Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	1	9

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION AND CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION QUANTITIES
5	SUMMARY OF QUANTITIES
6-9	NEW OR REVISED STANDARD PLANS

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

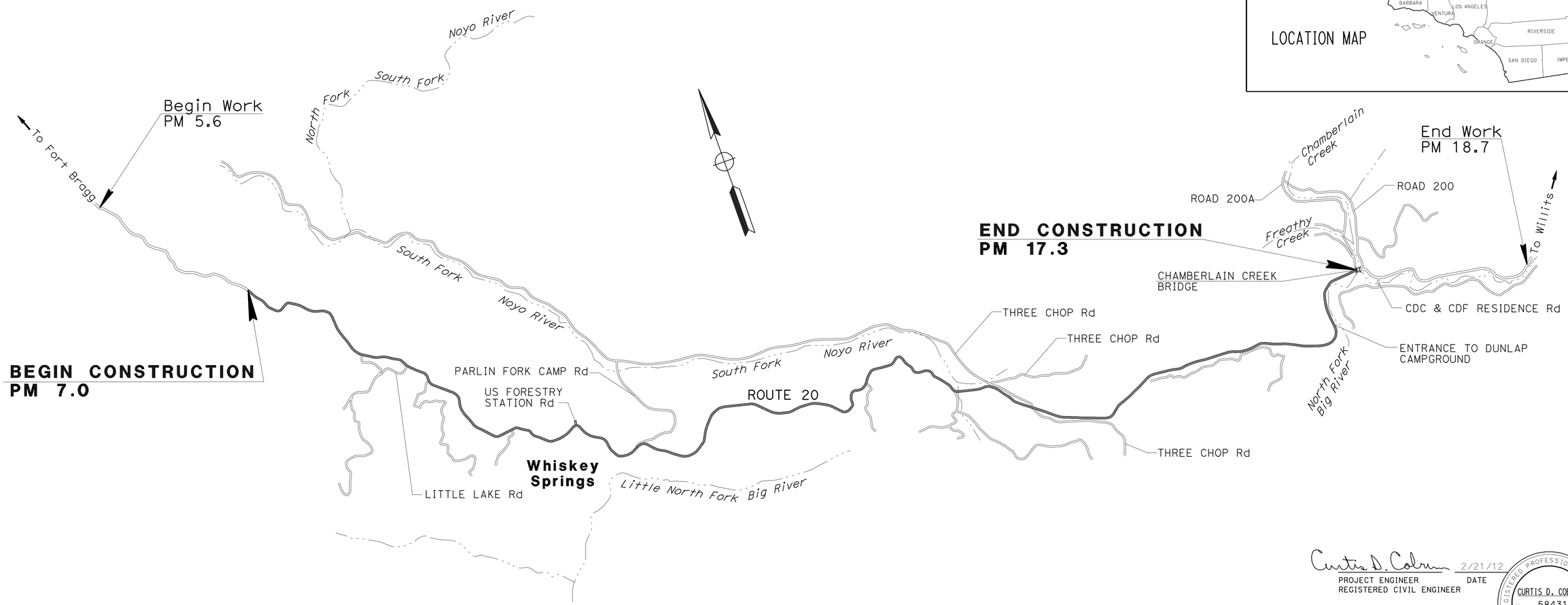
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN MENDOCINO COUNTY NEAR FORT BRAGG FROM 10.3 MILES WEST OF CHAMBERLAIN CREEK BRIDGE TO CHAMBERLAIN CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



PROJECT MANAGER: Royal B. McCarthy

DESIGN ENGINEER: Royal B. McCarthy

Curtis D. Coburn 2/21/12

PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

February 21, 2012

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CURTIS D. COBURN No. 58431 Exp. 12-31-12 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.	01-0A7304
PROJECT ID	0100020334

LAST REVISION 00-00-00

DATE PLOTTED => 22-FEB-2012
TIME PLOTTED => 07:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	2	9

REGISTERED CIVIL ENGINEER — DATE 2/21/12

February 21, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CURTIS D. COBURN No. 58431 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

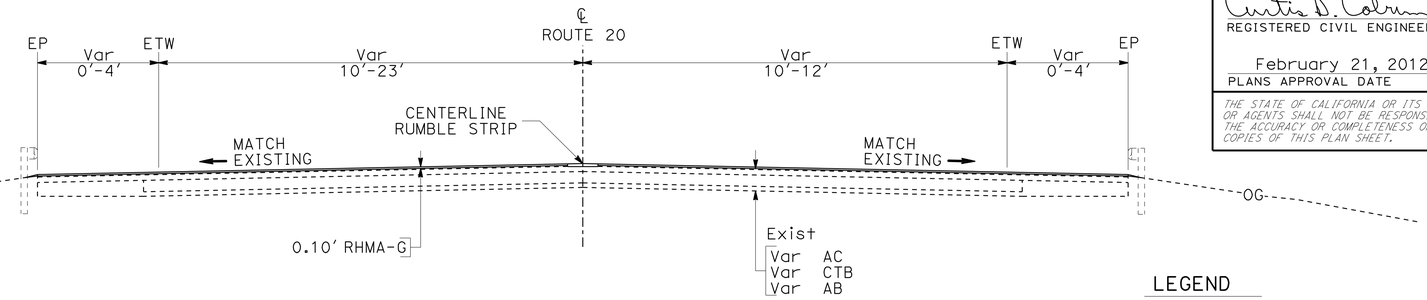
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES

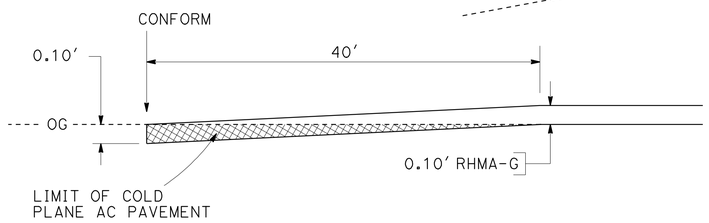
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. IN AREAS WHERE THE WIDTH OF THE EXISTING SURFACING VARIES FROM THAT SHOWN, THE CONTRACTOR SHALL VARY THE WIDTH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

LEGEND

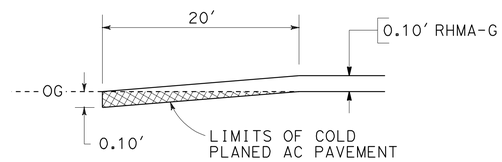
RHMA-G = RUBBERIZED HOT MIX ASPHALT (GAP-GRADED)



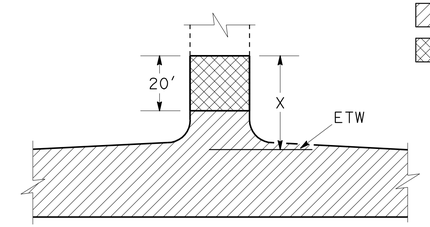
PM 7.00 TO PM 17.29



COLD PLANE AC PAVEMENT
PM 7.00



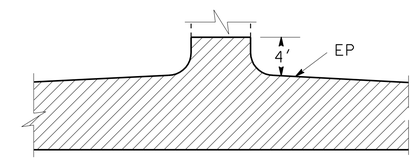
COLD PLANE AC PAVEMENT AT PUBLIC ROAD CONNECTIONS



PUBLIC ROAD CONNECTION

LEGEND

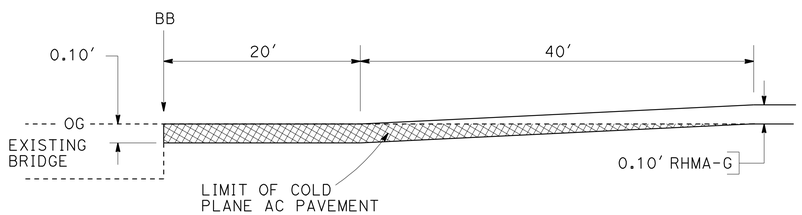
LIMITS OF SURFACING
LIMITS OF COLD PLANE AC PAVEMENT



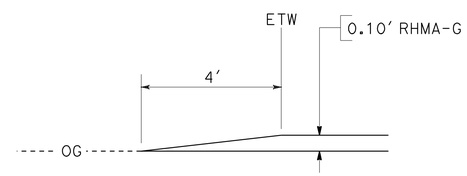
PRIVATE ROAD CONNECTION

LOCATION	PM	X FT
PARLIN FORK CAMP Rd	10.60 L+	106
MAINTENANCE DISPOSAL AREA ENTRANCE	11.99 R+	37
THREE CHOP Rd	14.17 R+	42
THREE CHOP Rd	14.17 L+	25
DUNLAP CAMPGROUND ENTRANCE	16.72 R+	36
ROAD 200A	17.28 L+	39

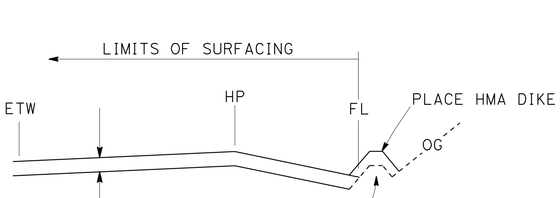
LIMITS OF SURFACING



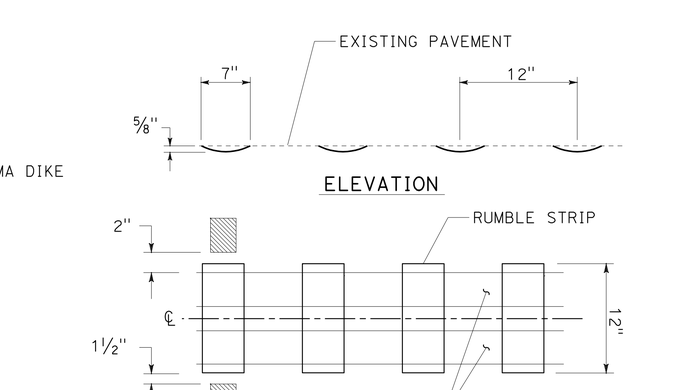
COLD PLANE AC PAVEMENT AT CHAMBERLAIN CREEK BRIDGE
PM 17.29



