

INDEX OF PLANS

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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN HUMBOLDT COUNTY NEAR HOOPA
FROM 4.3 MILES WEST OF
TISH TANG CAMPGROUND
TO SUPPLY CREEK BRIDGE**

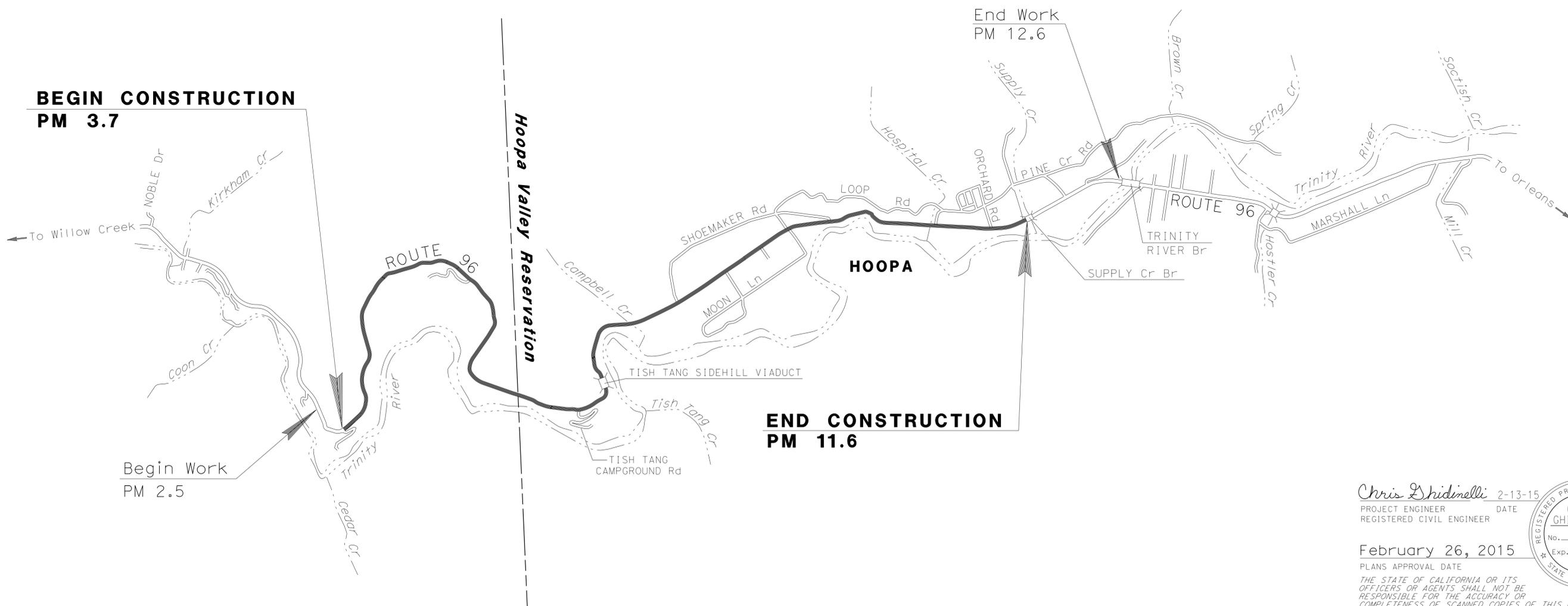
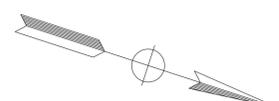
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	1	9





LOCATION MAP



PROJECT MANAGER
R. B. MCCARTHY
DESIGN MANAGER
R. B. MCCARTHY

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

Chris Ghidinelli 2-13-15
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
 February 26, 2015
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No.	01-0C9404
PROJECT ID	0113000080

DATE PLOTTED => 26-FEB-2015
 TIME PLOTTED => 11:16
 00-00-00

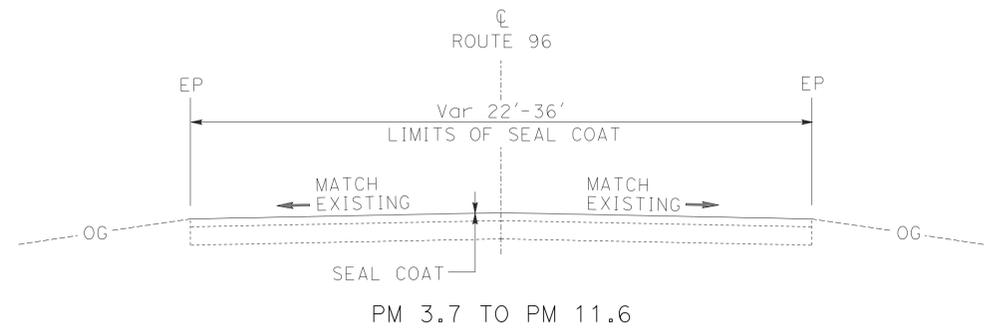
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	2	9

Chris Ghidinelli
 REGISTERED CIVIL ENGINEER
 No. 77294
 Exp. 6-30-15
 CIVIL
 STATE OF CALIFORNIA

