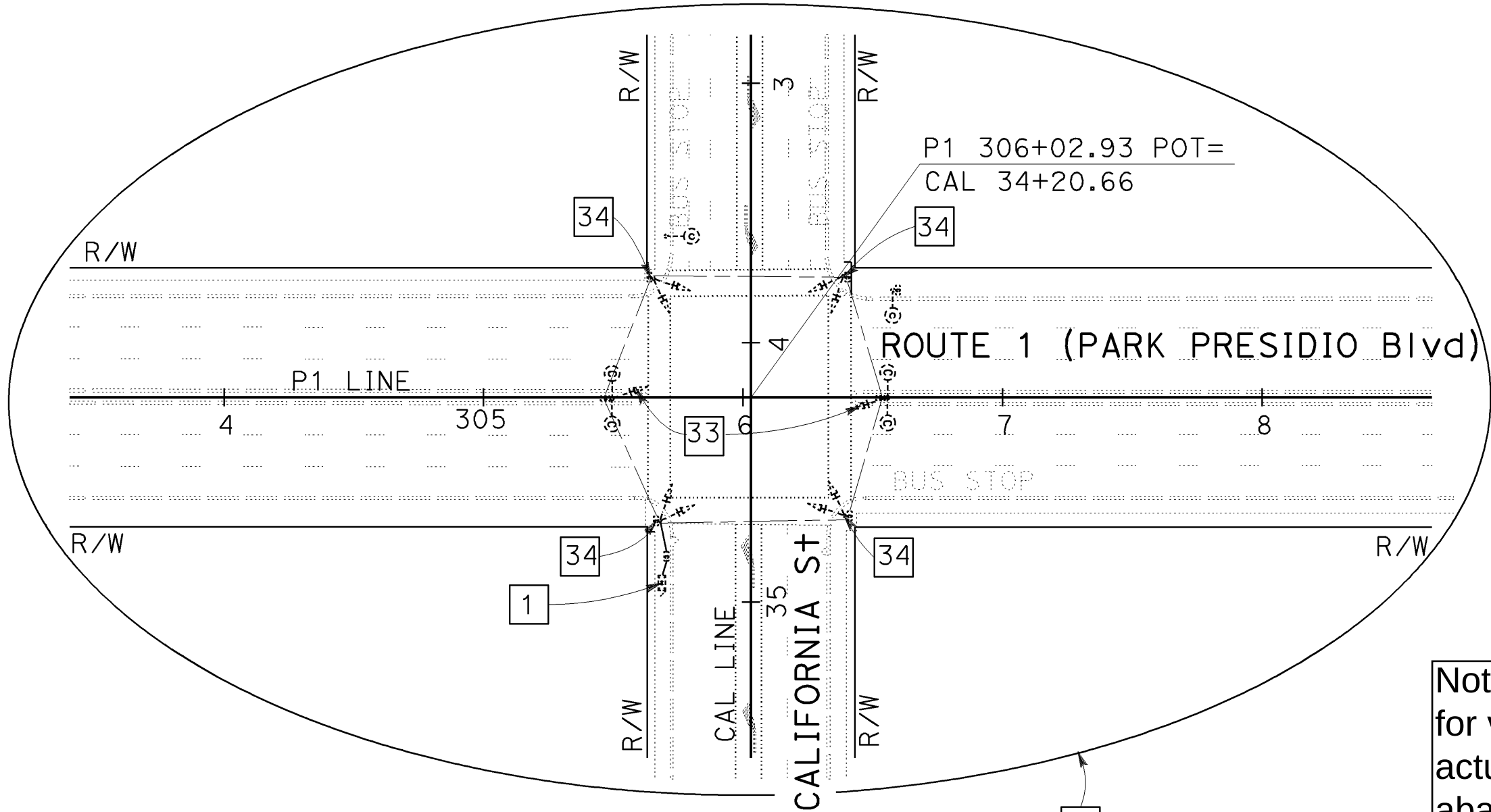


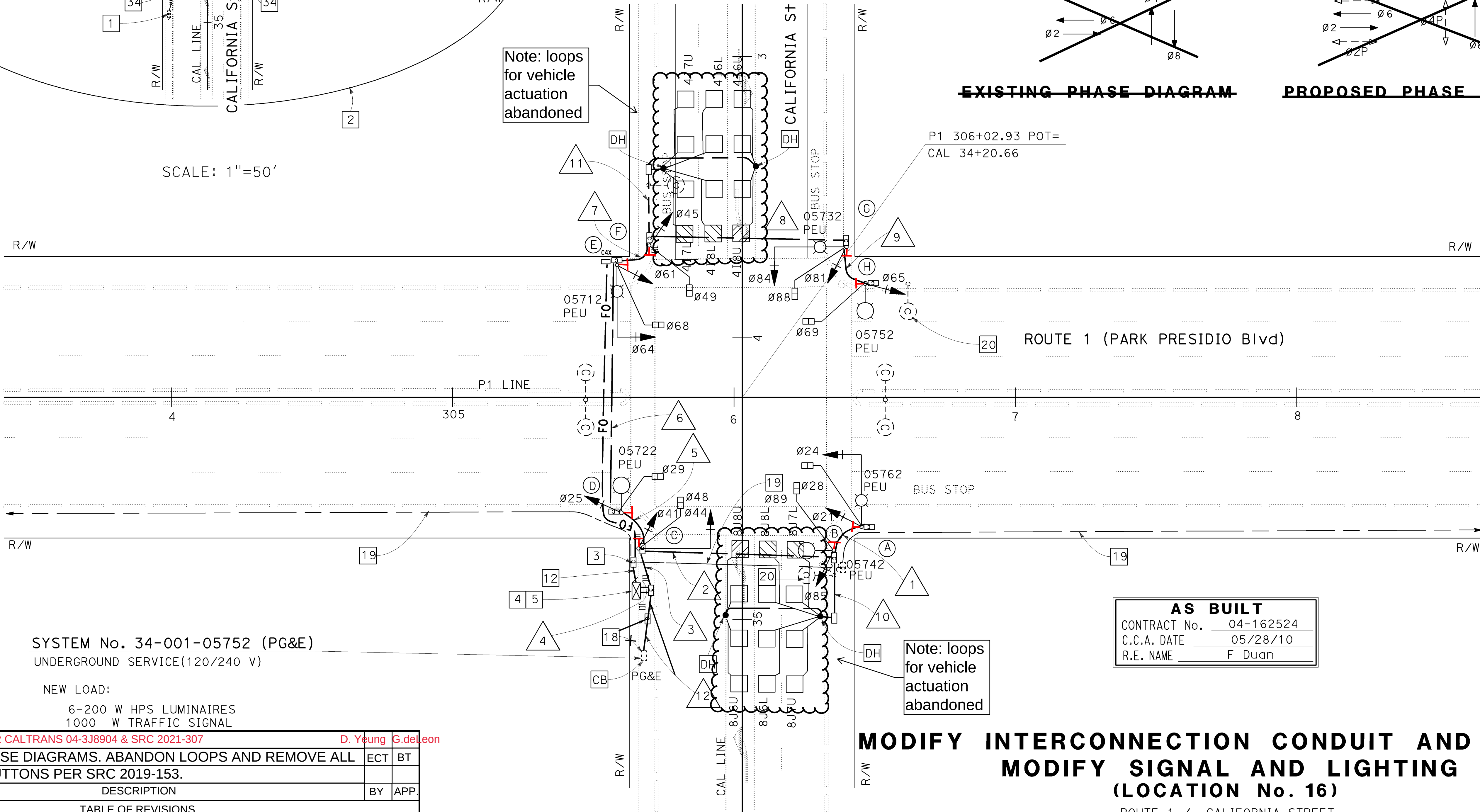
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		FUNCTIONAL SUPERVISOR		KENNETH Y. XU	
ELECTRICAL		CALCULATED/DESIGNED BY		CHECKED BY	
HENRY Q. GU		REVISOR		DATE	
KENNETH Y. XU		REVISOR		DATE	



SCALE: 1"=50'

Note: loops for vehicle actuation abandoned



SYSTEM No. 34-001-05752 (PG&E)
UNDERGROUND SERVICE(120/240 V)

NEW LOAD:

6-200 W HPS LUMINAIRES
1000 W TRAFFIC SIGNAL

2	1-4-22	INSTALL APS PER CALTRANS 04-3J8904 & SRC 2021-307	D. Yeung	G.deLeon
1	5/5/2020	REMOVE PHASE DIAGRAMS. ABANDON LOOPS AND REMOVE ALL PED PUSH BUTTONS PER SRC 2019-153.	ECT	BT
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY

