DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	101	10.8/12.9	29	61

REGISTERED ELECTRICAL ENGINEER

8-9-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. ELECT STATE OF CALIFORNIA

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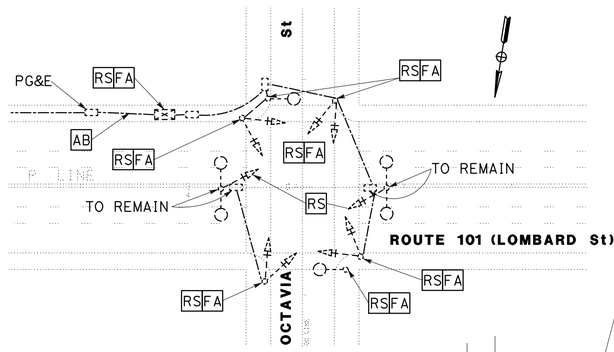
Caltrans Metric

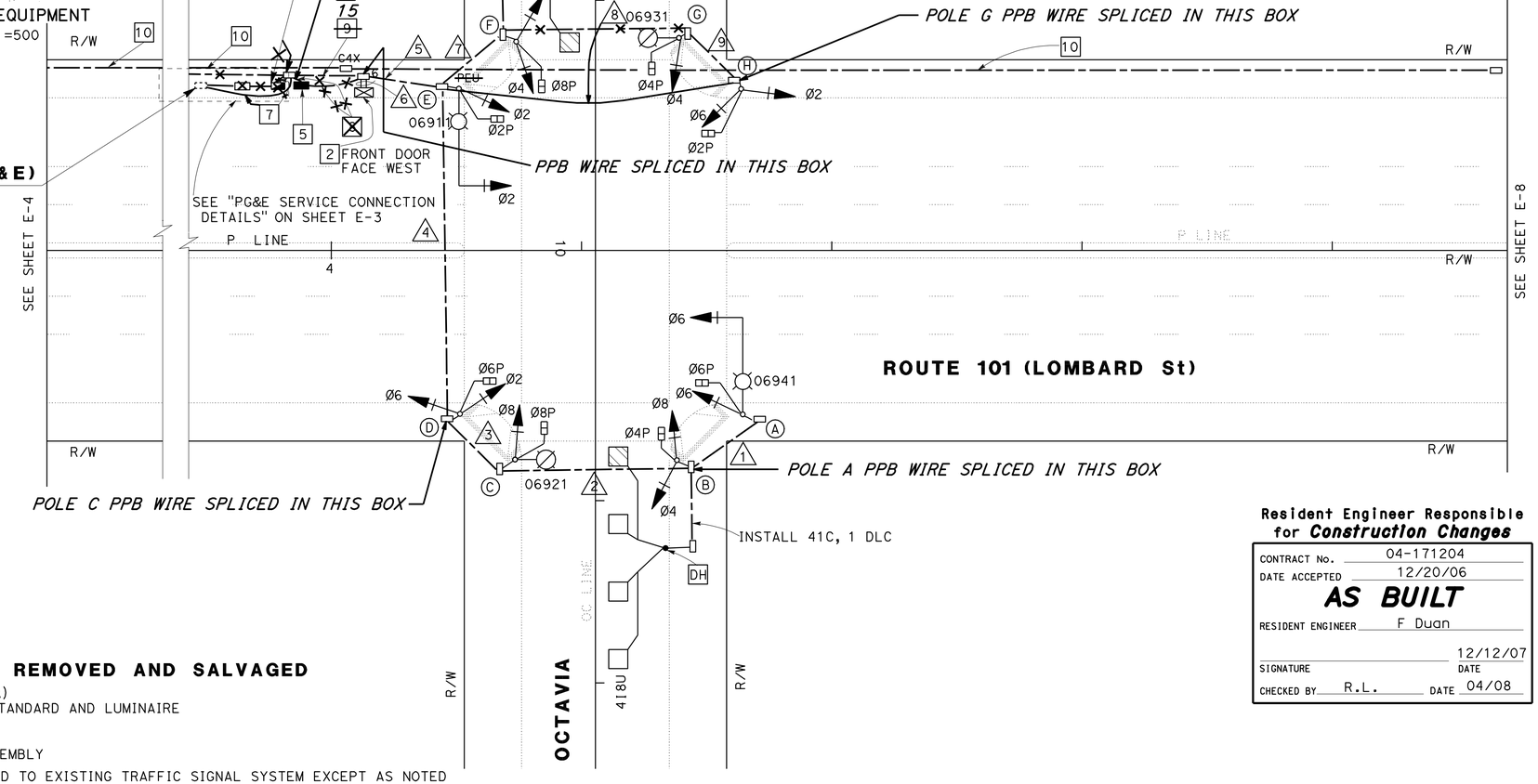


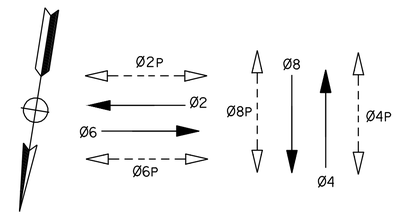
EXISTING EQUIPMENT
SCALE: 1=500

1 ~~TYPE III AF SERVICE EQUIPMENT ENCLOSURE No. 06961~~
~~(DOOR SHALL FACE WEST)~~
~~LOAD (METERED): AG~~
CT ID: 04341010006961

