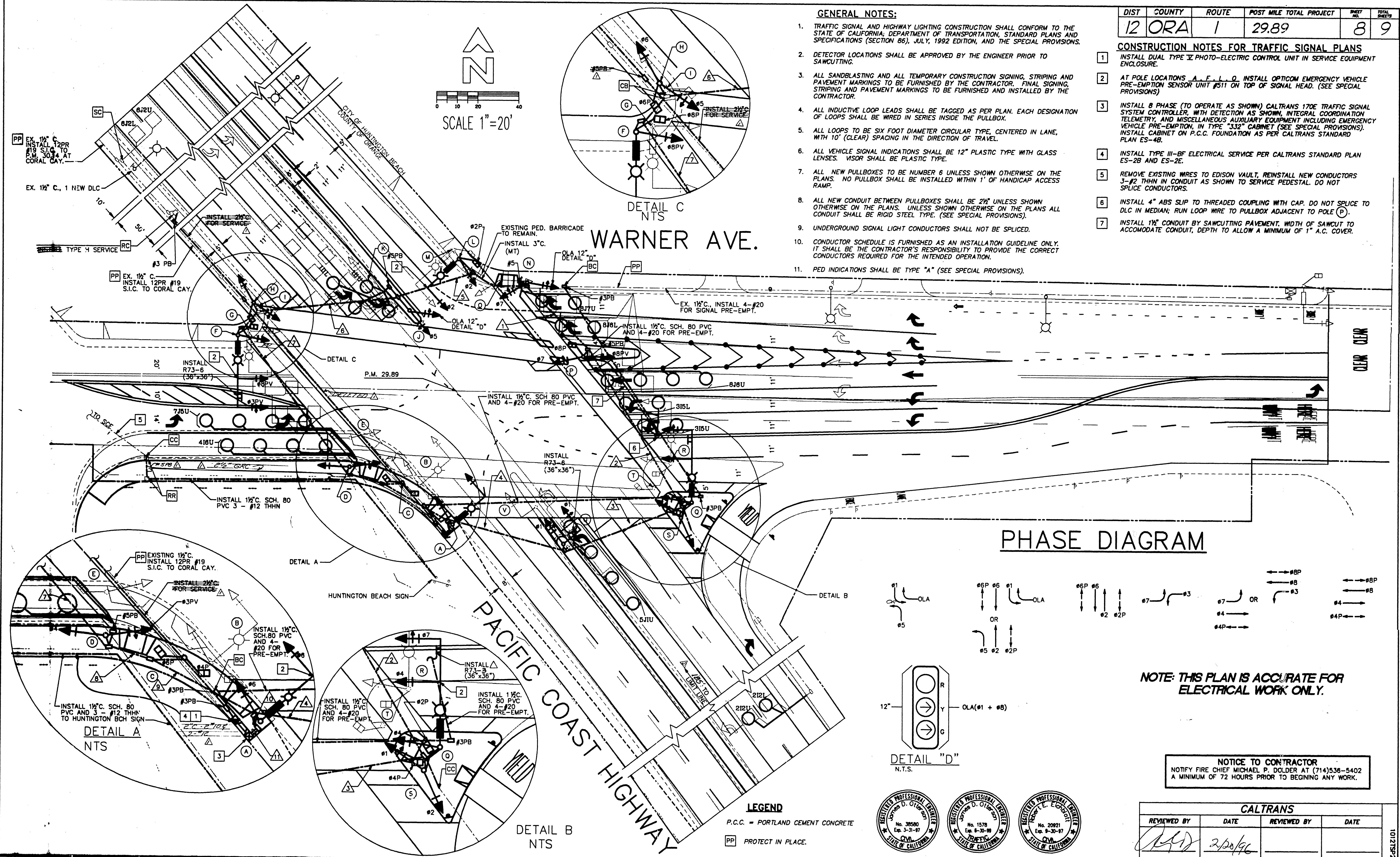




GENERAL NOTES:

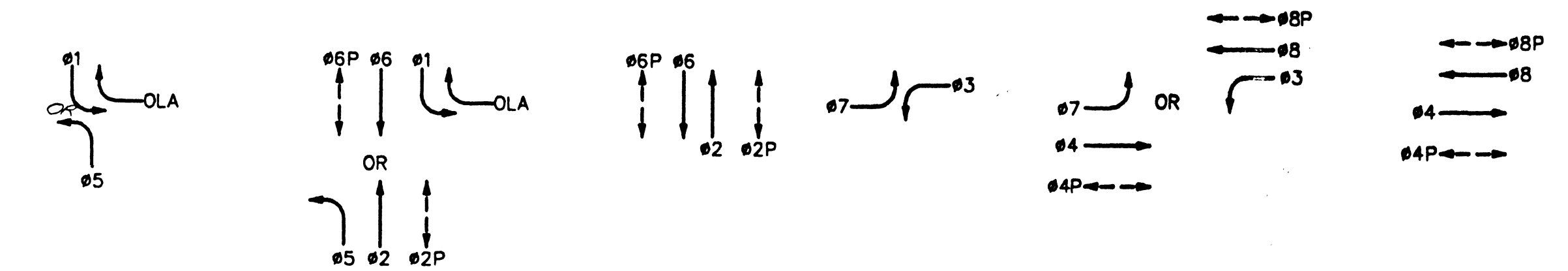
1. TRAFFIC SIGNAL AND HIGHWAY LIGHTING CONSTRUCTION SHALL CONFORM TO THE STATE OF CALIFORNIA; DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND SPECIFICATIONS (SECTION 66), JULY, 1992 EDITION, AND THE SPECIAL PROVISIONS.
2. DETECTOR LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO SAWCUTTING.
3. ALL SANDBLASTING AND ALL TEMPORARY CONSTRUCTION SIGNING, STRIPING AND PAVEMENT MARKINGS TO BE FURNISHED BY THE CONTRACTOR. FINAL SIGNING, STRIPING AND PAVEMENT MARKINGS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
4. ALL INDUCTIVE LOOP LEADS SHALL BE TAGGED AS PER PLAN. EACH DESIGNATION OF LOOPS SHALL BE WIRED IN SERIES INSIDE THE PULLBOX.
5. ALL LOOPS TO BE SIX FOOT DIAMETER CIRCULAR TYPE, CENTERED IN LANE, WITH 10' (CLEAR) SPACING IN THE DIRECTION OF TRAVEL.
6. ALL VEHICLE SIGNAL INDICATIONS SHALL BE 12" PLASTIC TYPE WITH GLASS LENSES. VISOR SHALL BE PLASTIC TYPE.
7. ALL NEW PULLBOXES TO BE NUMBER 6 UNLESS SHOWN OTHERWISE ON THE PLANS. NO PULLBOX SHALL BE INSTALLED WITHIN 1' OF HANDICAP ACCESS RAMP.
8. ALL NEW CONDUIT BETWEEN PULLBOXES SHALL BE 2" UNLESS SHOWN OTHERWISE ON THE PLANS. UNLESS SHOWN OTHERWISE ON THE PLANS ALL CONDUIT SHALL BE RIGID STEEL TYPE. (SEE SPECIAL PROVISIONS).
9. UNDERGROUND SIGNAL LIGHT CONDUCTORS SHALL NOT BE SPLICED.
10. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
11. PED INDICATIONS SHALL BE TYPE "A" (SEE SPECIAL PROVISIONS).