Signal Switch Over on 03-24-2009

~~EXISTING PHASE DIAGRAM~~

~~PROPOSED PHASE DIAGRAM~~

AS BUILT	
CONTRACT No.	04-162524
C.C.A. DATE	05/28/10
R.E. NAME	F Duan

**MODIFY INTERCONNECTION CONDUIT AND CABLE
MODIFY SIGNAL AND LIGHTING
(LOCATION No. 16)**

ROUTE 1 / CALIFORNIA STREET

E-31

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STATE OF CALIFORNIA



DEPARTMENT OF TRANSPORTATION

FUNCTIONAL SUPERVISOR

KENNETH Y. XU

CALCULATED/DESIGNED BY

CHECKED BY

HENRY Q. GU

KENNETH Y. XU

REVISED BY

DATE REVISED

2 NO	1-4-22 DATE	INSTALL APS PER CALTRANS 04-3J8904 & SRC 2021-307 DESCRIPTION	D. Yeung BY	G. de Leon APP
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CONDUCTOR SCHEDULE													
CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS												
	RUN NUMBER												
	1	2	3	4	5	6	7	8	9	10	11	12	
No. 14 CONDUCTORS													
ø21, ø24, ø25	6	6	9	9	3								
ø41, ø44, ø45			9	9	3	3	3						
ø61, ø64, ø65			9	9	9	9	3	3	3				
ø81, ø84, ø85		3	9	9	6	6	6	6					
ø28, ø29	2	2	4	4	2								
ø48, ø49			4	4	2	2	2						
ø68, ø69			4	4	4	4	2	2	2				
ø88, ø89		2	4	4	2	2	2	2					
APS PPB (ø28, ø29)		2+	4	2	4	2							
APS PPB (ø48, ø49)			4	2	4	2	4	2	+				
APS PPB (ø68, ø69)			4	2	4	2	4	2	+				
APS PPB (ø88, ø89)		2+	2+	4	2	4	2	+	2	+	2	+	
PPB NEUTRAL	1	1	2	2	1	1	1	1	1				
SPARE	3	3	6	6	3	3	3	3	3				
(TOTAL No. 14	13	19	68	68	40	34	25	19	10	)			
No. 8 CONDUCTORS													
SIGNAL NEUTRAL	1	1	2	2	1	1	1	1	1				
LIGHTING(240 V)	2	2		2	2	2	2	2	2			2	
TOTAL No. 8	3	3	2	4	3	3	3	3	3			2	
No. 6 CONDUCTORS													
120 V SERVICE TO CONTROLLER												2	
TOTAL No. 6												2	
DETECTOR CABLES (TYPE B)													
4I6U			1	1	1	1	1					1	
4I6L			1	1	1	1	1					1	
4I7U			1	1	1	1	1					1	
4I7L			1	1	1	1	1					1	
4I8U			1	1	1	1	1					1	
4I8L			1	1	1	1	1					1	
8J6U		1	1	1								1	
8J6L		1	1	1								1	
8J7U		1	1	1								1	
8J7L		1	1	1								1	
8J8U		1	1	1								1	
8J8L		1	1	1								1	
TOTAL DETECTOR CABLES		6	12	12	6	6	6				6	6	
CONDUIT SIZE	2	2 1/2	2	3	2	3	3	2	2	1 1/2	1 1/2	1 1/2	

Note: loops
for vehicle
actuation
abandoned

NOTE: (FOR THIS SHEET ONLY)
SEE SIGNING PLANS FOR SIGN INSTALLATION REQUIREMENTS.

POLE AND EQUIPMENT SCHEDULE									
LOCATION	STANDARD			VEH SIGNAL MOUNTING		PED SIGNAL MOUNTING	APS PPB	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT
	TYPE	SMA (ft)	LMA (ft)	MAST ARM	POLE		Ø		
(A)	19-2-100	25	8 1/2	MAS	SV-1-T	SP-1-T	89	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(B)	15TS		8 1/2		SV-1-T	SP-1-T	28	200	
(C)	18-2-100	25		MAS	SV-1-T	SP-1-T	29		INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(D)	15TS		1/2		SV-1-T	SP-1-T	48	200	
(E)	19-2-100	25	8 1/2	MAS	SV-1-T	SP-1-T	49	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(F)	1-A				TV-1-T	SP-1-T	68		
(G)	19-2-100	25	8 1/2	MAS	SV-1-T	SP-1-T	69	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(H)	15TS		8 1/2		SV-1-T	SP-1-T	88	200	

AS BUILT	
CONTRACT No.	04-162524
C.C.A. DATE	05/28/10
R.E. NAME	F Duan

MODIFY SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 16)
ROUTE 1 / CALIFORNIA STREET