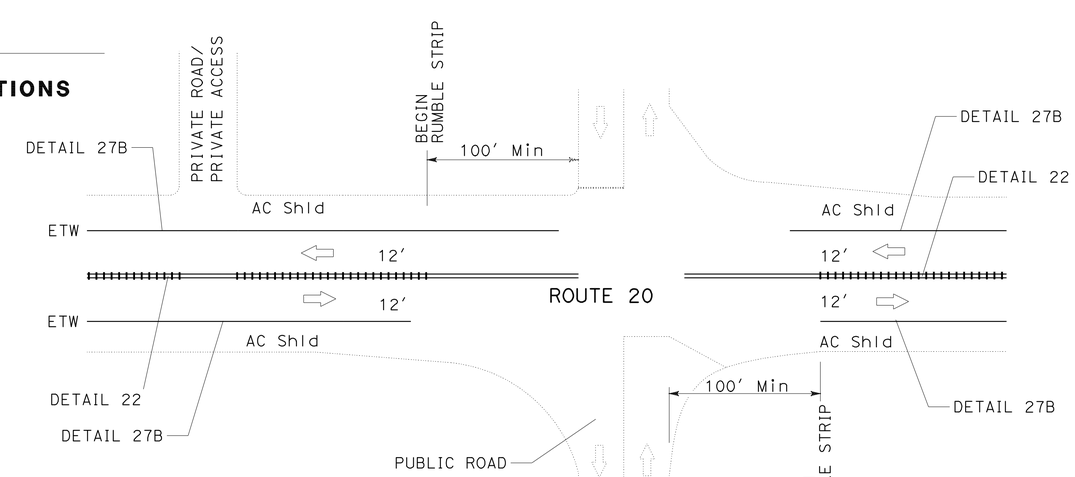
HMA CONFORM AT PRIVATE ROAD CONNECTIONS



HMA CONFORM TO EXISTING PAVED DITCH



CENTERLINE RUMBLE STRIP DETAIL 22



CENTERLINE RUMBLE STRIP PLACEMENT

TYPICAL CROSS SECTION AND CONSTRUCTION DETAILS X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Johnathon Jackson
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-FEB-2012
TIME PLOTTED => 07:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	3	9

Curtis D. Coburn 2/21/12
REGISTERED CIVIL ENGINEER DATE

February 21, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-12
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

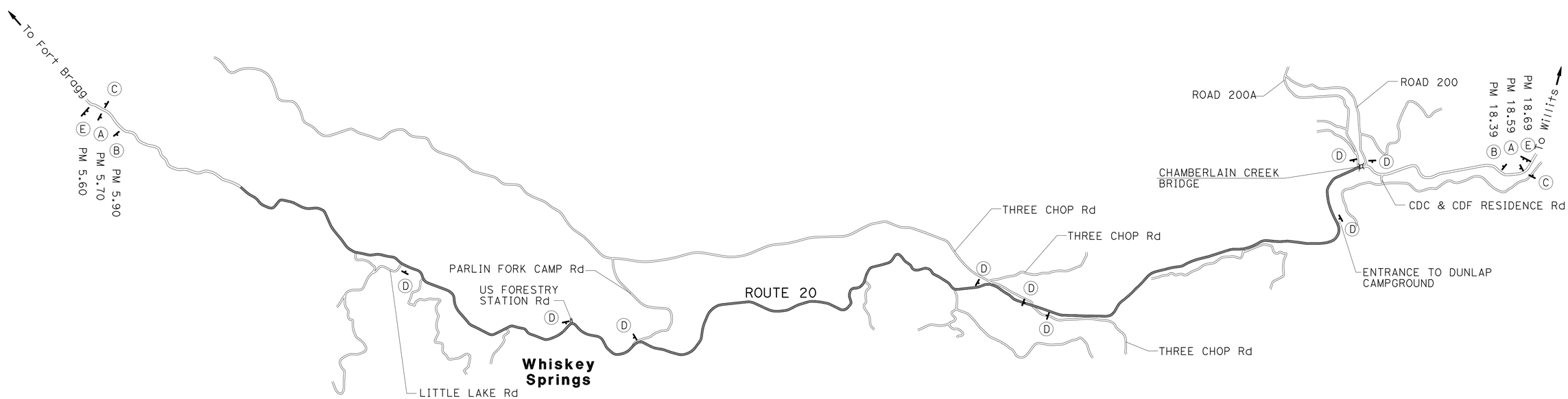
SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS
A	G20-1	ROAD WORK NEXT 13 MILES	60"x36"	2-4"x6"	2
	C23B(CA)	RESURFACING	54"x12"		
B	W11-1	BICYCLE SYMBOL	36"x36"	1-4"x6"	2
	W16-1	SHARE THE ROAD	24"x30"		
C	G20-2	END ROAD WORK	36"x18"	1-4"x4"	2
D	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	9
E	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72"x36"	2-4"x6"	2

C23B(CA)
54"x12"
4" CAPS
BLACK/ORANGE

RESURFACING

NOTES:

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



CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

REVISED BY | DATE REVISED
Johnathon Jackson | Curtis Coburn
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-FEB-2012 | TIME PLOTTED => 07:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	4	9

REGISTERED CIVIL ENGINEER — DATE 2/21/12

February 21, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CURTIS D. COBURN No. 58431 Exp. 12-31-12 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.

THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKER

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE: REMOVE	8" WHITE	4" YELLOW	4" WHITE	4" WHITE (BROKEN 12-3)	4" WHITE (BROKEN 36-12)	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED): TYPE D	TYPE G	REMARKS
			LF							EA		
7.00	10.59	22	18956			37912				1582		
7.00 Lt	10.65 Lt	27B	18956				19273					
7.00 Rt	8.77 Rt	27B	9346				9346					
8.78 Rt	8.80 Rt	38	159	318	159						8	
8.82 Rt	10.05 Rt	27B	6495				6495					
9.31 Lt	9.56 Lt	12	1320						1320		29	
10.04 Lt		22	0									FORESTRY STATION Rd
10.06 Rt	10.19 Rt	38	634	1268	634						28	
10.19 Rt	14.16 Rt	27B	20962				20962					
10.60 Lt		22	94			188				10		PARLIN FORK CAMP Rd
10.60	14.16	22	18797			37594				1570		
10.66 Lt	11.49 Lt	27B	4383				4383					
11.44 Lt	11.48 Lt	38	212	424	212						10	
11.55 Lt	14.22 Lt	27B	14098				14098					
14.17 Lt		22	0									THREE CHOP Rd
14.17 Rt		22	36			72				6		THREE CHOP Rd
14.17	16.71	22	13412			26824				1120		
14.23 Lt	17.26 Lt	27B	15999				15999					
14.17 Rt	15.63 Rt	27B	7709				7709					
15.64 Rt	15.69 Rt	38	264	528	264						12	
15.70 Rt	16.77 Rt	27B	5650				5650					
16.72 Rt		22	30			60				6		DUNLAP CAMPGROUND
16.72	17.27	22	2904			5808				244		
16.78 Rt	17.29 Rt	27B	2667				2667					
17.26 Lt	17.28 Lt	27C	106					106				
17.28 Lt	17.29 Lt	27B	27				27					
17.28 Lt		22	0									ROAD 200A
17.28	17.29	22	27			54				6		
			SUBTOTAL			108512	106609			4544	87	
			TOTAL	2538	1269	215121		106	1320	4631		

RUMBLE STRIP

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	CENTERLINE RUMBLE STRIP
			STA
7.00	10.59	22	189.6
10.60	14.16	22	188.0
14.17	16.71	22	134.1
16.72	17.27	22	29.0
17.28	17.29	22	0.3
		TOTAL	541.0

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	L+/R+ MEDIAN	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
9.25	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
9.28	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
9.31	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
10.60	Lt	FSBT	LIMIT LINE	28	PARLIN FORK CAMP Rd
10.60	Lt	FSBT	STOP (2)	44	PARLIN FORK CAMP Rd
14.17	Lt	FSBT	LIMIT LINE	21	THREE CHOP Rd
14.17	Lt	FSBT	STOP	22	THREE CHOP Rd
14.17	Rt	FNBT	LIMIT LINE	22	THREE CHOP Rd
14.17	Rt	FNBT	STOP	22	THREE CHOP Rd
16.72	Rt	FNBT	LIMIT LINE	29	DUNLAP CAMPGROUND ENTRANCE
16.72	Rt	FNBT	STOP	22	DUNLAP CAMPGROUND ENTRANCE
17.28	Lt	FSBT	LIMIT LINE	19	ROAD 200A
17.28	Lt	FSBT	STOP	22	ROAD 200A
			TOTAL	358	

THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	L+/R+ MEDIAN	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
9.25	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
9.28	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
9.31	Lt	FWBT	TYPE VI ARROW	42	WB No. 2 LANE
10.60	Lt	FSBT	LIMIT LINE	28	PARLIN FORK CAMP Rd
10.60	Lt	FSBT	STOP (2)	44	PARLIN FORK CAMP Rd
14.17	Lt	FSBT	LIMIT LINE	21	THREE CHOP Rd
14.17	Lt	FSBT	STOP	22	THREE CHOP Rd
14.17	Rt	FNBT	LIMIT LINE	22	THREE CHOP Rd
14.17	Rt	FNBT	STOP	22	THREE CHOP Rd
16.72	Rt	FNBT	LIMIT LINE	29	DUNLAP CAMPGROUND ENTRANCE
16.72	Rt	FNBT	STOP	22	DUNLAP CAMPGROUND ENTRANCE
17.28	Lt	FSBT	LIMIT LINE	19	ROAD 200A
17.28	Lt	FSBT	STOP	22	ROAD 200A
			TOTAL	358	

PAVEMENT DELINEATION QUANTITIES
PDQ-1

REVISED BY | DATE REVISED
Johnathon Jackson | Curtis Coburn
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: Royal B. McCarthy

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 22-FEB-2012 | TIME PLOTTED => 07:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	5	9

Curtis D. Coburn 2/21/12
REGISTERED CIVIL ENGINEER DATE

February 21, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CURTIS D. COBURN No. 58431 Exp. 12-31-12 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