DIST	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	ORA	1	29.89	8	9

CONSTRUCTION NOTES FOR TRAFFIC SIGNAL PLANS

1. INSTALL DUAL TYPE X PHOTO-ELECTRIC CONTROL UNIT IN SERVICE EQUIPMENT ENCLOSURE.
2. AT POLE LOCATIONS A, F, L, O, INSTALL OPTICOM EMERGENCY VEHICLE PRE-EMPTION SENSOR UNIT #511 ON TOP OF SIGNAL HEAD. (SEE SPECIAL PROVISIONS)
3. INSTALL 8 PHASE (TO OPERATE AS SHOWN) CALTRANS 170E TRAFFIC SIGNAL SYSTEM CONTROLLER, WITH DETECTION AS SHOWN, INTEGRAL COORDINATION TELEMETRY, AND MISCELLANEOUS AUXILIARY EQUIPMENT INCLUDING EMERGENCY VEHICLE PRE-EMPTION, IN TYPE "332" CABINET (SEE SPECIAL PROVISIONS). INSTALL CABINET ON P.C.C. FOUNDATION AS PER CALTRANS STANDARD PLAN ES-48.
4. INSTALL TYPE III-BF ELECTRICAL SERVICE PER CALTRANS STANDARD PLAN ES-28 AND ES-2E.
5. REMOVE EXISTING WIRES TO EDISON VAULT, REINSTALL NEW CONDUCTORS 3-#2 THHN IN CONDUIT AS SHOWN TO SERVICE PEDESTAL. DO NOT SPLICE CONDUCTORS.
6. INSTALL 4" ABS SLIP TO THREADED COUPLING WITH CAP. DO NOT SPLICE TO DLC IN MEDIAN; RUN LOOP WIRE TO PULLBOX ADJACENT TO POLE (P).
7. INSTALL 1" CONDUIT BY SAWCUTTING PAVEMENT. WIDTH OF SAWCUT TO ACCOMMODATE CONDUIT, DEPTH TO ALLOW A MINIMUM OF 1" A.C. COVER.

PHASE DIAGRAM



NOTE: THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

NOTICE TO CONTRACTOR
NOTIFY FIRE CHIEF MICHAEL P. DOLDER AT (714)536-5402
A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY WORK.

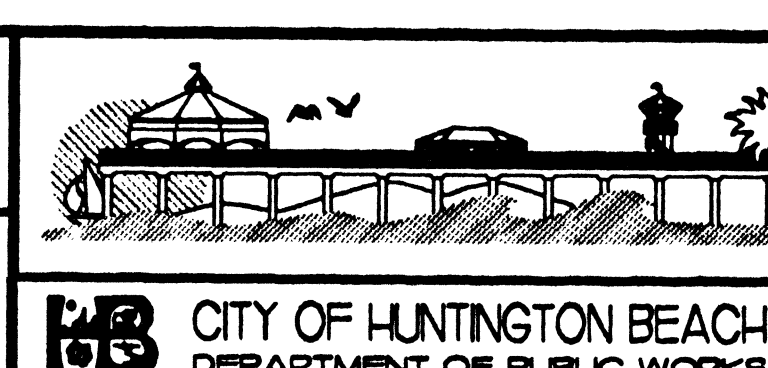
CALTRANS			
REVIEWED BY	DATE	REVIEWED BY	DATE
<i>[Signature]</i>	2/20/96		

Underground Service Alert
Call TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

REV.	DATE	BY	DESCRIPTION	APP'D	REV.	DATE	BY	DESCRIPTION	APP'D
1	1/14/97	J. ALIRE	CHANGED LOCATION SERVICE LOCATION FROM N.W. CORNER TO S.W. CORNER NEAR BEACH ENTRANCE						
2	1/14/97	J. ALIRE	CHANGED FROM 2" TO 1.5"						

DRAWN BY:	J. ALIRE	10-17-95
DESIGNED BY:		
CHECKED BY:		

PREPARED UNDER THE SUPERVISION OF:
Traffic Engineer James D. Otterberg
R.C.E. NO.: 38560 RTE 1578 DATE: 1/14/97
APPROVED BY:
CITY ENGINEER, ROBERT E. EICHBLATT, P.E.
R.C.E. NO.: 20921 DATE: 1/14/97



TRAFFIC SIGNAL PLAN
WARNER AVENUE
AT PACIFIC COAST HIGHWAY
CC-1012
SHEET NO. 8 of 9

DR 8 (16177)