February 26, 2015
 PLANS APPROVAL DATE

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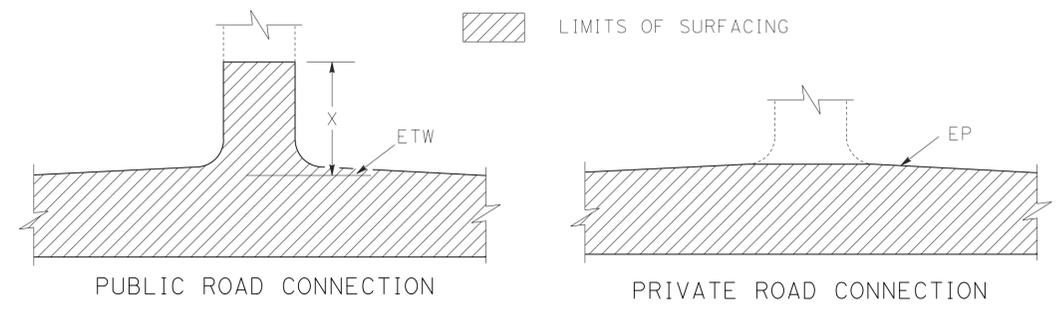
- NOTES:
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 - IN AREAS WHERE THE WIDTH OF THE EXISTING SURFACING VARIES FROM THAT SHOWN, THE CONTRACTOR SHALL VARY THE WIDTH OF THE PAVING OPERATIONS AS DIRECTED BY THE ENGINEER.
 - EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



TYPICAL CROSS SECTION
NO SCALE

LOCATION	PM	X FT
TISH TANG CAMPGROUND Rd	8.07 Lt	31
SHOEMAKER Rd	9.19 Lt	27
MILL COMPANY Rd	9.55 Rt	30
BOOZER Ln	9.82 Lt	36
CAMPBELL FIELD Rd	10.05 Rt	29
CAMPBELL FIELD Rd	10.05 Lt	34
SHOEMAKER Rd	10.31 Lt	28
LOOP Rd	11.02 Lt	31
HIGH SCHOOL Rd	11.33 Lt	32
BAIR Rd	11.57 Lt	87

LEGEND



LIMITS OF SURFACING FOR PUBLIC ROAD CONNECTIONS

NO SCALE

ROADWAY QUANTITIES

LOCATION (PM)		AVERAGE WIDTH (N)	ASPHALT-RUBBER BINDER	SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
FROM	TO	FT	TON				
3.7	4.50	24	28.16	168.96	2.82	20.28	
4.43	4.50	28	2.19	13.16	0.22	1.58	WIDE SHOULDER
4.50	4.90	24	14.08	84.48	1.41	10.14	
4.60	4.83	13	4.15	24.92	0.42	2.99	WIDE SHOULDER
4.90	5.11	24	7.39	44.36	0.74	5.32	
5.11	5.38	24	9.51	57.04	0.95	6.84	
5.28	5.47	21	5.54	33.25	0.55	3.99	WIDE SHOULDER
5.38	5.50	24	4.23	25.36	0.42	3.04	
5.43	5.47	6	0.38	2.28	0.04	0.27	WIDE SHOULDER
5.50	6.00	26	19.07	114.40	1.91	13.73	
5.88	6.07	13.5	4.44	26.66	0.44	3.20	WIDE SHOULDER
6.00	R6.48	24	16.89	101.36	1.69	12.16	
R6.48 EQUATES TO 6.53							
6.53	6.62	24	3.17	19.00	0.32	2.28	
6.62	6.88	24	9.15	54.92	0.92	6.59	
6.88	8.12	27	49.10	294.62	4.91	35.35	
7.35	7.39	12	0.75	4.50	0.08	0.54	WIDE SHOULDER
7.94	8.08	15	2.48	14.85	0.25	1.78	WIDE SHOULDER
8.05		83.5	0.72	4.31	0.07	0.52	TISH TANG CAMPGROUND Rd
8.12	8.26	32	6.57	39.41	0.66	4.73	
8.26	8.29	32	1.40	8.43	0.14	1.01	
8.29	8.31	32	0.94	5.65	0.09	0.68	
8.31	8.35	32	1.88	11.25	0.19	1.35	
8.35	8.48	29	5.53	33.16	0.55	3.98	
8.48	8.61	26	4.95	29.73	0.50	3.57	
8.61	8.81	24	7.04	42.24	0.70	5.07	
8.81	9.30	22	15.81	94.86	1.58	11.38	
9.19		39	0.29	1.76	0.03	0.21	SHOEMAKER Rd
9.30	10.20	22	29.04	174.24	2.90	20.91	
9.55		160.5	1.34	8.03	0.13	0.96	MILL COMPANY Rd
9.82		51	0.51	3.06	0.05	0.37	BOOZER Ln
10.05		53	0.43	2.56	0.04	0.31	CAMPBELL FIELD Rd
10.05		27.5	0.54	3.26	0.05	0.39	CAMPBELL FIELD Rd
10.20	10.36	27	6.34	38.03	0.63	4.56	
10.31		79	0.61	3.69	0.06	0.44	SHOEMAKER Rd
10.36	10.75	27	15.44	92.66	1.54	11.12	
10.75	10.95	22	6.45	38.72	0.65	4.65	
10.95	11.47	27	20.60	123.57	2.06	14.83	
11.02		80	0.69	4.13	0.07	0.50	LOOP Rd
11.33		82	0.73	4.37	0.07	0.52	HIGH SCHOOL
11.47	11.62	36	7.92	47.52	0.79	5.70	
11.57		66	1.60	9.57	0.16	1.15	BAIR Rd
TOTAL			318.05	1908.33	31.80	228.99	