LOCATION (POST MILE)			WIDTH	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	REMARKS
FROM	TO	L+/R+	LT	TON		SQYD	
7.00	7.01		29			129	
7.00	7.01		29	15.4	0.1		
7.01	7.35		26	470.3	2.2		
7.09	7.15	L+	24	72.5	0.4		WIDE SHOULDER
7.15	7.25	L+	15	75.6	0.4		WIDE SHOULDER
7.24	7.29	R+	7	16.9	0.1		WIDE SHOULDER
7.35	7.46		27	158.0	0.8		
7.46	8.55		26	1507.6	7.0		
7.47	7.52	R+	4	10.6	0.1		WIDE SHOULDER
7.77	7.83	R+	4	12.8	0.1		WIDE SHOULDER
8.02	8.06	L+	19	38.3	0.2		WIDE SHOULDER
8.04	8.09	R+	4	10.6	0.1		WIDE SHOULDER
8.33	8.36	L+	12	19.9	0.1		WIDE SHOULDER
8.48	8.54	L+	17	51.4	0.3		WIDE SHOULDER
8.55	8.58		27	43.1	0.2		
8.58	8.63		30	79.8	0.4		
8.63	8.80		32	289.4	1.4		
8.80	8.81		29	15.4	0.1		
8.00	8.94	L+	6	300.0	1.4		DIKE WITH HIGH SIDE SUPER DITCH
8.81	8.88		27	100.5	0.5		
8.83	8.88	R+	16	42.6	0.2		TURNOUT
8.88	8.94		29	92.6	0.5		
8.94	9.00		32	102.1	0.5		
9.00	9.25		26	345.8	1.6		
9.02	9.09	R+	8	29.8	0.2		WIDE SHOULDER
9.13	9.17	L+	12	26.6	0.2		WIDE SHOULDER W/CALL BOX WEST END
9.25	9.53		38	566.0	2.7		
9.38	9.40	R+	8	8.5	0.1		WIDE SHOULDER
9.48	9.53	R+	20	55.4	0.3		WIDE SHOULDER
9.53	11.22		26	2337.4	10.8		
9.54	9.57	L+	13	22.3	0.2		WIDE SHOULDER
9.60	9.64	R+	6	12.8	0.1		WIDE SHOULDER
10.00	10.09	R+	14	67.0	0.4		WIDE SHOULDER
10.02	10.05	L+	14	19.7	0.1		WIDE SHOULDER
10.11	10.25	R+	16	119.2	0.6		TURNOUT
10.25	10.29	R+	12	28.4	0.2		WIDE SHOULDER
10.29	10.34	R+	14	35.3	0.2		WIDE SHOULDER
10.60		L+	150	160.2	0.8	108	PARLIN FORK CAMP Rd
10.92	11.00	R+	11	44.3	0.3		WIDE SHOULDER
11.22	11.52		29	462.8	2.2		
11.24	11.29	L+	18	51.7	0.3		WIDE SHOULDER W/CALL BOX WEST END
11.24	11.29	R+	18	51.7	0.3		WIDE SHOULDER
11.37	11.40	R+	13	18.3	0.1		WIDE SHOULDER
11.44	11.52	L+	13	55.3	0.3		TURNOUT
11.52	11.58		26	83.0	0.4		
11.58	11.59		29	15.4	0.1		
11.59	11.74		26	207.5	1.0		
11.74	11.88		29	216.0	1.0		
11.88	12.59		26	982.0	4.6		
			SUBTOTAL	9547.8	46.2	237	

PLACE DIKE

LOCATION (POST MILE)		MINOR HMA	PLACE HOT MIX ASPHALT DIKE (TYPE A)	PLACE HOT MIX ASPHALT DIKE (TYPE E)	PLACE HOT MIX ASPHALT DIKE (TYPE F)
FROM	TO	TON	LF		
8.44 L+	8.81 L+	54.1	1954		
8.60 R+	8.68 R+	5.7			422
8.68 R+	8.70 R+	2.9	106		
8.71 R+	8.81 R+	14.6	528		
8.81 R+	8.83 R+	2.8		106	
8.83 L+	8.95 L+	17.6	634		
9.19 L+	9.26 L+	10.2	370		
15.41 L+	15.47 L+	8.8	317		
16.50 L+	16.75 L+	36.6	1320		
	TOTAL	153.3	5229	106	422

ROADWAY

LOCATION (POST MILE)			WIDTH	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	REMARKS
FROM	TO	L+/R+	LT	TON		SQYD	
11.99		R+	100	37.3	0.2	161	MAINTENANCE DISPOSAL AREA
12.03	12.08	L+	12	33.2	0.2		WIDE SHOULDER
12.59	12.63		29	61.7	0.3		
12.63	13.55		26	1272.4	5.9		
13.55	13.59		29	61.7	0.3		
13.59	13.85		26	359.6	1.7		
13.85	13.87		29	30.9	0.2		
13.87	14.08		26	290.5	1.4		
13.94	13.99	L+	8	21.3	0.1		WIDE SHOULDER
14.00	14.07	L+	11	41.0	0.2		WIDE SHOULDER
14.08	14.16		29	123.4	0.6		
14.16	14.68		26	719.2	3.4		
14.17		L+	48	12.0	0.1	93	THREE CHOP Rd
14.17		R+	37	15.7	0.1	61	THREE CHOP Rd
14.22	14.27	L+	13	32.7	0.2		WIDE SHOULDER
14.22	14.28	R+	17	58.2	0.3		WIDE SHOULDER
14.55	14.58	R+	13	19.0	0.1		WIDE SHOULDER
14.68	14.71		29	46.3	0.3		
14.71	14.82		26	152.1	0.7		
14.82	14.84		29	30.9	0.2		
14.84	15.39		26	760.7	3.5		
15.39	15.45		27	86.2	0.4		
15.45	16.28		26	1148.0	5.3		
15.61	15.67	R+	14	44.7	0.3		TURNOUT
15.80	15.87	L+	19	67.0	0.4		WIDE SHOULDER
15.87	15.96	R+	10	49.9	0.3		WIDE SHOULDER
16.28	16.33		29	77.1	0.4		
16.33	17.29		26	1327.8	6.2		
16.72		R+	128	46.4	0.3	189	DUNLAP CAMPGROUND
17.14	17.20	R+	36	112.4	0.6		WIDE SHOULDER
17.20	17.24	R+	13	30.1	0.2		WIDE SHOULDER
17.28		L+	26	22.2	0.2	87	ROAD 200A
17.28	17.29		26			174	CHAMBERLAIN CREEK BB
			SUBTOTAL	7191.6	34.6	765	
			SUBTOTAL	9547.8	46.2	237	
			TOTAL	16739.4	80.8	1002	

