Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	1	16

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACNH-P178(062)E

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN KERN COUNTY IN AND NEAR RIDGECREST FROM ROUTE 178/395 SEPARATION TO CHINA LAKE BOULEVARD

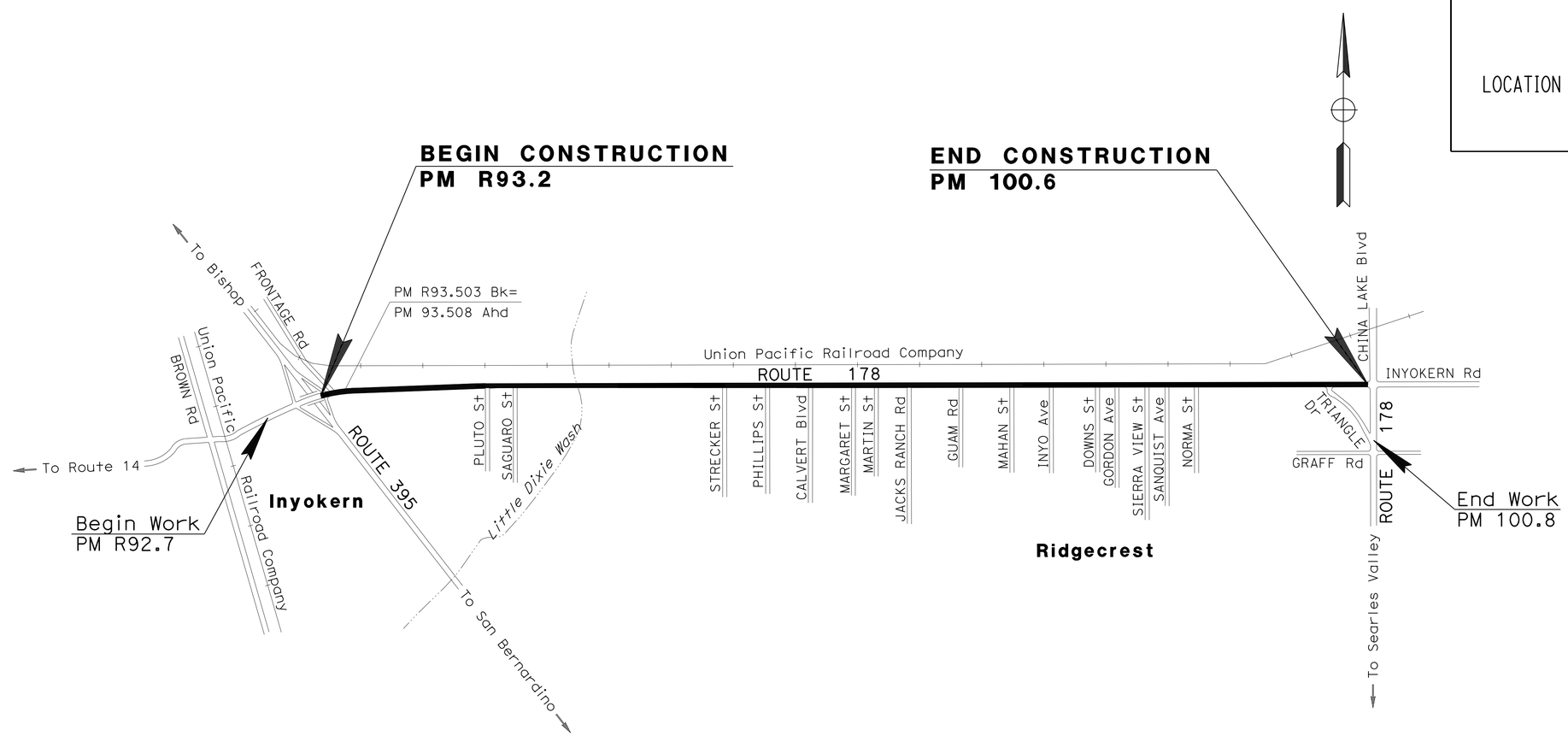
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION
3	CONSTRUCTION DETAILS AND CONSTRUCTION AREA SIGNS
4-9	PAVEMENT DELINEATION QUANTITIES
10-11	SUMMARY OF QUANTITIES
12-14	TRAFFIC CONTROL SYSTEM
15-16	REVISED STANDARD PLANS

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

LOCATION MAP



PROJECT MANAGER: VICTOR SHAW

DESIGN ENGINEER: RENE SANCHEZ

Lin Zhi Zhan 08-08-12
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

December 24, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ZHI ZHAN LIN No. 60881 Exp. 12-31-14 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.

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

NO SCALE

CONTRACT No.	06-0N1604
PROJECT ID	0600020440

LAST REVISION 08-08-12 DATE PLOTTED => 08-JAN-2013 TIME PLOTTED => 11:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	2	16

Zhi Zhan 08-08-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ZHI ZHAN LIN No. 60881 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

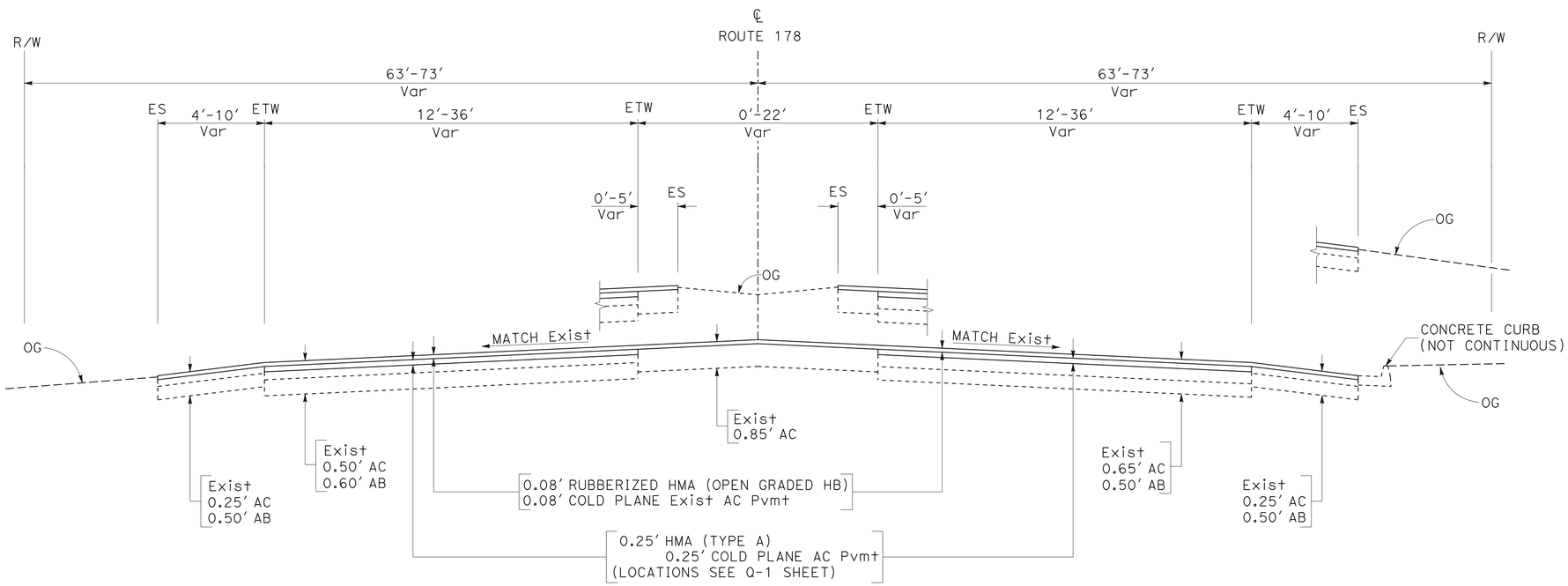
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Abbreviation:

HB - High Binder



WESTBOUND

ROUTE 178
PM R93.2 TO PM 100.6

EASTBOUND

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PAVEMENT PRESERVATION

Caltrans

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: ZHI ZHAN LIN
CHECKED BY: RENE SANCHEZ
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	3	16

Zhi Zhan Lin 08-08-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ZHI ZHAN LIN No. 60881 Exp. 12-31-14 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.