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

TYPICAL CROSS SECTION CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES

P:\PROJ\01\00940\0940.dgn - DEPARTMENT OF TRANSPORTATION - MAINTENANCE DESIGN
 STATE OF CALIFORNIA
 Chris Ghidinelli
 Gavin Keating
 R.B. McCarthy
 7/2/2010

LAST REVISION DATE PLOTTED => 26-FEB-2015
 00-00-00 TIME PLOTTED => 11:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	3	9

<i>Chris Ghidinelli</i>		2-13-15
REGISTERED CIVIL ENGINEER	DATE	
February 26, 2015		
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER	CHRIS GHIDINELLI
No. 77294	Exp. 6-30-15
CIVIL	
STATE OF CALIFORNIA	

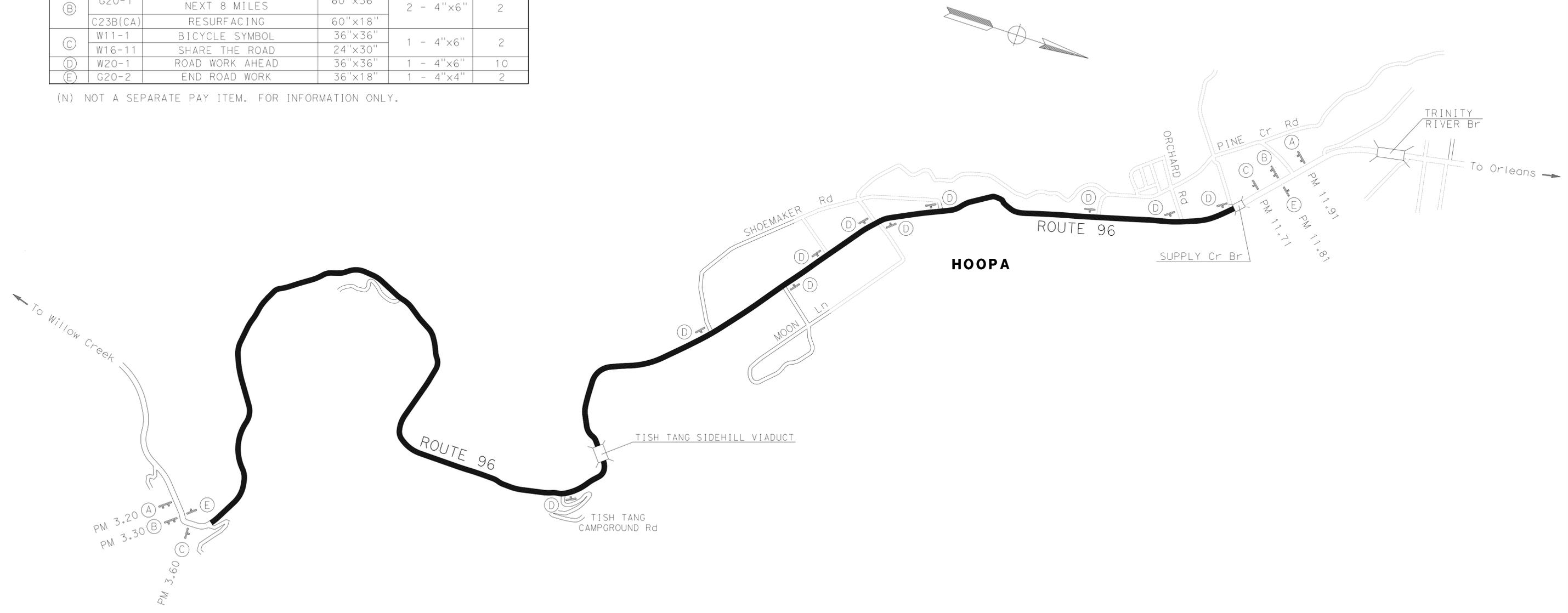
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:
 1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND SIZE	No. OF SIGNS (N)
(A)	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	108"x42"	2 - 6"x6"	2
(B)	G20-1	ROAD CONSTRUCTION NEXT 8 MILES	60"x36"	2 - 4"x6"	2
	C23B(CA)	RESURFACING	60"x18"		
(C)	W11-1	BICYCLE SYMBOL	36"x36"	1 - 4"x6"	2
	W16-11	SHARE THE ROAD	24"x30"		
(D)	W20-1	ROAD WORK AHEAD	36"x36"	1 - 4"x6"	10
(E)	G20-2	END ROAD WORK	36"x18"	1 - 4"x4"	2

(N) NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.