LOAD (UNMETERED): ~~AG~~ 240V
2-200 W HPS LUMINAIRES
2-310 W HPS LUMINAIRES
CT ID: 04341010006963

LOAD (UNMETERED): 120V
500 W TRAFFIC SIGNAL





PHASE DIAGRAM

** Signal Switchover: 1-26-2006 **
Old equipment turned off: 10:50 AM
Flash operation initiated: 11:16 AM
3-color operation initiated: 11:18 AM

SYSTEM No. 34-101-06961 (PG&E)
UNDERGROUND SERVICE (120/240 V)

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

4 CITY CONCRETE POLE (SIMILAR TYPE 1-A)
2 CITY TYPE D CONCRETE STREET LIGHT STANDARD AND LUMINAIRE
4 TYPE TV-2-T SIGNAL HEAD MOUNTING
2 TYPE SV-1-T SIGNAL HEAD MOUNTING
1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY
AB ALL CONDUITS AND CONDUCTORS RELATED TO EXISTING TRAFFIC SIGNAL SYSTEM EXCEPT AS NOTED
RC ALL PULL BOXES RELATED TO EXISTING TRAFFIC SIGNAL SYSTEM EXCEPT AS NOTED
AB EXISTING INTERCONNECTION CABLE (sic)

Resident Engineer Responsible for *Construction Changes*

CONTRACT No. 04-171204
DATE ACCEPTED 12/20/06
AS BUILT
RESIDENT ENGINEER F Duan
SIGNATURE 12/12/07 DATE
CHECKED BY R.L. DATE 04/08

MODIFY SIGNAL AND LIGHTING
LOCATION 3
ROUTE 101 (LOMBARD St)/OCTAVIA St

SCALE 1:200

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

E-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL

PROJECT ENGINEER HENRY HOANG

DATE REVISED BY | DATE REVISED
CALCULATED/DESIGNED BY | CHECKED BY

LAST REVISION 04-06-04 | DATE PLOTTED => 03-FEB-2009 | TIME PLOTTED => 10:47

$MS_JEFF

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => s117499
DGN FILE => 417120U006.dsb

CU 04220 | EA 171201

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4	5	6	7	8	9
No. 14 CONDUCTORS									
Ø2				3	9	9	~~3~~	3	~~3~~
Ø4		3	3	3	9	9	~~6~~ 3	3	3
Ø6	3	3	3	6	9	9	~~3~~	3	~~3~~
Ø8		3	6	6	6	9	3		
Ø2P					2	4	~~2~~	2	~~2~~
Ø4P		2	2	2	4	4	~~2~~	2	2
Ø6P	2	2	2	4	4	4			
Ø8P			2	2	4	4	2		
PPB(Ø2P)					2	2	1	1	1
PPB(Ø4P)		1	1	1	2	2	~~1~~	1	
PPB(Ø6P)	1	1	1	2	2	2			
PPB(Ø8P)			1	1	2	2	1		
PPB NEUTRAL	1	1	1	1	2	2	1	1	1
~~PEU~~					~~3~~				
SPARE	6	6	6	6	6	6	6	6	6
TOTAL No. 14 CONDUCTORS	13	22	28	37	~~69~~ 66	68	~~31~~ 17	22	~~16~~ 13
No. 8 CONDUCTORS									
LIGHTING(240V)	2	2	2	2	2		2	2	2
SIGNAL COMMON	1	1	1	1	2	2	1	1	1
TOTAL No. 8 CONDUCTORS	3	3	3	3	4	2	3	3	~~1~~ 3
No. 6 CONDUCTORS									
TRAFFIC SIG. CONTROL SERV.						2			
TOTAL No. 6 CONDUCTORS						2			
DETECTOR CABLE									
4I8U		1	1	1	1	1			
8J8U					1	1	1		
TOTAL DETECTOR CABLE		1	1	1	2	2	1		
CONDUIT SIZE (mm)	53	63	63	63	78		63	63	41

2-78

** Signal Switchover: 1-26-2006 **
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DATE ACCEPTED 12/20/06
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Caltrans Metric

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POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	SMA (m)	LMA (m)	VEH. SIGNAL MOUNTING MAST ARM	POLE	PED SIGNAL MOUNTING	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
Ⓐ	19A-2-129	7.6	3.7	MAS	SV-1-T	SP-1-T	~~6~~ 4	310	
Ⓑ	1A				TV-2-T	SP-1-T	~~4~~ 6		
Ⓒ	17-2-129		3.7		SV-1-T	SP-1-T	~~8~~ 6	200	WITHOUT SIGNAL ARM
Ⓓ	1A				TV-2-T	SP-1-T	~~6~~ 8		
Ⓔ	19A-2-129	7.6	3.7	MAS	SV-1-T	SP-1-T	~~2~~ 8	310	
Ⓕ	1A				TV-2-T	SP-1-T	~~8~~ 2		
Ⓖ	17-2-129		3.7		SV-1-T	SP-1-T	~~4~~ 2	200	WITHOUT SIGNAL ARM
Ⓗ	1A				TV-2-T	SP-1-T	~~2~~ 4		

* OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.

MODIFY SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
LOCATION 3

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E-7

REVISED BY | DATE REVISED
CALCULATED/DESIGNED BY | CHECKED BY
PROJECT ENGINEER HENRY HOANG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL

LAST REVISION 04-06-04 | DATE PLOTTED => 03-FEB-2009 TIME PLOTTED => 10:47

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