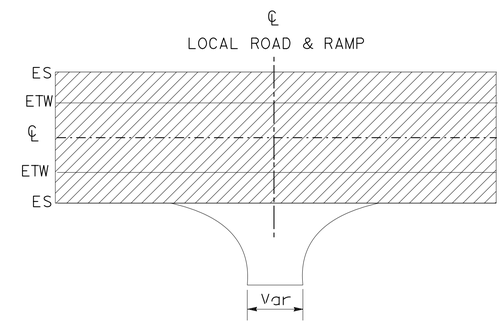
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
A	W20-1	48" x 48"	ROAD WORK AHEAD	1- 6" x 6"	4
B	W20-1	36" x 36"	ROAD WORK AHEAD	1- 4" x 6"	20
C	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	3

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE.
EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

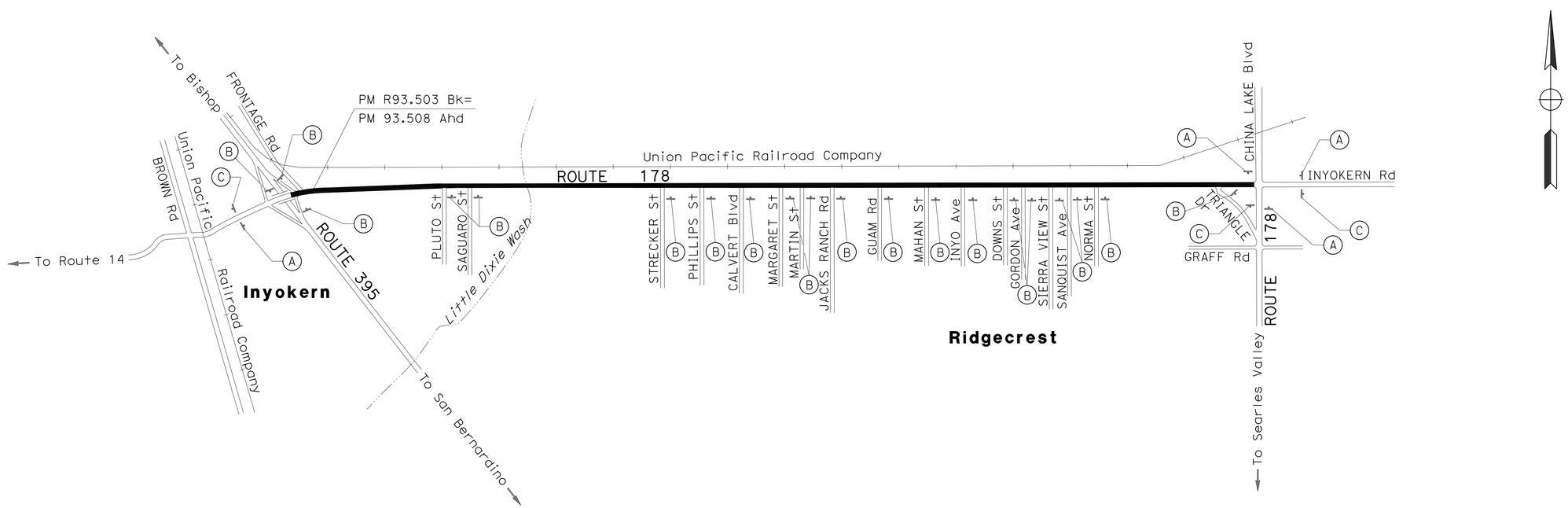
LEGEND:

0.08' RUBBERIZED HMA (HB OPEN GRADED)
0.08' COLD PLANE Exist AC Pvmt



TYPICAL INTERSECTION WORK

EB: PM R93.36, PM 93.98, PM 94.31, PM 94.99, PM 95.11, PM 95.36, PM 95.59, PM 95.92, PM 95.99, PM 97.60, PM 98.84, PM 99.11, PM 99.37, PM 99.61, PM 99.73, PM 99.85, PM 99.96, PM 100.11, PM 100.50.
WB: PM R93.41.



APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION DETAILS AND CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: ZHI ZHAN LIN
CHECKED BY: RENE SANCHEZ
REVISED BY / DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	4	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 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.

DELINEATORS, MARKERS AND CHANNELIZERS

NOTES:

1. EXACT LOCATION OF DELINEATORS, MARKERS AND CHANNELIZERS SHALL BE DETERMINED BY THE ENGINEER.
2. THE PRIMARY TARGET PLATE FOR TYPE I DELINEATORS SHALL FACE THE AUXILIARY OR TURNING LANE TRAFFIC.

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
R 93.266	X								1			IN FRONT OF CONCRETE BARRIER
R 93.337				X					1			IN FRONT OF DRAIN
R 93.342	X			X	2							
R 93.347	X						1					LOCATED ON RAMP
R 93.349				X					1			IN FRONT OF DRAIN
R 93.358				X						1		OFF RAMP APPROACH GORE ISLAND
R 93.361	X					1						LOCATED ON RAMP
R 93.374	X									1		ONRAMP APPROACH GORE ISLAND
R 93.389	X					1						
R 93.399	X					1						
R 93.417	X				1							
R 93.427	X					1						
R 93.436	X			X	2							
R 93.474	X					1						
93.512	X					1						
93.531				X	1							
93.550	X					1						
93.588	X					1						
93.626	X			X	2							
93.627	X								1			MIDPOINT OF MBGR
93.664	X					1						
93.702	X					1						
93.702				X		1						
93.711				X		1						
93.720				X		1						
93.720		X								1		
93.739	X					1						
93.739			X							1		
93.739				X		1						
93.749			X					1				
93.749				X		1						
93.758			X					1				
93.768		X					1					
93.777		X					1					
93.815	X	X	X	X		2	2					
93.910	X	X	X	X		2	2					
93.929			X				1					
93.938			X				1					
93.948		X						1				
93.948				X		1						
93.957		X						1				
93.957				X		1						
93.967		X								1		
93.967				X		1						
93.991			X							1		
93.995				X		1						
94.001			X					1				
94.005	X			X		2						
94.010			X					1				
94.020		X					1					
94.029		X					1					
94.099	X	X	X	X		2	2					
94.194	X	X	X	X		2	2					
94.281			X				1					
94.289	X	X		X		2	1					
94.291			X				1					
TOTAL SHEET PDQ-1					8	32	18	6	4	6	0	

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: TERRY ERLWEIN
CALCULATED-DESIGNED BY: DONNA HOLLAND
CHECKED BY: JOEL NASH
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	5	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 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.