NO SCALE

P:\PROJ\01\00940\00940.dwg
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans MAINTENANCE DESIGN
 R.B. MCCARTHY
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 DESIGNED BY
 GAVIN KEATING
 CHRIS GHIDINELLI
 REVISED BY
 DATE REVISED

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS CS-1

LAST REVISION DATE PLOTTED => 26-FEB-2015
 00-00-00 TIME PLOTTED => 11:16

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 EtCaltrans® TRAFFIC OPERATIONS
 FUNCTIONAL SUPERVISOR: TROY A. ARSENEAU
 CALCULATED/DESIGNED BY: TROY A. ARSENEAU
 CHECKED BY: TROY A. ARSENEAU
 REVISIONS: SHERI M. RODRIGUEZ, TROY A. ARSENEAU
 REVISED BY: SHERI M. RODRIGUEZ, TROY A. ARSENEAU
 DATE REVISED:

- NOTES:**
- CALIFORNIA CODES ARE DESIGNATED BY (CA). OTHERWISE, FEDERAL (MUTCD) CODES ARE SHOWN.
 - ALL SIGNS SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND AND SHALL BE EQUIPPED WITH AT LEAST TWO 16" x 16" ORANGE FLAGS FOR DAYTIME CLOSURE OR FLASHING BEACONS FOR LANE CLOSURE DURING HOURS OF DARKNESS.
 - ALL CONES USED FOR LANE CLOSURES DURING THE HOURS OF DARKNESS SHALL BE FITTED WITH RETROREFLECTIVE BANDS OR SLEEVES.
 - WHEN A PILOT CAR IS USED, PLACE A C37 (CA) SIGN AT ALL INTERSECTIONS WITHIN TRAFFIC CONTROL AREA. WHERE VEHICULAR TRAFFIC CAN NOT EFFECTIVELY SELF-REGULATE, AT LEAST ONE FLAGGER SHALL BE USED AT EACH INTERSECTION WITHIN THE TRAFFIC CONTROL AREA.
 - FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, FACING TRAFFIC AT ALL TIMES, BE VISIBLE TO APPROACHING TRAFFIC AS WELL AS APPROACHING VEHICLES AFTER THE FIRST VEHICLE HAS STOPPED.
 - ADDITIONAL ADVANCE FLAGGERS ARE REQUIRED.
 - WHEN FLAGGER IS NOT VISIBLE FROM THIS LOCATION PLACE A C29 (CA) SIGN BELOW THE C9A (CA) SIGN.



SIGN PANEL SIZE (MINIMUM)

A	48" x 48" - SPEED OF 45 mph OR MORE 36" x 36" - SPEED LESS THAN 45 mph
B	30" x 30"
C	UNUSED
D	UNUSED
E	20" x 7"

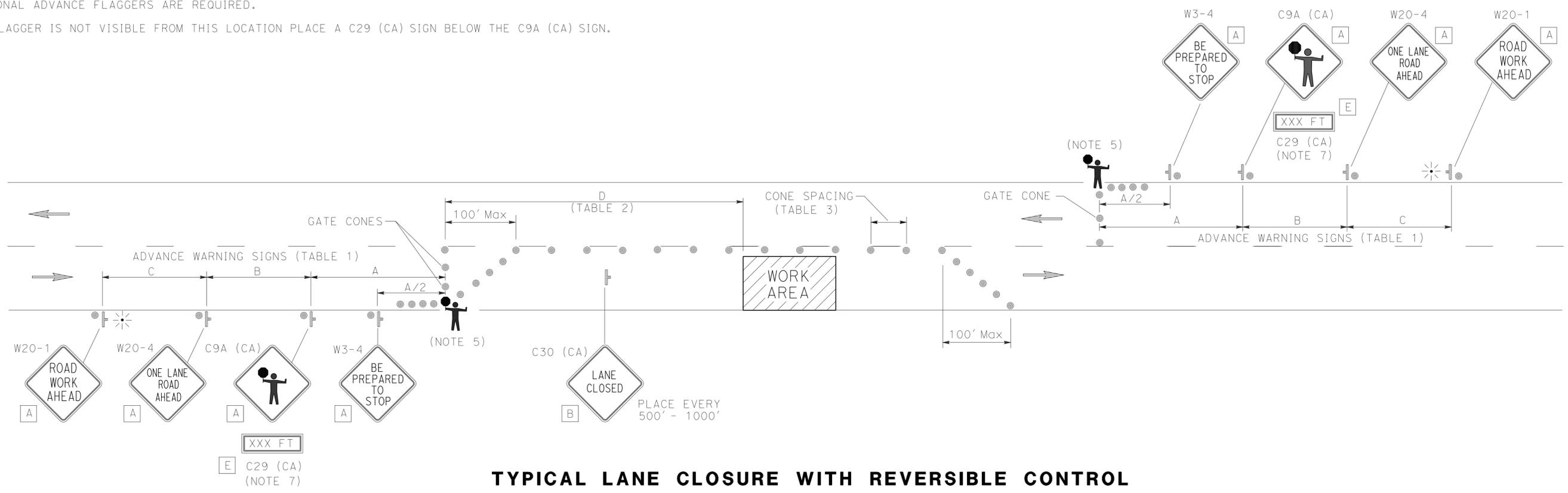
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	4	9

