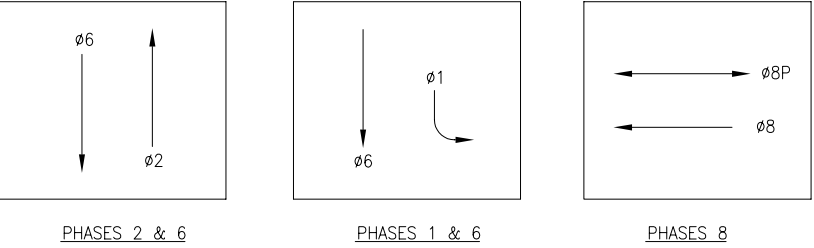


STEADY DEMAND PHASE DIAGRAM:



STEADY DEMAND PHASE SEQUENCE:

G		Y	R		LAKE MERCED BLVD SB
G	Y	R			LAKE MERCED BLVD NB
← R		← G	← Y	← R	LAKE MERCED BLVD SB LEFT TURN
R			G	Y	HIGUERA AVE WB

SHEET NOTES:

- 1 CONTRACTOR TO NOTE MAST ARM HAS VEHICLE SIGNALS FACING OPPOSITE DIRECTIONS.
- 2 REFER TO R-DWGS FOR MEDIAN WORK.

DETAIL NOTES:


- A10 EX CONDUIT. F/I WIRING AS NOTED.
- E2 PULL BOX IN UNPAVED AREA. SEE SPDPSF FILE #49,093 CH.1.
- E8 POLE IN UNPAVED AREA, SEE SPDPSF FILE #A-27,029.2 CH.4.
- L2 F/I IN-LINE FUSE HOLDER W/40A FUSE FOR IC SERVICE. F/I NEW WIRING AS NOTED. F/I GROUND ROD.
- X4 STUB OUT AND CAP 3' FROM THE IC FOUNDATION.

AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

						REFERENCE INFORMATION & FILE NO. OF SURVEYS		 <div>DEPARTMENT OF PARKING AND TRAFFIC</div> <div>DIVISION OF TRAFFIC ENGINEERING</div> <div>CITY AND COUNTY OF SAN FRANCISCO</div>	DESIGNED: TP/BD	DATE: 4/01	APPROVED		SCALE: 1' = 20'	CONTRACT 52-53 NEW TRAFFIC SIGNAL		SPECIFICATION NO. 0088J	
									DRAWN: JE	DATE: 4/01	SECTION MANAGER		DATE:	DRAWING NO. E-8.0			
									CHECKED: STL	DATE: 4/01			SHEET OF SHEETS 21 OF 32	HIGUERA AVE & LAKE MERCED BLVD		FILE NO. 75,975	
											CITY ENGINEER		DATE:			REV. NO. 3	
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION																	
NO.	DATE	DESCRIPTION				BY	APP.										
1	11/03	AS BUILT															
2	4/02	PCO 6: CHANGE POLE #5, ADD NEW POLE #7				TP	SL										
3	11/01	PCO 2: REDUCE MAS ARM LGTH: POLES 4, 5, & SPARE				TP	SL										

FILE FILES\Official_Records\Signal_Inventory\AS_Built\SD\WC\152-53\0088J\0088J\E-8.dwg, Layout1, 12/4/2007 2:44:40 PM, CLEUNG

[illegible]

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1 - A (7')							89	1S-IN	TP-1	PPB
②	16-1-70 w/ 20' MAST ARM		24 21	3S12" 3S8"	MAS SV-1-T	TUNNEL TUNNEL					BACKPLATE
③	1 - A (10')		12	3S12"-LA	TV-1-T	TUNNEL					
④	18-3-70 w/ 30' MAST ARM (Tip Tenon) 		14 27 11 25	3S12"-LA 3S12" 3S12"-LA 3S8"	MAS MAS SV-2-T	TUNNEL TUNNEL TUNNEL TUNNEL					BACKPLATE BACKPLATE
⑤	1 - A (10')		60 82	3S8" 3S8"	SV-2-T	TUNNEL TUNNEL					
⑥	1 - A (10')		65 81	3S8" 3S8"	TV-2-T	TUNNEL TUNNEL		88	1S-IN	SP-1	PPB
⑦	28-5-70 w/ 50' MAST ARM		66 67	3S12" 3S12"	MAS MAS	TUNNEL TUNNEL					BACKPLATE BACKPLATE

DETAIL NOTES:

1 CONTRACTOR TO NOTE MAST ARM HAS VEHICLE SIGNALS FACING OPPOSITE DIRECTIONS.

 F/I PVC CONDUIT SCHEDULE 80.