DELINEATORS, MARKERS AND CHANNELIZERS

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
94.298				X		1						
94.300		X						1				
94.308				X		1						
94.310		X						1				
94.317				X		1						
94.319		X								1		
94.345			X							1		
94.345				X		1						
94.355			X					1				
94.355				X		1						
94.364			X					1				
94.374		X					1					
94.383	X	X	X	X		2	2					
94.478	X	X	X	X		2	2					
94.573	X	X	X	X		2	2					
94.667	X	X	X	X		2	2					
94.762	X	X	X	X		2	2					
94.857	X	X	X	X		2	2					
94.938			X				1					
94.948			X				1					
94.952	X	X		X		2	1					
94.957		X						1				
94.961				X		1						
94.967		X						1				
94.970				X		1						
94.976		X								1		
94.980				X		1						
94.999			X							1		
94.999				X		1						
95.008			X					1				
95.008				X		1						
95.018			X					1				
95.027		X					1					
95.037		X					1					
95.046	X	X	X	X		2	2					
95.065			X				1					
95.075			X				1					
95.084		X						1				
95.084				X		1						
95.094		X						1				
95.094				X		1						
95.103		X								1		
95.103				X		1						
95.122				X		1						
95.126			X							1		
95.131				X		1						
95.135			X					1				
95.141	X			X		2						
95.145			X					1				
95.154		X					1					
95.164		X					1					
95.236	X	X	X	X		2	2					
95.311			X				1					
95.321			X				1					
95.330	X	X		X		2		1				
95.340		X						1				
TOTAL SHEET PDQ-2					0	37	28	14	0	6	0	

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: TERRY ERLWEIN
CALCULATED-DESIGNED BY: DONNA HOLLAND
CHECKED BY: JOEL NASH
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	6	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 CIVIL STATE OF CALIFORNIA

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DELINEATORS, MARKERS AND CHANNELIZERS

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
95.340				X		1						
95.349		X								1		
95.349				X		1						
95.376			X							1		
95.378				X		1						
95.385			X					1				
95.387				X		1						
95.395			X					1				
95.404		X					1					
95.414		X					1					
95.425	X	X	X	X		2	2					
95.520	X	X	X	X		2	2					
95.567			X				1					
95.577			X				1					
95.586		X						1				
95.595		X						1				
95.595				X		1						
95.605		X								1		
95.605				X		1						
95.614	X			X		2						
95.630			X							1		
95.633				X		1						
95.639			X					1				
95.643				X		1						
95.649			X					1				
95.658		X					1					
95.667		X					1					
95.709	X	X	X	X		2	2					
95.804	X	X	X	X		2	2					
95.880			X				1					
95.889			X				1					
95.899	X			X		2						
95.899		X						1				
95.908		X						1				
95.908				X		1						
95.917		X								1		
95.917				X		1						
95.936			X							1		
95.936				X		1						
95.946			X					1				
95.946				X		1						
95.955			X					1				
95.965		X					1					
95.974		X					1					
95.993	X	X	X	X		2	2					
96.088	X	X	X	X		2	2					
96.183	X	X	X	X		2	2					
96.224			X				1					
96.234			X				1					
96.243		X						1				
96.249				X		1						
96.253		X						1				
96.258				X		1						
96.262		X								1		
96.268				X		1						
96.277	X					1						
TOTAL SHEET PDQ-3					0	34	26	12	0	7	0	

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: TERRY ERLWEIN
CALCULATED-DESIGNED BY: DONNA HOLLAND
CHECKED BY: JOEL NASH
REVISED BY / DATE REVISED

LAST REVISION 08-08-12 | DATE PLOTTED => 02-JAN-2013 | TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	7	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 CIVIL STATE OF CALIFORNIA

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DELINEATORS, MARKERS AND CHANNELIZERS

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
96.287			X							1		
96.287				X		1						
96.296			X					1				
96.296				X		1						
96.306			X					1				
96.315		X					1					
96.325		X					1					
96.372	X	X	X	X		2	2					
96.467	X	X	X	X		2	2					
96.561	X	X	X	X		2	2					
96.571			X				1					
96.580		X						1				
96.580				X		1						
96.590		X						1				
96.590				X		1						
96.599		X								1		
96.599				X		1						
96.624			X							1		
96.628				X		1						
96.633			X					1				
96.637				X		1						
96.643			X					1				
96.652		X					1					
96.656	X	X	X	X		2	2					
96.751	X	X	X	X		2	2					
96.845	X	X	X	X		2	2					
96.940	X	X	X	X		2	2					
97.035	X	X	X	X		2	2					
97.073			X				1					
97.082			X				1					
97.092		X						1				
97.101		X						1				
97.111		X								1		
97.130	X			X		2						
97.137			X							1		
97.147			X					1				
97.156		X					1					
97.166		X					1					
97.224	X	X	X	X		2	2					
97.319	X	X	X	X		2	2					
97.414	X	X	X	X		2	2					
97.508	X			X		2						
97.508		X					1					JACKS RANCH
97.518		X					1					JACKS RANCH
97.527		X					1					JACKS RANCH
97.537		X					1					JACKS RANCH
97.546		X					1					JACKS RANCH
97.546				X		1						
97.556			X					1				JACKS RANCH
97.556				X		1						
97.565			X					1				JACKS RANCH
97.565				X		1						
97.575			X					1				JACKS RANCH
97.575				X		1						
97.584			X					1				JACKS RANCH
97.584				X		1						
TOTAL SHEET PDQ-4					0	38	35	13	0	5	0	

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: TERRY ERLWEIN
CALCULATED-DESIGNED BY: DONNA HOLLAND
CHECKED BY: JOEL NASH
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	8	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 CIVIL STATE OF CALIFORNIA

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DELINEATORS, MARKERS AND CHANNELIZERS

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
97.594			X					1				JACKS RANCH
97.594				X		1						
97.603	X			X		2						
97.603			X						1			JACKS RANCH
97.631			X							1		
97.631				X		1						
97.641			X					1				
97.641				X		1						
97.650			X					1				
97.660		X					1					
97.669		X					1					
97.698	X	X	X	X		2	2					
97.792	X	X	X	X		2	2					
97.887	X	X	X	X		2	2					
97.931			X				1					
97.940			X				1					
97.950		X						1				
97.959		X								1		
97.982	X			X		2						
97.989			X							1		
97.999			X					1				
98.008			X					1				
98.018		X					1					
98.027		X					1					
98.077	X	X	X	X		2	2					
98.171	X	X	X	X		2	2					
98.181			X				1					
98.190			X				1					
98.200		X						1				
98.209		X						1				
98.219		X								1		
98.243			X							1		
98.253			X					1				
98.262			X					1				
98.266	X			X		2						
98.272		X					1					
98.281		X					1					
98.361	X	X	X	X		2	2					
98.417				X					1			EAST END OF FLARE ON MBGR
98.455	X	X	X	X		2	2					
98.550	X	X	X	X		2	2					
98.560			X				1					
98.569			X				1					
98.578		X						1				
98.578				X		1						
98.588		X						1				
98.588				X		1						
98.597		X								1		
98.597				X		1						
98.616			X							1		
98.616				X		1						
98.626			X					1				
98.626				X		1						
98.645	X	X	X	X		2	2					
98.654		X					1					
98.692		X					1					
TOTAL SHEET PDQ-5					0	32	32	13	2	7	0	

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: TERRY ERLWEIN
CALCULATED-DESIGNED BY: DONNA HOLLAND
CHECKED BY: JOEL NASH
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	9	16

REGISTERED CIVIL ENGINEER 08-08-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DONNA HOLLAND No. 64205 Exp 6-30-13 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.