Sheri M. Rodriguez 2-17-15
 REGISTERED CIVIL ENGINEER DATE

February 26, 2015
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 SHERI M. RODRIGUEZ
 No. C66861
 Exp. 9-30-16
 CIVIL
 STATE OF CALIFORNIA



TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TABLE 1
ADVANCE WARNING SIGN SPACING

ROAD TYPE	Min A	Min B	Min C
	ft		
URBAN (25 mph OR LESS)	100	100	100
URBAN (30 mph TO 40 mph)	250	250	250
URBAN (MORE THAN 40 mph)	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

TABLE 2
BUFFER SPACE

APPROACH SPEED	Min D	DOWNGRADE Min D		
		-3%*	-6%*	-9%*
ft				
25 & BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

TABLE 3
Max CONE SPACING

POSTED SPEED	TAPER	TANGENT	CONFLICT
	ft		
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32

TRAFFIC HANDLING PLAN
NO SCALE

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TH-1

LAST REVISION: DATE PLOTTED => 26-FEB-2015
 2-17-15 TIME PLOTTED => 11:16

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM)	L+/R+	DETAIL NUMBER	DETAIL LENGTH (N)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER (RETROREFLECTIVE)			REMARKS	
					8 INCH SOLID WHITE	4 INCH SOLID WHITE	4 INCH SOLID YELLOW	4 INCH YELLOW (BROKEN 36-12)	4 INCH WHITE (BROKEN 12-3)	TYPE D YELLOW (TWO WAY)	TYPE H YELLOW (ONE WAY)	TYPE G CLEAR (ONE WAY)		
FROM	TO				LF					EA				
3.70	R6.48		22	14678			29356			1223				
3.70	R6.48	L+	27B	14678		14678								
3.70	R6.48	R+	27B	14678		14678								
R6.48 EQUATES TO 6.53														
6.53	8.04		22	7973			15946			664				
6.53	8.00	L+	27B	7762		7762								
6.53	8.04	R+	27B	7973		7973								
8.02	8.10	L+	38	422	1688	844						18		
8.04	8.07	R+	27C	158					158					
8.05		R+	21	18			36						TISH TANG CAMPGROUND Rd	
8.05	8.75		22	3696			7392			308				
8.07	8.69	R+	27B	3274		3274								
8.13	9.18	L+	27B	5544		5544								
8.69	8.71	R+	27C	106					106					
8.71	8.75	R+	27B	211		211								
8.75	8.76	R+	27C	53					53					
8.75	9.18		22	2270			4540			189				
8.76	9.51	R+	27B	3960		3960								
9.19			21	19			38						SHOEMAKER Rd	
9.19	9.26		19R	370			370	370		8	15			
9.19	9.8	L+	27B	3221		3221								
9.26	9.43		6	898				898		19				
9.43	9.54		19L	581			581	581		12	24			
9.51	9.57	R+	27C	317					317					
9.55			21	23			46						MILL COMPANY Rd	
9.55	9.62		22	370			740			31				
9.57	10.02	R+	27B	2376		2376								
9.62	9.74		6	634				634		13				
9.74	9.81		22	370			740			31				
9.80	9.83	L+	27C	158					158					
9.82			21	30			60						BOOZER Ln	
9.82	10.03		22	1109			2218			92				
9.82	10.02	L+	27B	1056		1056								
10.04	10.29		22	1320			2640			110				
10.02	10.05	L+	27C	158					158					
10.02	10.05	R+	27C	158					158					
10.05		L+	21	26			52						CAMPBELL FIELD Rd	
10.05		R+	21	21			42						CAMPBELL FIELD Rd	
10.05	10.29	L+	27B	1267		1267								
10.05	11.64	R+	27B	8395		8395								
10.29	10.32	L+	27C	158					158					
10.31			21	21			42						SHOEMAKER Rd	
10.30	10.69		22	2059			4118			172				
10.32	10.99	L+	27B	3538		3538								
10.69	10.84		19R	792			792	792		17	33			
10.84	11.01		22	898			1796			75				
10.99	11.02	L+	27C	158					158					
11.02			21	24			48						LOOP Rd	
11.02	11.08		19R	317			317	317		7	13			
11.02	11.35	L+	27B	1742		1742								
11.08	11.27		6	1003				1003		21				
11.27	11.35		19L	422			422	422		9	18			
11.35	11.38	L+	27C	158					158					
11.36	11.61		22	1320			2640			110				
11.37		L+	21	23			46						HIGH SCHOOL Rd	
11.38	11.59	L+	27B	1109		1109								
11.57			21	19			38						BAIR Rd	
11.59	11.62	L+	27C	158					158					
11.61	11.64		22	158			316			13				
11.62	11.64	L+	27B	106		106								
SUBTOTALS					1688	844	80,890	75,372	5017	1740	3124	103	18	
TOTALS					1688	844	156,262	5017	1740		3245			

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01	Hum	96	3.7/11.6	5	9

Chris Ghidinelli 2-13-15
 REGISTERED CIVIL ENGINEER DATE
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PAVEMENT DELINEATION QUANTITIES

PDQ-1

P:\PROJ\01\00940\01\00940.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Chris Ghidinelli
 Gavin Keating
 R.B. McCarthy
 MAINTENANCE DESIGN