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Johnathan Jackson
CHECKED BY: Curtis Coburn
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 22-FEB-2012
TIME PLOTTED => 07:30

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	20	7.0/17.3	6	9

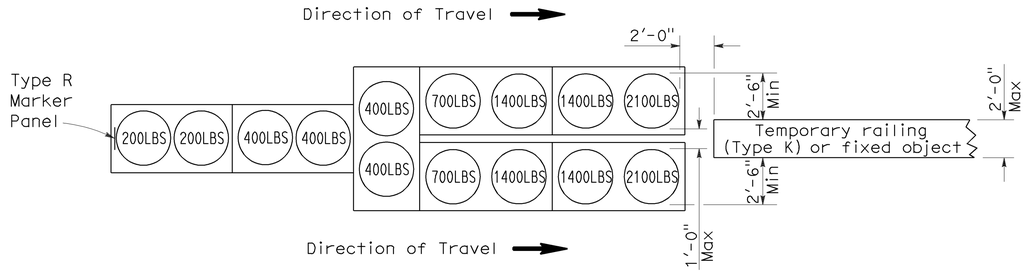
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

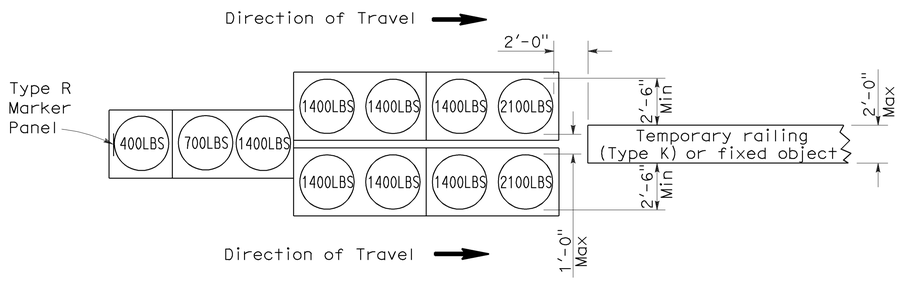
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated February 21, 2012



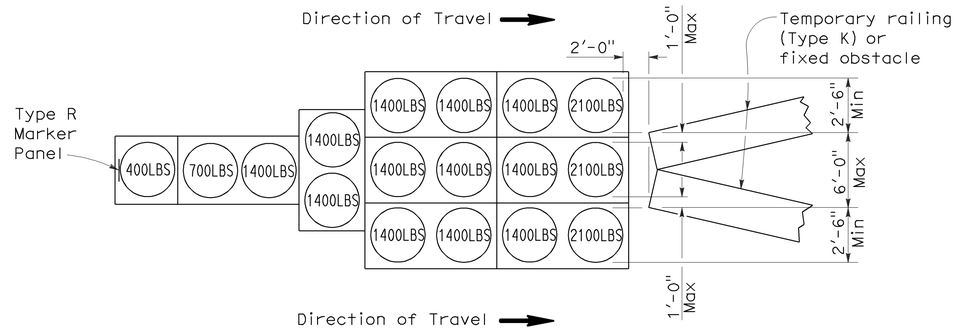
ARRAY 'TU14'

Approach speed 45 mph or more



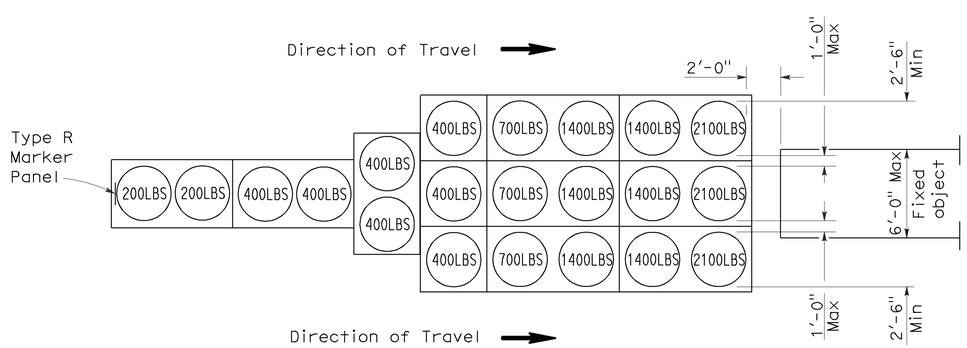
ARRAY 'TU11'

Approach speed less than 45 mph



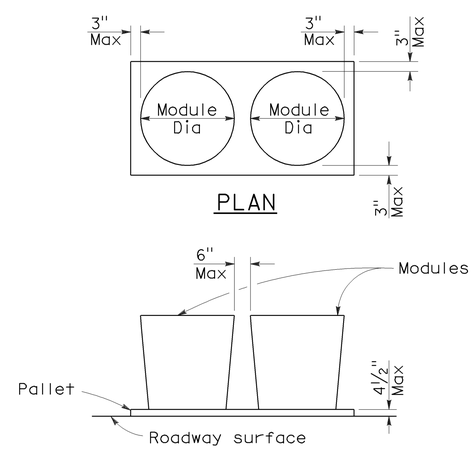
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