DELINEATORS, MARKERS AND CHANNELIZERS

PM (PM TO PM)	SIDE				DELINEATOR				OBJECT MARKER		CHANNELIZER	REMARKS
	L†	MEDIAN L†	MEDIAN R†	R†	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2	SURFACE MOUNT	(SURFACE MOUNTED) (LEFT IN PLACE)	
					TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	WHITE POST	
					E	F	G	I	L-1	K-1	WHITE REFLECTOR	
					EA	EA	EA	EA	EA	EA	EA	
98.702		X					1					
98.711			X					1				
98.720			X					1				
98.720				X		1						
98.730			X							1		
98.730				X		1						
98.739	X			X		2						
98.749			X							1		
98.758			X					1				
98.758				X		1						
98.768			X					1				
98.768				X		1						
98.777		X					1					
98.787		X					1					
98.825				X		1						
98.834	X	X	X	X		2	2					
98.839		X					1					
98.844			X							1		
98.844				X		1						
98.863				X		1						
98.872				X		1						
98.929	X			X	2							
99.024	X			X	2							
99.042				X					1			IN FRONT OF PCC CURB
99.118	X				1							
99.213	X			X	2							
99.254				X					1			IN FRONT OF PCC CURB
99.301				X					1			IN FRONT OF PCC CURB
99.308	X				1							
99.402	X			X	2							
99.497	X			X	2							
99.592	X				1							
99.686	X				1							
99.781	X				1							
99.876	X				1							
99.970	X				1							
100.065	X				1							
100.160	X				1							
100.255	X				1							
100.349	X				1							
100.444	X				1							
100.539	X				1							
R93.350 TO R93.368											4	LEFT ISLAND 40 FOOT SPACING
R93.358 TO R93.373											4	RIGHT ISLAND 40 FOOT SPACING
TOTAL SHEET PDQ-6					23	12	6	4	3	3	8	
TOTAL SHEET PDQ-1					8	32	18	6	4	6	0	
TOTAL SHEET PDQ-2					0	37	28	14	0	6	0	
TOTAL SHEET PDQ-3					0	34	26	12	0	7	0	
TOTAL SHEET PDQ-4					0	38	35	13	0	5	0	
TOTAL SHEET PDQ-5					0	32	32	13	2	7	0	
SUBTOTAL					31	185	145	62	9	34	8	
TOTAL					423				43		8	

REMOVE

PM TO PM	DELINEATORS	MARKERS	CHANNELIZERS
	EA	EA	EA
R93.2 TO 100.6	140	5	8
TOTAL	140	5	8

NOTE:

1. ALL DELINEATORS, MARKERS AND CHANNELIZERS WITHIN THE PROJECT LIMITS SHALL BE REMOVED WHEN NO LONGER NEEDED, EXCEPT HIGHWAY POST MILE MARKERS, STRIPING TRANSITION MARKERS, CULVERT MARKERS, UTILITY MARKER OR ANY MARKER ATTACHED TO A SIGN POST POST SHALL REMAIN IN PLACE AS DIRECTED BY THE ENGINEER.

MAINTAINING Exist TRAFFIC MANAGEMENT ELEMENTS DURING Const (Exist INDUCTIVE LOOP DETECTORS)

POST MILE	No. OF INDUCTIVE LOOP DETECTORS		DESCRIPTION
	WB	EB	
PM R93.755	2	2	CENSUS STATION LOOPS
PM 98.050	2	2	CENSUS STATION LOOPS
100.110	8	4	SR 178/NORMA SIGNAL LOOPS
100.608		12	SR 178/CHINA LAKE SIGNAL LOOPS

NOTE:

1. IN LOCATIONS OF TRAFFIC LOOPS ONLY, COLD PLANE TO THE MINIMUM DEPTH NECESSARY TO REMOVE THE EXISTING 0.08 OVERLAY.
2. CONTRACTOR TO VERIFY THESE LOCATIONS IN THE FIELD.

PAVEMENT DELINEATION QUANTITIES

NO SCALE

PDQ-6

REVISED BY | DATE REVISED
DONNA HOLLAND | JOEL NASH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
TERRY ERLWEIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PAVEMENT PRESERVATION
Caltrans

LAST REVISION 08-08-12 | DATE PLOTTED => 02-JAN-2013 | TIME PLOTTED => 18:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	10	16

Zhi Zhan Lin 08-08-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

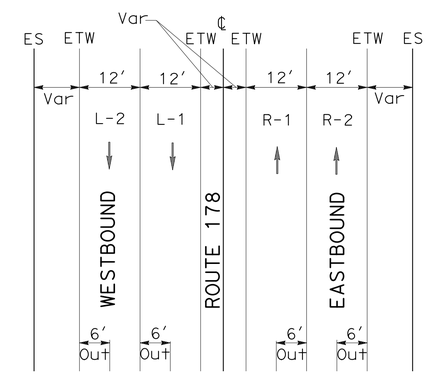
REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
No. 60881
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA

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.

COLD PLANE AC PAVEMENT

LOCATION	BEGINNING POST MILE	END POST MILE	LENGTH	* R-1	* R-2	* LEFT TURN	THICKNESS	AREA	VOLUME (N)	HOT MIX ASPHALT (TYPE A)
								SQYD	CF	TON
ROUTE 178 PM R93.2/100.6 EASTBOUND	R93.200	100.600	39,046′				0.08′	182,091.0		
	94.519	94.559	211′		12.0′		0.25′	281.3	23.4	46.8
	99.762	99.803	216′		6.0′ OUT		0.25′	144.0	12.0	24.0
	99.935	99.961	137′		6.0′ OUT		0.25′	91.3	7.6	15.2
	100.440	100.539	523′	12.0′	12.0′	12.0′	0.25′	2092.0	174.3	348.3
SUBTOTAL								** 184,700		** 435

* SEE LANE DESCRIPTION CHART
** SEE SUMMARY OF QUANTITIES SHEETS Q-2 FOR PROJECT TOTAL
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.