LAST REVISION DATE PLOTTED => 26-FEB-2015
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	ORIENTATION	TYPE/LEGEND	AREA	REMARKS
			SQFT	
8.05	R+	STOP	22	TISH TANG CAMPGROUND Rd
8.05	R+	LIMIT LINE	25	TISH TANG CAMPGROUND Rd
9.19	L+	STOP	22	SHOEMAKER Rd
9.19	L+	LIMIT LINE	13	SHOEMAKER Rd
9.55	R+	STOP	22	MILL COMPANY Rd
9.55	R+	STOP	22	MILL COMPANY Rd
9.55	R+	LIMIT LINE	45	MILL COMPANY Rd
9.82	L+	STOP	22	BOOZER Ln
9.82	L+	LIMIT LINE	22	BOOZER Ln
10.05	L+	STOP	22	CAMPBELL FIELD Rd
10.05	L+	LIMIT LINE	25	CAMPBELL FIELD Rd
10.05	R+	STOP	22	CAMPBELL FIELD Rd
10.05	R+	LIMIT LINE	23	CAMPBELL FIELD Rd
10.31	L+	STOP	22	SHOEMAKER Rd
10.31	L+	LIMIT LINE	32	SHOEMAKER Rd
11.02	L+	STOP	22	LOOP Rd
11.02	L+	STOP	22	LOOP Rd
11.02	L+	LIMIT LINE	40	LOOP Rd
11.37	L+	STOP	22	HIGH SCHOOL Rd
11.37	L+	STOP	22	HIGH SCHOOL Rd
11.37	L+	LIMIT LINE	33	HIGH SCHOOL Rd
11.57	L+	STOP	22	BAIR Rd
11.57	L+	LIMIT LINE	38	BAIR Rd
TOTAL			582	

THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	ORIENTATION	TYPE/LEGEND	AREA	REMARKS
			SQFT	
8.05	R+	STOP	22	TISH TANG CAMPGROUND Rd
8.05	R+	LIMIT LINE	25	TISH TANG CAMPGROUND Rd
9.19	L+	STOP	22	SHOEMAKER Rd
9.19	L+	LIMIT LINE	13	SHOEMAKER Rd
9.55	R+	STOP	22	MILL COMPANY Rd
9.55	R+	STOP	22	MILL COMPANY Rd
9.55	R+	LIMIT LINE	45	MILL COMPANY Rd
9.82	L+	STOP	22	BOOZER LN
9.82	L+	LIMIT LINE	22	BOOZER LN
10.05	L+	STOP	22	CAMPBELL FIELD Rd
10.05	L+	LIMIT LINE	25	CAMPBELL FIELD Rd
10.05	R+	STOP	22	CAMPBELL FIELD Rd
10.05	R+	LIMIT LINE	23	CAMPBELL FIELD Rd
10.31	L+	STOP	22	SHOEMAKER Rd
10.31	L+	LIMIT LINE	32	SHOEMAKER Rd
11.02	L+	STOP	22	LOOP Rd
11.02	L+	STOP	22	LOOP Rd
11.02	L+	LIMIT LINE	40	LOOP Rd
11.37	L+	STOP	22	HIGH SCHOOL Rd
11.37	L+	STOP	22	HIGH SCHOOL Rd
11.37	L+	LIMIT LINE	33	HIGH SCHOOL Rd
11.57	L+	STOP	22	BAIR Rd
11.57	L+	LIMIT LINE	38	BAIR Rd
TOTAL			582	

PAVEMENT DELINEATION QUANTITIES

PDQ-2

P:\PROJ\01\00940\00940.dwg - Department of Transportation
 STATE OF CALIFORNIA - MAINTENANCE DESIGN
 Chris Ghidinelli
 Gavin Keating
 R.B. McCarthy

LAST REVISION | DATE PLOTTED => 26-FEB-2015
 00-00-00 | TIME PLOTTED => 11:16

M

P continued

S

T continued

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
MtI	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT
<p>N</p>	
N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE
<p>O</p>	
Obir	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN
<p>P</p>	
p	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm MtI	PERMEABLE MATERIAL

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT
<p>Q</p>	
<p>R</p>	
Qty	QUANTITY
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
SL	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES
<p>T</p>	
T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL
<p>U</p>	
UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
<p>V</p>	
V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME
<p>W</p>	
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWL	WINGWALL LAYOUT LINE
<p>X</p>	
X Sec	CROSS SECTION
Xing	CROSSING
<p>Y</p>	
Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	7	9

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



TO ACCOMPANY PLANS DATED 02-26-15

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96	3.7/11.6	8	9

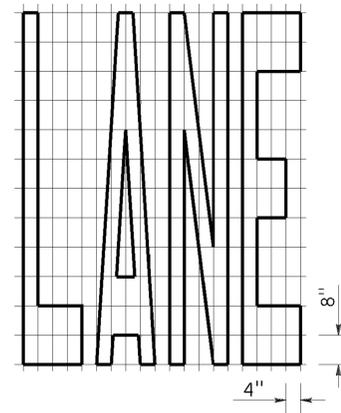
Roberta L. McLaughlin
 REGISTERED CIVIL ENGINEER