PLAN

ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	20	7.0/17.3	7	9

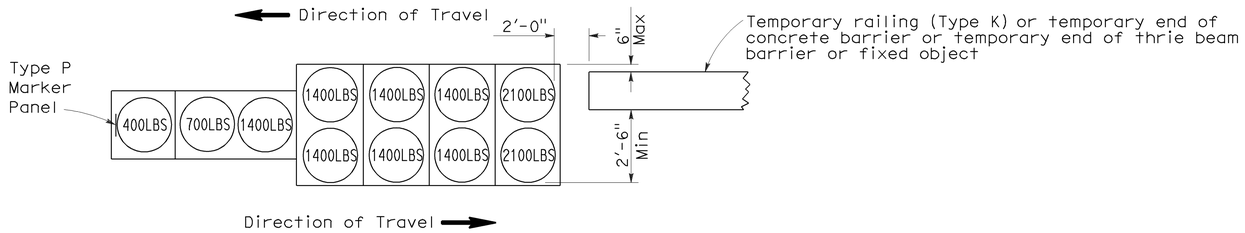
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

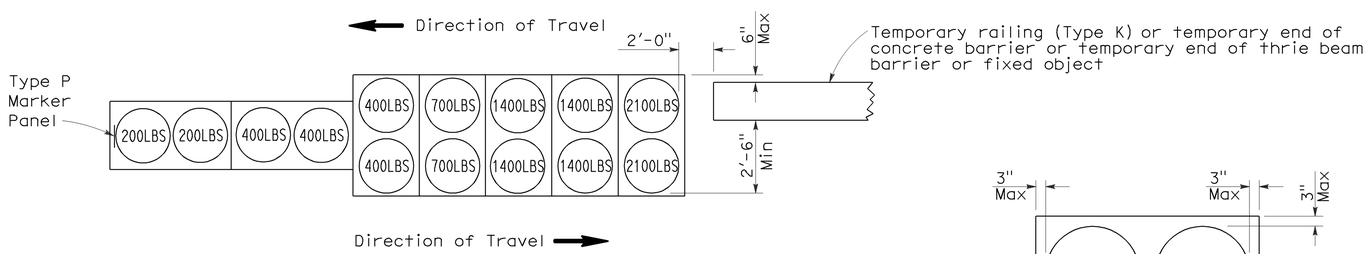
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated February 21, 2012



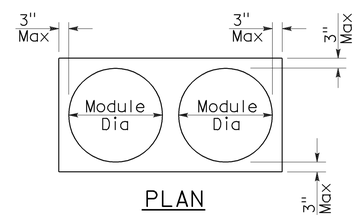
ARRAY 'TB11'

Approach speed less than 45 mph

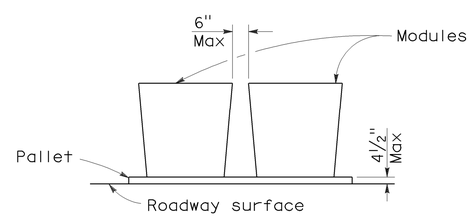


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	20	7.0/17.3	8	9

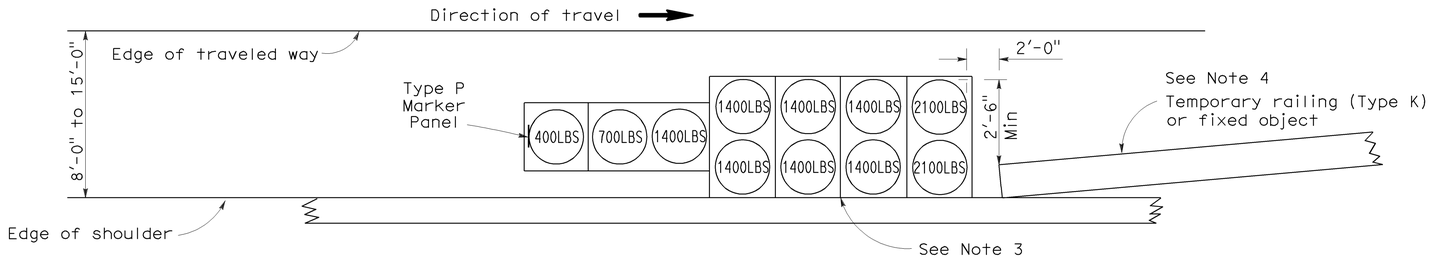
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

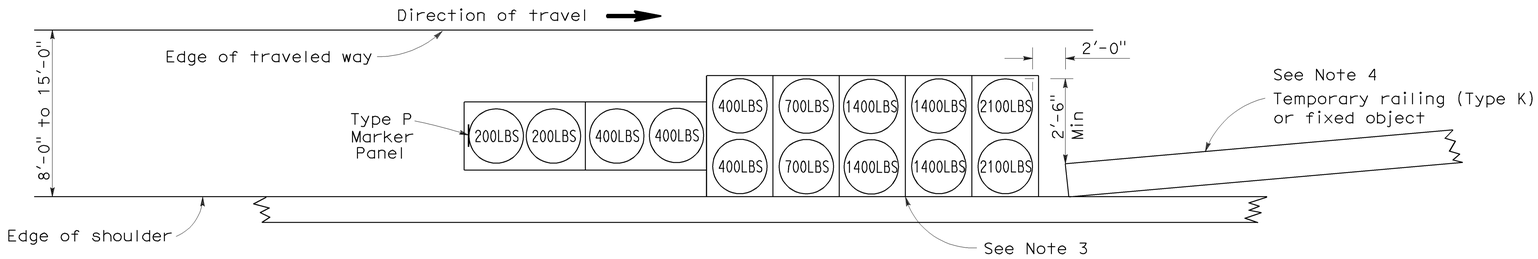
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated February 21, 2012