CONDUCTOR SCHEDULE													
POLE	CABLE	CIRCUIT											
12/45/3 CONDUCTOR CABLE - CONDUCTOR - OLA ONLY		06,04PPB	04P,06P	03,04,06PPB,04BPB	03,08,08P,06PPB	05,06,06P,08PPB,06BPB	OLA,05,08PPB	02,02P	OLA,07,02PPB	07,08,08P,02PPB,08PPB,08BPB	04,07,04P,02PPB	01,02,02P,04PPB,02BPB	01,04
		-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-
#12		TOTAL CABLES											
		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
		LUMINAIRES	-	-	1	1	1	1	2	2	2	4	4
		IISNS	-	-	1	1	1	1	2	2	2	4	4
		COMMON	-	-	2	2	2	2	2	2	2	4	4
		01	-	-	-	-	-	-	2	2	2	2	2
		OLA	2	2	2	2	-	-	-	-	-	2	2
		02	-	-	2	2	-	-	-	-	-	2	2
		03	-	-	2	2	-	-	-	-	-	2	2
		04	-	-	-	-	-	-	-	-	-	-	-
DLC TYPE C		05	-	-	-	-	-	-	-	-	-	1	1
		06	-	-	-	-	-	-	2	2	2	2	2
		07	-	-	-	-	-	-	-	-	-	1	1
		08	-	-	-	-	-	-	-	-	-	1	1
		TOTAL	2	5	7	8	-	-	2	4	6	15	15
		Interconnect Cable	-	-	-	-	-	-	-	-	-	-	-
		Emerg. Prt-Empt Cable	-	-	-	-	-	-	-	-	-	-	-
		CONDUIT SIZE	3"	3"	3"	3"	3"	3"	3"	3"	3"	2-3"	3-3"

SENSOR SCHEDULE			
SENSOR	DETECTOR		DETECTOR
1	111L	(2)	11 7J5U (4)
2	111U	(2)	12 816U (2)
3	212L	(1)	13 OLA 8J6L (2)
4	212U	(1)	14 OLA 8J7U (2)
5	315U	(2)	15 -
6	315L	(4)	16 -
7	416U	(2)	17 -
8	5J1U	(4)	18 -
9	612L	(1)	19 -
10	612U	(1)	20 -

(#) = NUMBER OF LOOPS PER SENSOR.