LANE DESCRIPTION CHART

COLD PLANE AC PAVEMENT

LOCATION	BEGINNING POST MILE	END POST MILE	LENGTH	* L-1	* L-2	THICKNESS	AREA	VOLUME (N)	HOT MIX ASPHALT (TYPE A)
							SQYD	CF	TON
ROUTE 178 PM R93.2/100.6 WESTBOUND	R93.200	100.600	39,046′			0.08′	156,471.0		
	99.193	99.233	211′		12.0′	0.25′	281.3	23.4	46.8
	99.698	99.822	655′	12.0′		0.25′	873.3	72.8	145.4
	100.436	100.538	539′		12.0′	0.25′	718.7	60.0	120.0
	100.439	100.538	523′	12.0′		0.25′	697.3	58.1	116.1
SUBTOTAL							** 159,042		** 429

* SEE LANE DESCRIPTION CHART
** SEE SUMMARY OF QUANTITIES SHEETS Q-2 FOR PROJECT TOTAL
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
ZHI ZHAN LIN | RENE SANCHEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: RENE SANCHEZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

LAST REVISION 08-08-12 | DATE PLOTTED => 02-JAN-2013 | TIME PLOTTED => 18:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	11	16

Lin Zhi Zhan 08-08-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
No. 60881
Exp. 12-31-14
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.

ROADWAY QUANTITIES

LOCATION	TACK COAT	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED- HIGH BAND)	HOT MIX ASPHALT (TYPE A)	COLD PLANE ASPHALT CONCRETE PAVEMENT
	TON	TON	TON	SQYD
ROUTE 178 PM R93.2/100.6 EASTBOUND	81.0	8690	* 435	* 184,700
ROUTE 178 PM R93.2/100.6 WESTBOUND	70.0	7470	* 429	* 159,042
TOTAL	151.0	16,160	864	343,742

* QUANTITIES FROM SHEET Q-1.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL	PAINT TRAFFIC STRIPE (2-COAT)			THERMOPLASTIC PAVEMENT MARKING	
		4" YELLOW	4" WHITE	8" WHITE		
		LF	LF	LF	DESCRIPTION	SQFT
ROUTE 178 PM R93.2/100.6 EASTBOUND	11		38,235		250'-LIMIT LINE	250
	21	773			76-TYPE V ARROW	2508
	24	18,900			7-TYPE III (R) ARROW	294
	27B		37,970		34-TYPE III (L) ARROW	1428
	28	19,305			2-TYPE II (R) ARROW	90
	31	19,220				
	36			320		
	38A			2085		
ROUTE 178 PM R93.2/100.6 WESTBOUND	11		36,381		320'-LIMIT LINE	320
	24	18,900			69-TYPE V ARROW	2277
	27B		38,715		2-TYPE III (R) ARROW	84
	36			320	21-TYPE III (L) ARROW	882
	37			1690	3-TYPE VI ARROW	126
	38A			2524		
SUBTOTAL		77,098	151,301	6939		8259
TOTAL			235,338			8259

SUMMARY OF QUANTITIES
Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION

FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED-DESIGNED BY: ZHI ZHAN LIN
CHECKED BY: RENE SANCHEZ
REVISED BY
DATE REVISED

LAST REVISION 08-08-12
DATE PLOTTED => 02-JAN-2013
TIME PLOTTED => 18:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	12	16

REGISTERED CIVIL ENGINEER 12-7-12 DATE

12-24-12
PLANS APPROVAL DATE

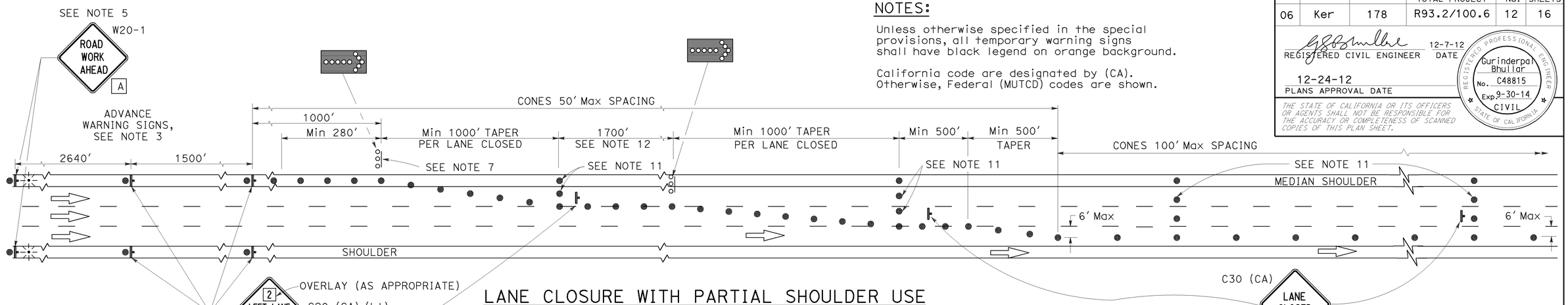
REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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.

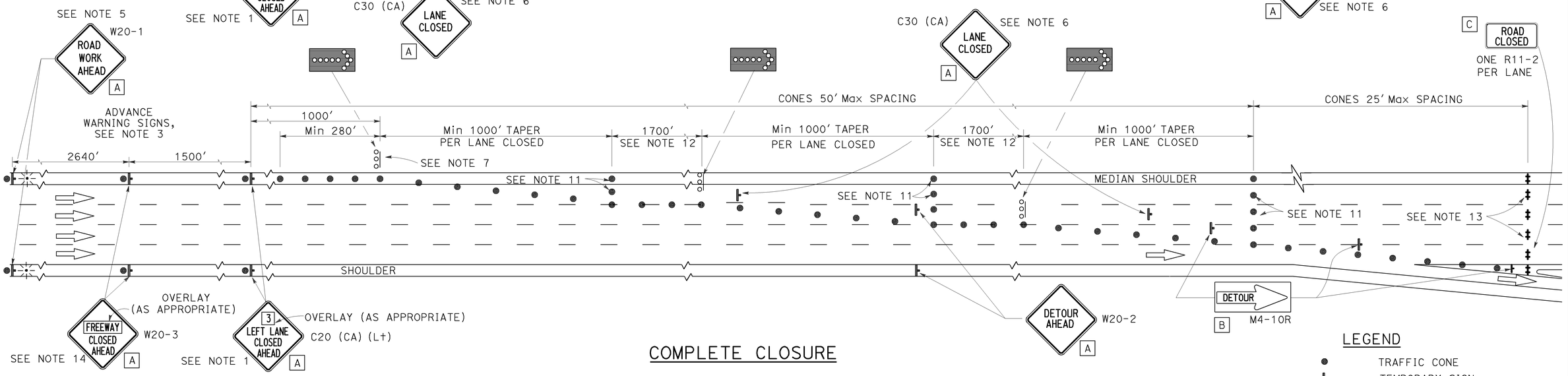
NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



LANE CLOSURE WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- BARRICADE
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details for inside lane closure except that C20 (CA) (Rt) signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" X 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000′ of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT ___ MILES", use a C20 (CA) sign for the first advance warning sign.
6. Place a C30 (CA) sign every 2000′ throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
8. A minimum 1500′ of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000′ as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
12. Unless otherwise specified in the special provisions, the 1700′ tangent shown along lane lines shall be used between the 1000′ tapers required for each closed traffic lane.
13. A minimum of Two Type II barricades shall be placed across each closed lane and shoulder at the location shown and every 2000′ within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