July 20, 2012
 PLANS APPROVAL DATE

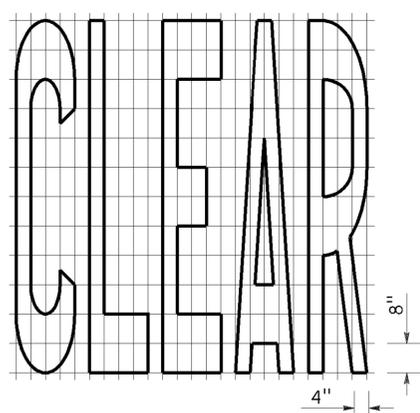
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 Roberta L. McLaughlin
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 Exp. 3-31-13
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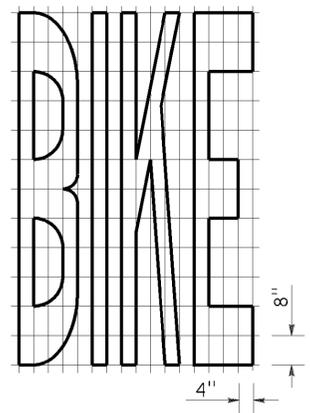
TO ACCOMPANY PLANS DATED 02-26-15



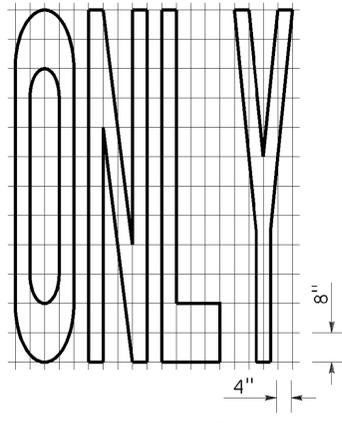
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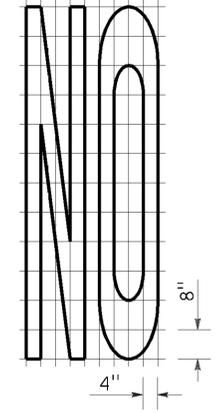
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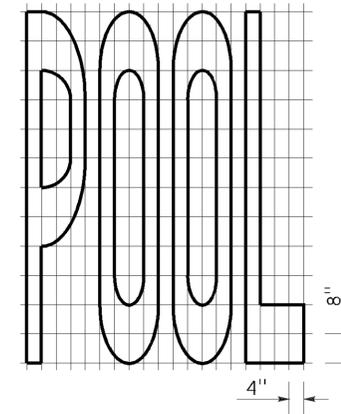
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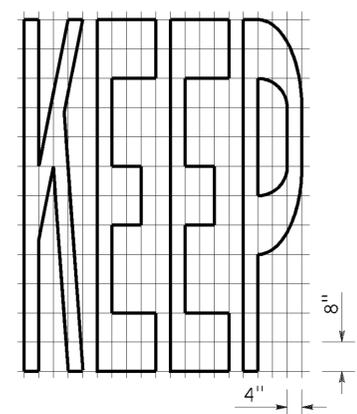
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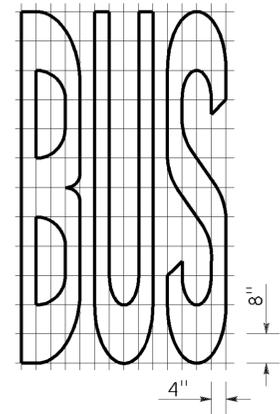
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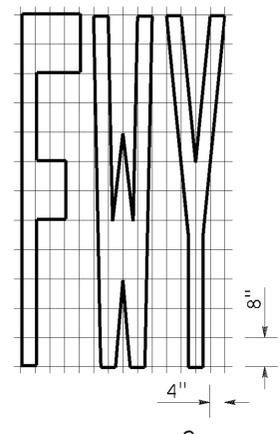
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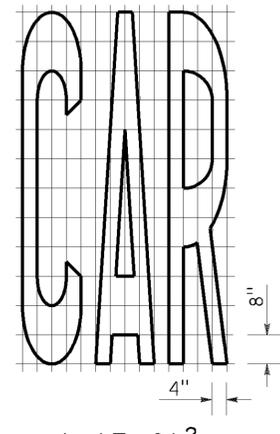
A=24 ft²



A=20 ft²

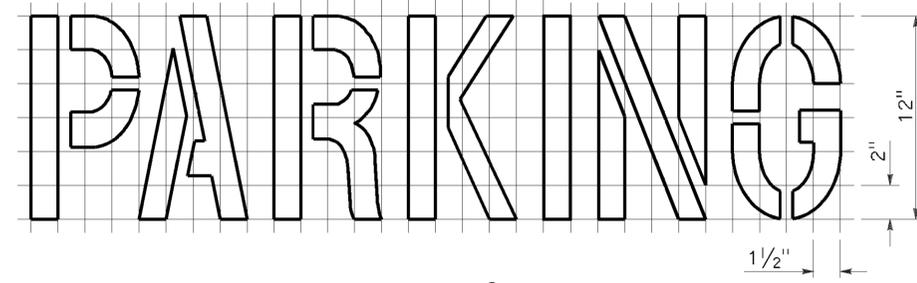
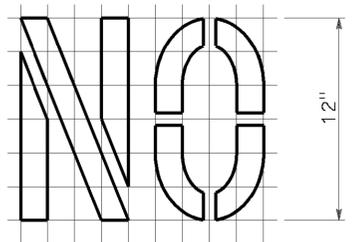