Q3 F/I 2 - 2" PVC SCHEDULE 80 CONDUIT.

 COORDINATE WITH PG&E

[illegible]

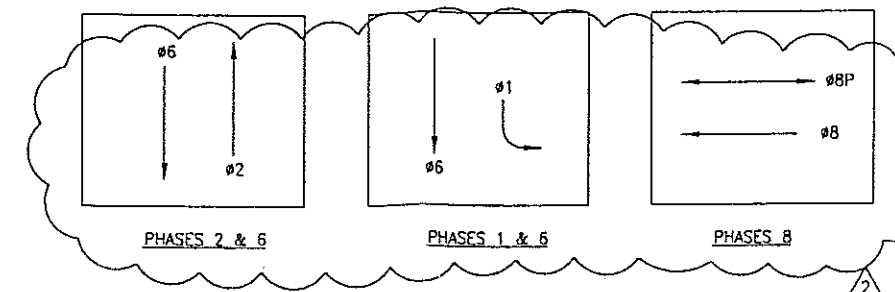
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ORIGIN: ELECTRICAL
SCALE FACTOR: 240
EXTERNAL REFERENCES: tbsx422.dwg
PLOT DATE: 26-SEP-2009 11:32
PLT FILE: 0088J-Plt.dwg
SIGNAL RECORDS: Signal_Inventory_Asb_BullitsIDWGCT52-53(0088J)0088JSC4E06.1.dwg, Layout17, 0274/2687, 240X480 PPI,
ROMANS.SHX ROMANT.txt

CLEUNG2

ACTIVATED ON 12/4/2002
FLASH @ 9:42 AM, 12/4/2002
3-COLOR (TEST) @ 10:10 AM, 12/4/02
3-COLOR (PERM.) @ 10:05 AM, 12/6/02

-BBD

STEADY DEMAND PHASE DIAGRAM:



STEADY DEMAND PHASE SEQUENCE:

G		Y	R	LAKE MERCED BLVD SB
G	Y	R		LAKE MERCED BLVD NB
← R	← G	← Y	← R	LAKE MERCED BLVD SB LEFT TURN
R		G	Y	HIGUERA AVE WB

SHEET NOTES:

1 CONTRACTOR TO NOTE MAST ARM HAS VEHICLE SIGNALS FACING OPPOSITE DIRECTIONS.

2 REFER TO R-DWGS FOR MEDIAN WORK.

DETAIL NOTES:

A10 EX CONDUIT. F/I WIRING AS NOTED.

E2 PULL BOX IN UNPAVED AREA. SEE SPDPWSF FILE #49,093 CH.1.

E8 POLE IN UNPAVED AREA. SEE SPDPWSF FILE #A-27,029.2 CH.4.

L2 F/I IN-LINE FUSE HOLDER W/40A FUSE FOR IC SERVICE. F/I NEW WIRING AS NOTED. F/I GROUND ROD.

X4 STUB OUT AND CAP 3' FROM THE IC FOUNDATION.

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.

TABLE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY
4/02	PCO 6: CHANGE POLE #5, ADD NEW POLE #7	TP	SL
11/01	PCO 2: REDUCE MAST ARM LGTH: POLES 4, 5, & SPARE	TP	SL

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC

DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: TP/BD 4/01
DRAWN: DATE: JE 4/01
CHECKED: DATE: STL 4/01

APPROVED
SECTION MANAGER DATE:
CITY ENGINEER DATE:

SCALE:
1' = 20'
SHEET OF SHEETS
21 OF 32

CONTRACT 52-53
NEW TRAFFIC SIGNAL

HIGUERA AVE & LAKE MERCED BLVD

SPECIFICATION NO.
0088J
DRAWING NO.
E-8.0
FILE NO.
75,975
REV. NO.
2


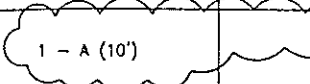
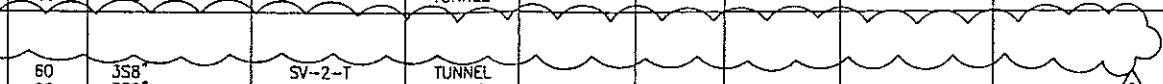
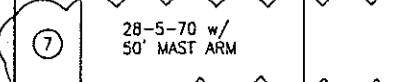

FILE NAME: 0088J-E08.dwg
DATE: Dec 21 2000 11:52

EXTERNAL REFERENCES: 003422.dwg
POINTS USED: ROMANS.SHX ROMANS.SHX ROMANS.SHX ROMANS.SHX

SCALE FACTOR: 240
PLOT SCALE: 1"=1'

ORIGIN: ELECTRICAL

CONDUIT AND WIRING SCHEDULE																										
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
CONDUIT SIZE (INCH)		2	2	EX	2	EX	2	EX	EX	2	2	EX	EX	2	2	3	2	1.5	2	3	2	2	2	2	2	
NOTES																P	P	S	P	P	P	P	Q3			
WIRING (F/I)	#14 WIRES																									
	SIGNAL 89		2	2								2				2										
	PPB POLE #1		2	2								2				2										
	SIGNAL 65				3	3			3	3				3				3								
	SIGNAL 81				3	3			3	3				3				3								
	SIGNAL 88				2	2			2	2				2				2								
	PPB POLE #6				2	2			2	2				2				2								
	SIGNAL 86													3				3						3	3	
	SIGNAL 67													3				3						3	3	
	SIGNAL 60								3	3	3	2		3				3								
	SIGNAL 82								3	3	3			3				3								
	SIGNAL 24											3	3				3									
	SIGNAL 21											3	3				3									
	SIGNAL 12														3			3								
	SIGNAL 14															3		3								
	SIGNAL 27																3	3								
	SIGNAL 25																3	3								
	SIGNAL 11																3	3								
											</															

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		VOTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
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②	16-1-70 w/ 20' MAST ARM		24 21	3S12" 3S8"	MAS SV-1-T	TUNNEL TUNNEL					BACKPLATE
③	1 - A (10')		12	3S12"-LA	TV-1-T	TUNNEL					
④	18-3-70 w/ 30' MAST ARM (Tip Tenon) 		14 27 11 25	3S12"-LA 3S12" 3S12"-LA 3S8"	MAS MAS SV-2-T	TUNNEL TUNNEL TUNNEL TUNNEL					BACKPLATE BACKPLATE
⑤	1 - A (10') 		60 82	3S8" 3S8"	SV-2-T	TUNNEL TUNNEL					 2
⑥	1 - A (10')		65 81	3S8" 3S8"	TV-2-T	TUNNEL TUNNEL		88	1S-IN	SP-1	PPB
⑦	28-5-70 w/ 50' MAST ARM 		66 67	3S12" 3S12"	MAS MAS	TUNNEL TUNNEL					 BACKPLATE BACKPLATE

DETAIL NOTES:

- ① CONTRACTOR TO NOTE MAST ARM HAS VEHICLE SIGNALS FACING OPPOSITE DIRECTIONS.
- P F/I PVC CONDUIT SCHEDULE 80.
- Q3 F/I 2 - 2" PVC SCHEDULE 80 CONDUIT.
- S COORDINATE WITH PG&E

NOTE:

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NO.	DATE	DESCRIPTION	BY	APP.
4/02	PCO 8: CHANGE POLE #5, ADD NEW POLE #7.	TP	SL	
11/01	PCO 2: REDUCE MAST ARM LGTH: POLES 4, 5, & SPARE	TP	SL	

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE:
TP/BD 4/01
DRAWN: DATE:
JE 4/01
CHECKED: DATE:
STL 4/01

APPROVED
SECTION MANAGER DATE:
CITY ENGINEER DATE:

SCALE:
NONE
SHEET OF SHEETS
22 OF 32

CONTRACT 52-53
NEW TRAFFIC SIGNAL
HIGUERA AVE & LAKE MERCED BLVD
SCHEDULES

SPECIFICATION NO.
0088J
DRAWING NO.
E-8.1
FILE NO.
75,976
REV. NO.
2