POLE SCHEDULE													
	STANDARD			VEH. SIG. MTG		PED SIGNAL	PPB / BPB			H.P.S.V. LUM	I.I.S.N.S.	SPECIAL REQUIRMENTS	
No	TYPE	SIG. M.A.	LUM M.A.	MA	POLE	PED	PHASE	QUAD.	ARROW	WATTS			
(A)	17A-2-80	20'	12'	MAS	SV-1-T	-	4	N	←	310	Warner		
(B)	17-1-80 (E)	20'	12'	MAS	SV-1-T	SP-1-T	8	N	-	250	Warner	RS POLE RC IISNS	
(C)	1A (7') Δ	-	-	-	-	TP-2-T	-	-	-	-	-		
(D)	1A	-	-	-	TV-2-T	-	6/4 ●	NE/N ●	↗↖	-	-		
(E)	1A (E)	-	-	-	TV-1-T	SP-1-T	2/8 ●	NE	→	-	-	RS	
(F)	24A-4-80	35'	12'	2-MAS	SV-1-T	SP-1-T	6	NE	←	310	Pacific Coast Highway	R73-6(36" x 36")	
(G)	17-1-80 (E)	20'	12'	MAS	SV-1-T	-	2	NE	←	250	Pacific Coast Highway	RS POLE RC IISNS	
(H)	1A	-	-	-	SV-2-T	SP-1-T	8/6 ●	S/NE ●	↘↗	-	-		
(I)	1A (E)	-	-	-	TV-2-T	SP-1-T	8	-	-	-	-	RS	
(J)	T33	-	-	-	Δ SV-2-T	-	8	S	↔	-	-		
(K)	1A (E)	-	-	-	TV-2-T	SP-1-T	-	-	-	-	-	RS POLE (K) RR R73-3 TO POLE (J)	
(L)	19A-2-80	20'	12'	MAS	SV-1-T	SP-1-T	-	-	-	310	Warner		
(M)	19-1-70 (E)	25'	12'	MAS	SV-1-T	SP-1-T	-	-	-	250	Warner	RS POLE RC IISNS	
(N)	1A	-	-	-	TV-2-T	-	2	SW	→	-	-		
(O)	1A (E)	-	-	-	TV-2-T	-	6	SW	→	-	-	RS	
(P)	1A	-	-	-	TV-2-T	SP-1-T	2/8/8 ●	W/N/S ●	↔↔↔	-	-		
(Q)	24A-4-80	35'	12'	2-MAS	SV-1-T	SP-1-T	2	SW	←	310	Pacific Coast Highway	R73-3 (36" x 36") N Δ	
(R)	19-1-80 (E)	30'	12'	MAS	SV-1-T	SP-1-T	6	SW	←	250	Pacific Coast Highway	RS POLE RC IISNS	
(S)	1A	-	-	-	TV-2-T	SP-1-T	4/2 ●	N/SW ●	↗↖	-	-	RS	
(T)	1A (E)	-	-	-	-	SP-1-T	6	N	→	-	-		
(U)	T-33	8'	-	MAS	SV-1-T	-	-	-	-	-	-	R73-6(36" x 36")	
(V)	SPECIAL STD(E)	-	-	MAS	-	-	-	-	-	-	-	RS POLE (U) RR R73-6 TO POLE (U)	

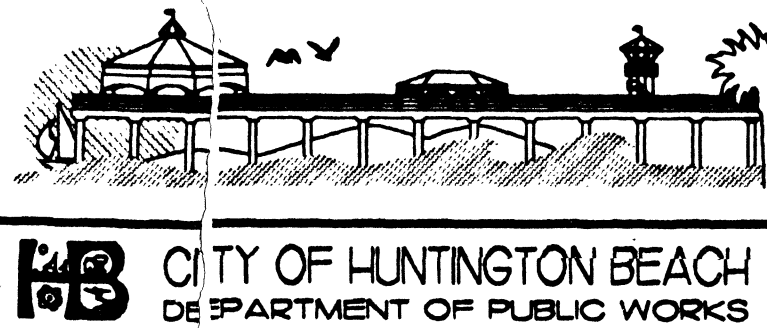
I.I.S.N.S. = INTERNALLY-ILLUMINATED STREET NAME SIGN.
● = BPB = BICYCLE PUSH BUTTON WITH R62C SIGN.
(E) = EXISTING
ALL EQUIPMENT NEW UNLESS OTHERWISE NOTED.



REVISIONS							
REV.	DATE	BY	DESCRIPTION	APP'VD	REV.	DATE	BY
1	6/25/97	ERC	PER "AS-BUILT" CONDITIONS	1/8/97	2		

DRAWN BY: J. Alire 10-25-95
DESIGNED BY: T. Elliott 8-16-95
CHECKED BY: T. Elliott 11-2-95

PREPARED UNDER THE SUPERVISION OF:
Traffic Engineer James D. Otterson
R.C.E. NO.: 38580 RTE 1578 DATE: 1/16/96
APPROVED BY: [Signature]
CITY ENGINEER, ROBERT E. EICHBLATT, P.E.
R.C.E. NO.: 20921 DATE: 1/16/96



CALTRANS			
REVIEWED BY	DATE	REVIEWED BY	DATE
[Signature]	2/20/96		

TRAFFIC SIGNAL SCHEDULE
PACIFIC COAST HIGHWAY
AT WARNER
CC-1012

SHEET NO. 9 OF 9

DR. 8 (16177)