A=16 ft²

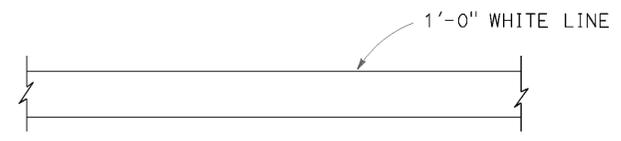


A=17 ft²

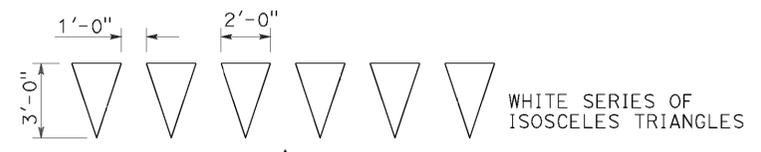
WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



↑
DIRECTION OF TRAVEL
YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**

NO SCALE

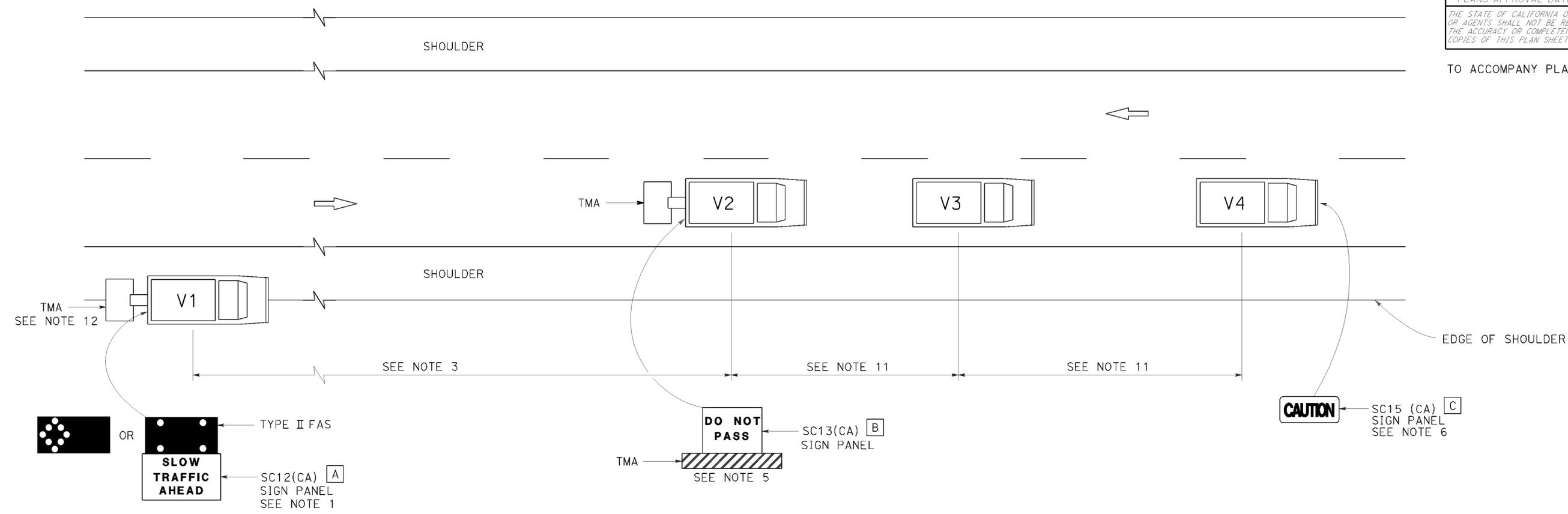
RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

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2010 REVISED STANDARD PLAN RSP A24E

TO ACCOMPANY PLANS DATED 02-26-15



NOTES:

1. Either a changeable message sign or a SC12(CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "CAUTION" message first, follow by the "SLOW TRAFFIC AHEAD" message. A Type II flashing arrow sign may be used with the SC12(CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
5. Shadow vehicle shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.

7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. This plan shall not be used where workers would be on foot in the work area. Use a stationary type lane closure (Revised Standard Plan T13) for this condition.
11. Minimize spacing between vehicles V2 and V3 and vehicles V3 and V4 to deter road users from driving in between them.
12. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.

LEGEND

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- V4 SIGN VEHICLE
- TMA TRUCK-MOUNTED ATTENUATOR
- FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE
- FLASHING ARROW SIGN (FAS) IN ALTERNATING DIAMOND CAUTION

SIGN PANEL SIZE (Min)

- A 72" x 42"
- B 54" x 42"
- C 54" x 24"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR MOVING LANE CLOSURE
 ON TWO LANE HIGHWAYS**
 NO SCALE

RSP T17 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T17
 DATED MAY 20, 2011 - PAGE 245 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T17