TRAINING, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM MUNI'S OPERATIONS CONTROL CENTER (OCC) BEFORE WORKING WITHIN 48" OF THE CABLE CAR TRACKS. PERMIT APPLICATION PROCEDURE TO MUNI'S OCC WILL BE DISCUSSED AS PART OF THE MTA SAFETY TRAINING.
- F/I A STAINLESS STEEL LOCKABLE NEMA 4X ENCLOSURE BOX (12" H x 12" W x 6" D) ON EXTERIOR OF IC CABINET. THE BOTTOM OF NEMA BOX SHALL BE 48" ABOVE SIDEWALK GRADE. F/I A TERMINAL BLOCK WITH AT LEAST 12 POSITIONS INSIDE THE NEMA BOX. F/I 2" GRSC NIPPLE BETWEEN BOXES TO ALLOW WIRES TO BE ROUTED BETWEEN THE NEMA BOX AND THE IC CABINET.

**DETAIL NOTES:**

- F/I FUSE AND FUSE HOLDER PER SPDWSF FILE 87,203.
- SPLICE NEW SL WIRING TO ADD NEW SL(S) TO EX. CIRCUIT.
- CONTRACTOR SHALL CALL U.S. POSTAL SERVICE AT 1-800-222-1811 TO RELOCATE MAILBOXES.

- SEE DRAWING R-2 FOR CURB RAMP WORK.
- F/I 2" GRSC EXTERNAL CONDUIT TO CONNECT CONDUIT RUN NO. 19 UP TO NEMA 4X BOX. F/I CONDUIT COUPLING TO CONNECT PVC TO STEEL AND CONDUIT LB AS REQUIRED.

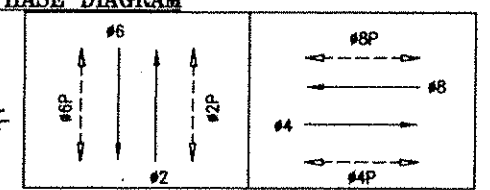
- CONTRACTOR SHALL COORDINATE WITH PG&E VIA WALLY SUN OF HATCH HATCHY AT (415) 554-1873 FOR SERVICE CONNECTION WORK PRIOR TO START OF CONSTRUCTION.
- F/I IN-LINE FUSE HOLDER W/ 40 A FUSE FOR IC SERVICE.
- CONTRACTOR SHALL LABEL SERVICE CONDUCTORS IN THE IC CABINET TO IDENTIFY CORNER OF INTERSECTION WHERE IN-LINE FUSE HOLDER FOR IC SERVICE IS INSTALLED. (I.E. A SAMPLE LABEL IS AS FOLLOWS: "IC FUSE INSTALLED IN NE CORNER")

FLASHING OPERATIONS ACTIVATED ON 2/3/09 AT 10:30 AM FOR HYDE AND VALLEJO. ATTENDED BY: GERALDINE DE LEON (DPT), JOHN NG (SIGNA SHP), JEN TRAY (MUNI), + ERNIE DEL BARRO (MUNI)

3-COLOR ACTIVATION ON PHASE DIAGRAM

2/5/09 AT 9:42 AM

ATTENDED BY: GERALDINE DE LEON AND JOHN NG

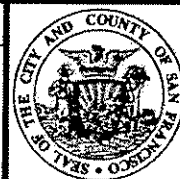


G		Y		R		HYDE ST. (NB & SB) - #2 & #6	
R		G		Y		VALLEJO ST. (EB & WB) - #4 & #8	
WM		FRH		RH		PED XING VALLEJO ST. (ES & WS) - 2P & 6P	
RH		WM		FRH		RH	
						PED XING HYDE ST. (SS & NS) - 4P & 8P	

[illegible]

SHEET NOTE:

1. SEE GROUNDING LAYOUT <sup>5</sup> ~~1~~ AND SECTION 02890 IN CONTRACT SPECIFICATIONS

[illegible]

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



DESIGNED: DATE:	APPROVED
GD 9/2007	
DRAWN: DATE:	SECTION MANAGER DATE:
GD 9/2007	
CHECKED: DATE:	DEPUTY BUREAU MANAGER DATE:
BC 9/2007	
	CITY ENGINEER DATE:

SCALE:	NONE
SHEET OF SHEETS	19 OF 25

CONTRACT 58  
NEW TRAFFIC SIGNALS  
HYDE AND VALLEJO STREETS  
CONDUIT & WIRING SCHEDULE

SPECIFICATION NO.	1387J
DRAWING NO.	E-6.1
FILE NO.	87,624
REV. NO.	1