A	48" × 48"
B	48" × 18"
C	48" × 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE AND COMPLETE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

TCS-1

REVISED BY | DATE REVISED
CALCULATED- DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	13	16

REGISTERED CIVIL ENGINEER 12-7-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

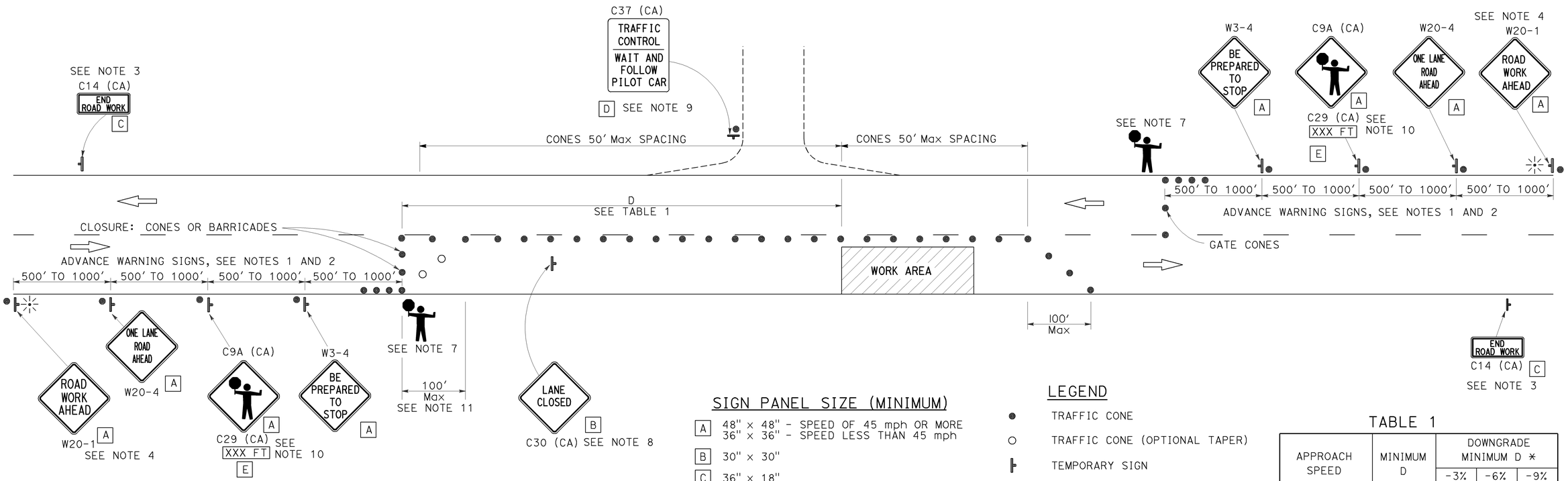
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



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: 36" x 18"
- D: 36" x 42"
- E: 36" x 9"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

TABLE 1

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND 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.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
8. Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

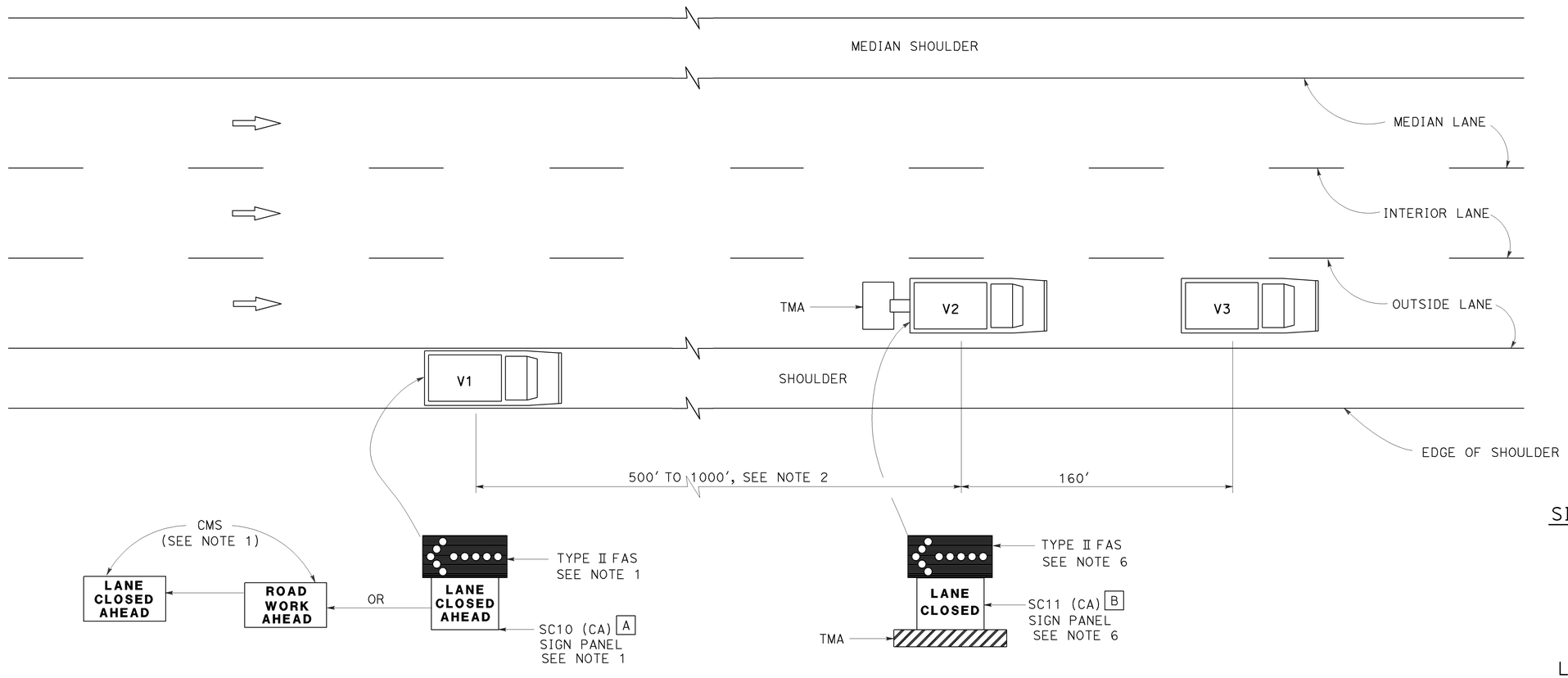
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	14	16

REGISTERED CIVIL ENGINEER 12-7-12 DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 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.



SIGN PANEL SIZE (Min)

A 66" x 36"

B 54" x 42"

LEGEND

V1	SIGN VEHICLE
V2	SHADOW VEHICLE
V3	WORK/APPLICATION VEHICLE
	FLASHING ARROW SIGN (FAS)
CMS	CHANGEABLE MESSAGE SIGN
TMA	TRUCK-MOUNTED ATTENUATOR

MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

NOTES:

1. Either a changeable message sign or a SC10 (CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign will not be required with the changeable message sign provided the flashing arrow sign symbol is displayed on the changeable message sign board. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "LANE CLOSED AHEAD" message and then the flashing arrow sign symbol. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right.

2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.

3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.

4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.