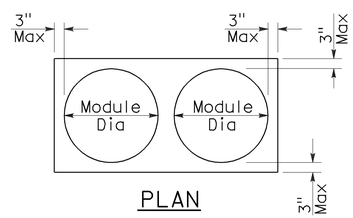
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

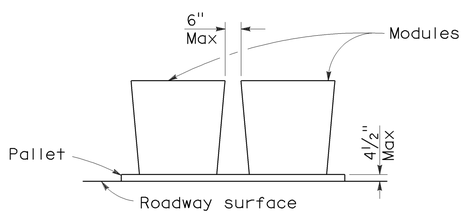


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	20	7.0/17.3	9	9

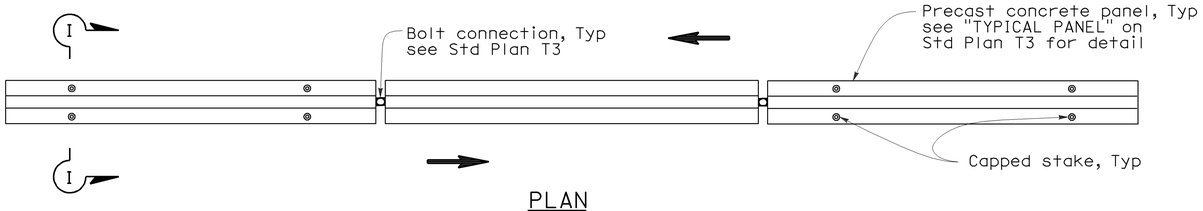
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

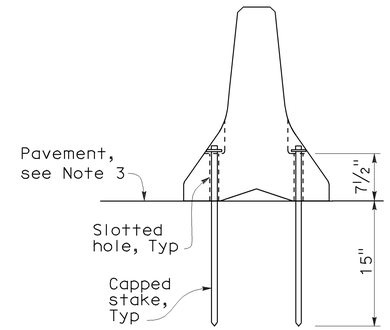
To accompany plans dated February 21, 2012



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

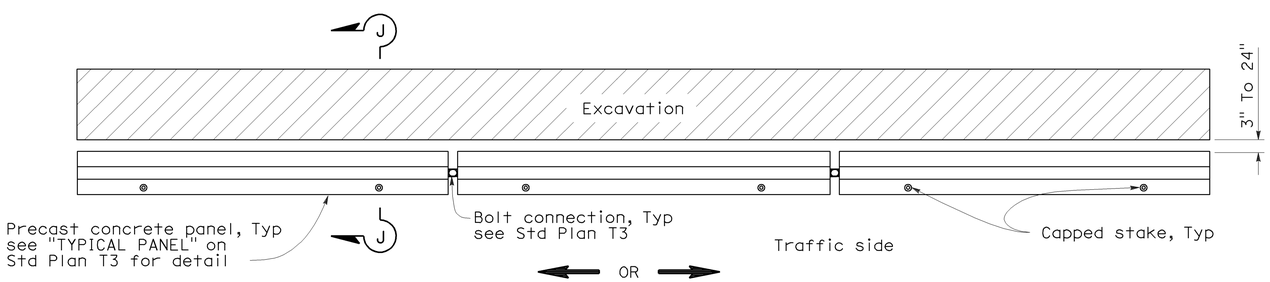
See Note 1



SECTION I-I

NOTES:

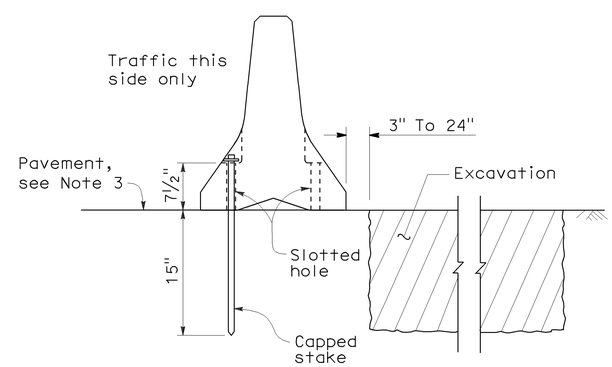
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



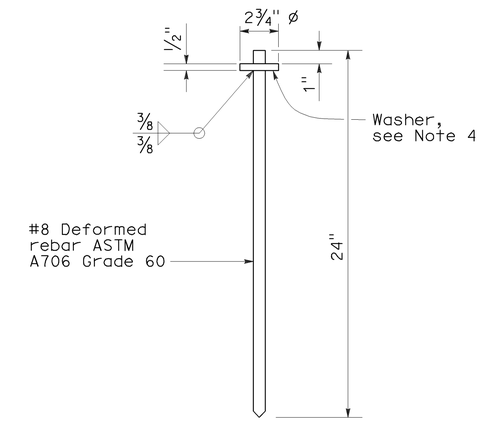
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A