5. Vehicle-mounted sign panels shall be Type III, IV, VII, VIII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.

6. Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.

7. 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.

9. Where sufficient shoulder width is not available, sign vehicle V1 may encroach into the traffic lane staying as close to the edge of shoulder as practicable. Both V1 and V2 shall be equipped with a truck-mounted attenuator. The Gross Vehicle Weight of V1 and V2 shall be at least 20,000 pounds, respectively.

10. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS (OUTSIDE AND MEDIAN LANES)

NO SCALE

TCS-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	15	16

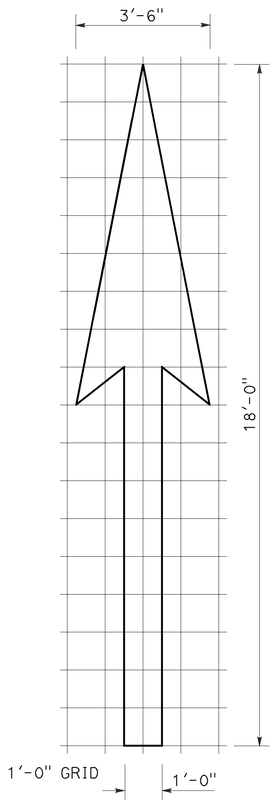
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

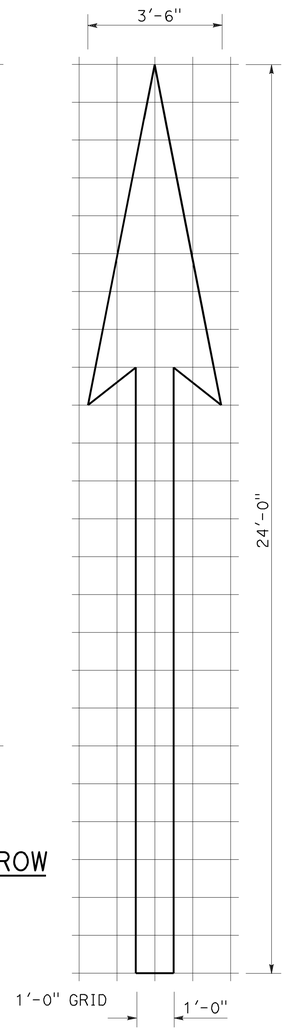
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 12-24-12



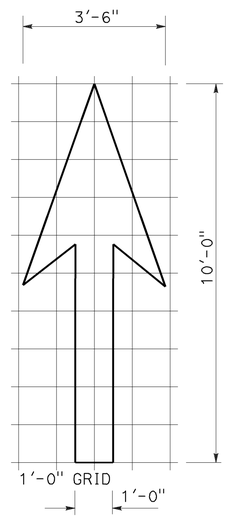
A=25 ft^2

TYPE I 18'-0" ARROW



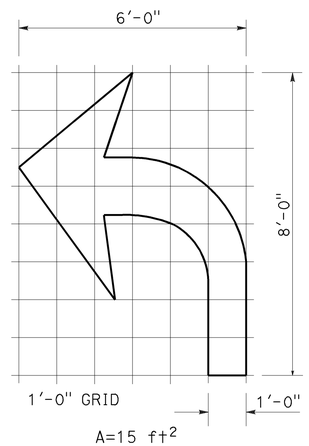
A=31 ft^2

TYPE I 24'-0" ARROW



A=14 ft^2

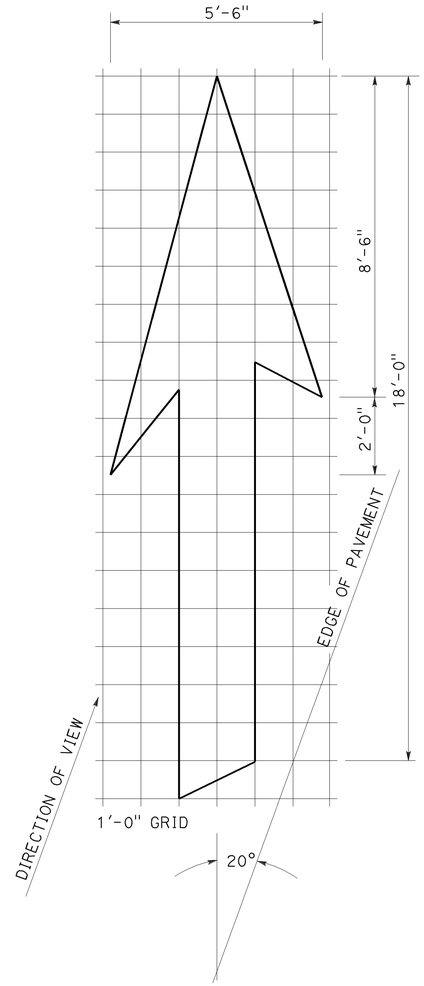
TYPE I 10'-0" ARROW



A=15 ft^2

TYPE IV (L) ARROW

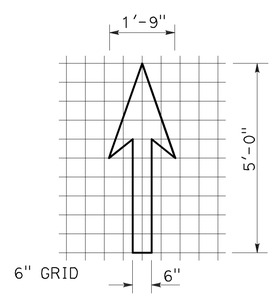
(For Type IV (R) arrow, use mirror image)



A=42 ft^2

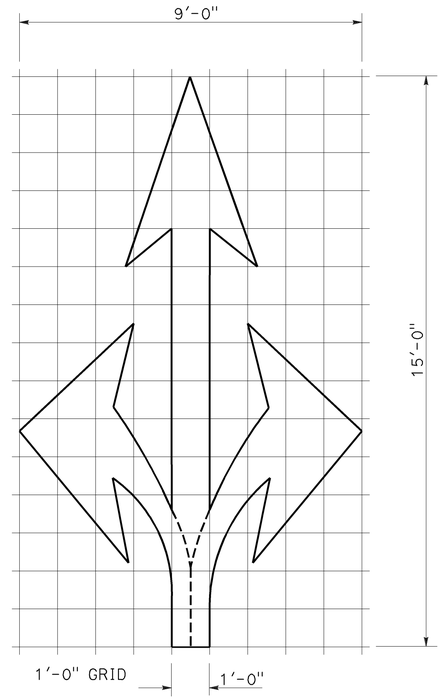
TYPE VI ARROW

Right lane drop arrow
(For left lane, use mirror image)



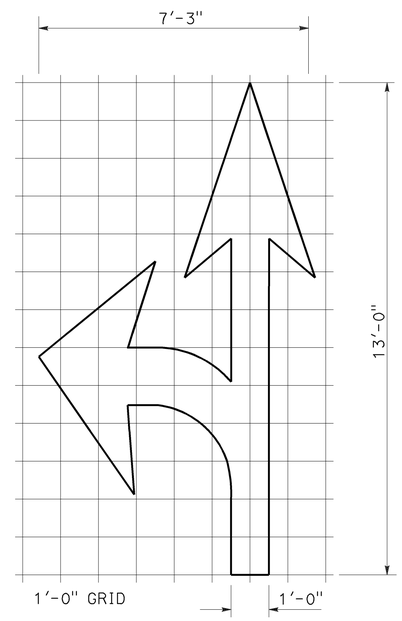
A=3.5 ft^2

BIKE LANE ARROW



A=36 ft^2

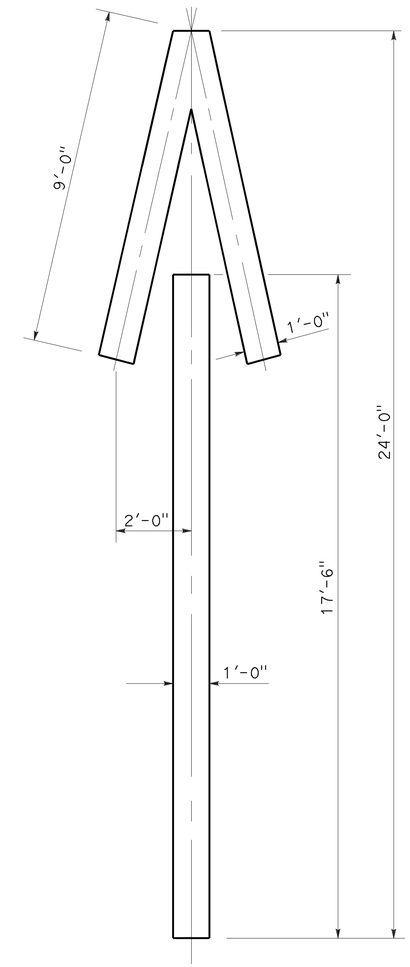
TYPE VIII ARROW



A=27 ft^2

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)



A=33 ft^2

TYPE V ARROW

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	178	R93.2/100.6	16	16

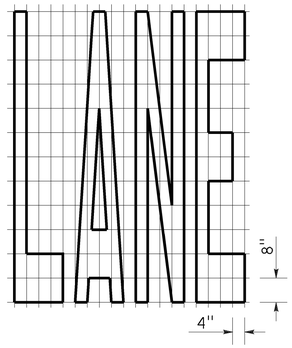
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

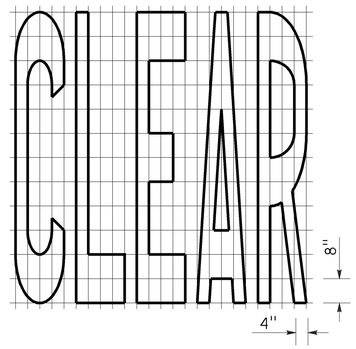
REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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.

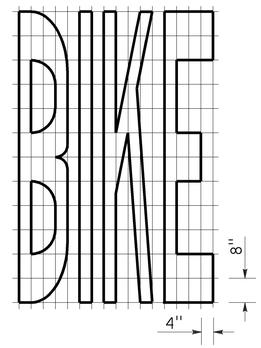
TO ACCOMPANY PLANS DATED 12-24-12



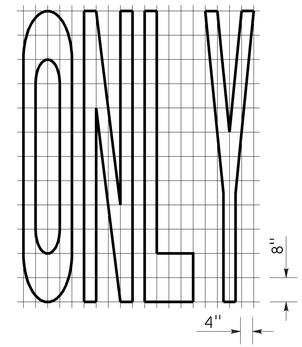
A=24 ft²



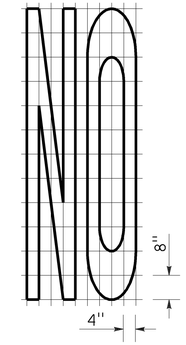
A=27 ft²



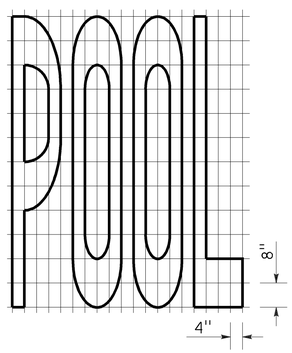
A=21 ft²



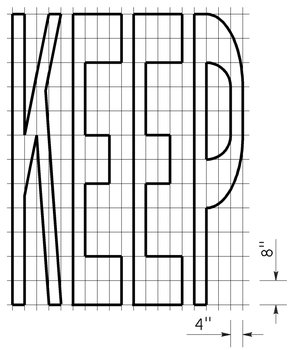
A=22 ft²



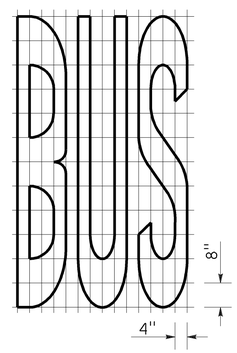
A=14 ft²



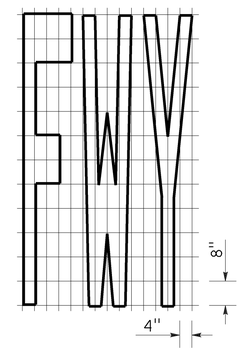
A=23 ft²



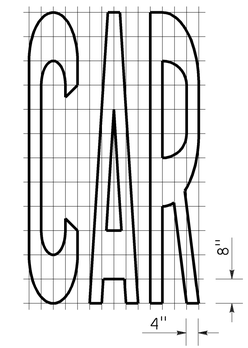
A=24 ft²



A=20 ft²

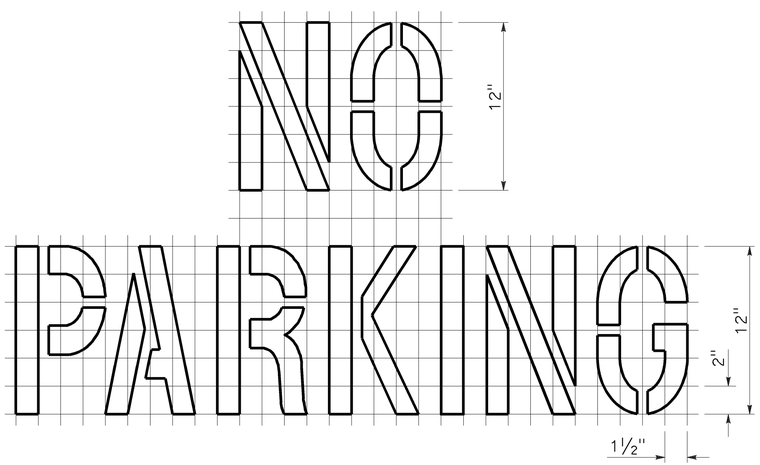


A=16 ft²

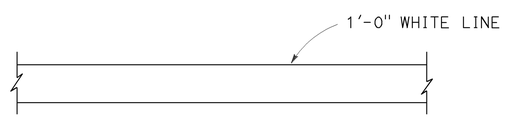


A=17 ft²

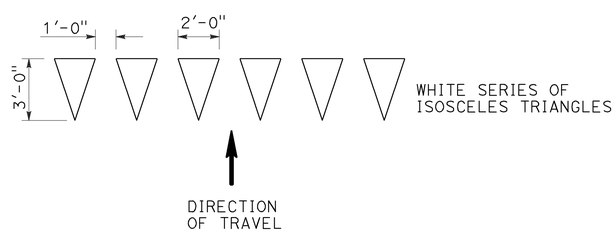
WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



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

2010 REVISED STANDARD PLAN RSP A24E

6-12-12