INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4-5	CONSTRUCTION DETAILS
6	CONSTRUCTION AREA SIGNS
7	PAVEMENT DELINEATION DETAILS
8	PAVEMENT DELINEATION QUANTITIES
9	SUMMARY OF QUANTITIES
10-12	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

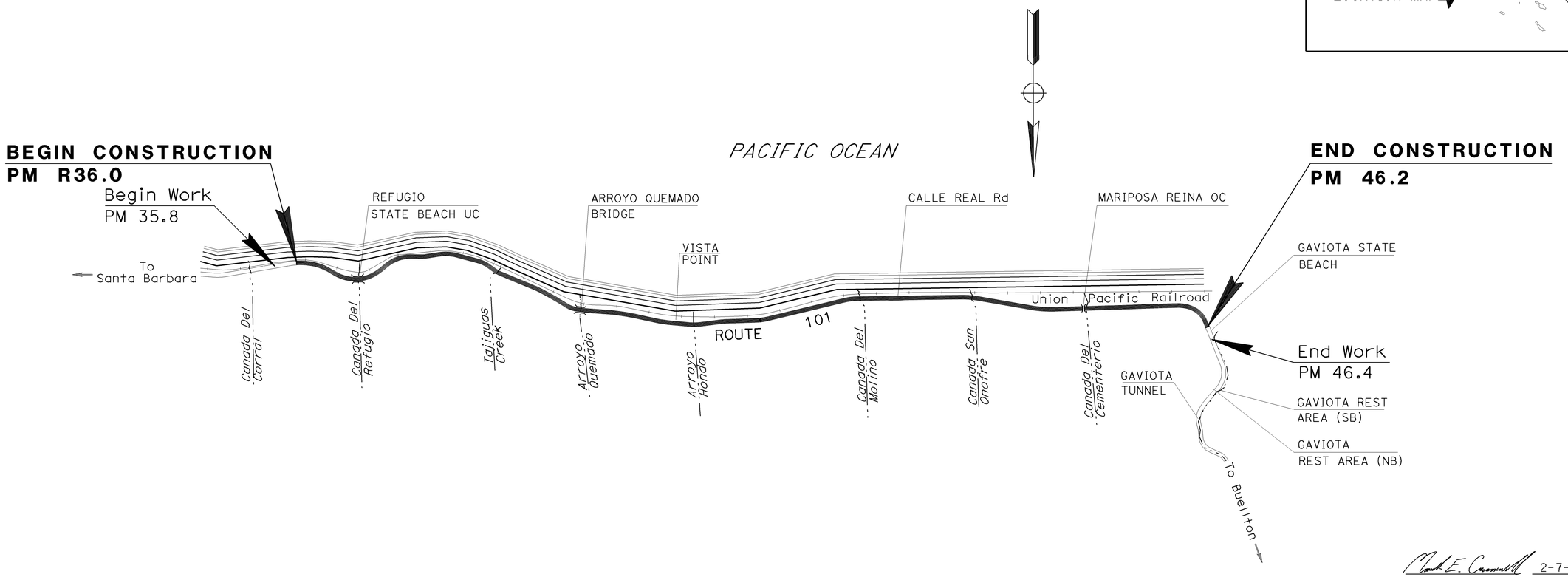
ACNH-Q101(200)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	1	12

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN SANTA BARBARA COUNTY NEAR GAVIOTA FROM 0.6 MILE EAST OF REFUGIO UNDERCROSSING TO 1.0 MILE SOUTH OF GAVIOTA TUNNEL

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

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

PROJECT MANAGER: KELLY J. McCLAIN

DESIGN ENGINEER: KELLY J. McCLAIN

Mark E. Cresswell 2-7-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
MARK CRESSWELL
No. 63117
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

February 7, 2011
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.	05-0T7204
PROJECT ID	0500020039

LAST REVISION 02-07-11
DATE PLOTTED => 07-MAR-2011
TIME PLOTTED => 10:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	2	12

REGISTERED CIVIL ENGINEER — DATE 2-7-11

PLANS APPROVAL DATE 2-7-11

REGISTERED PROFESSIONAL ENGINEER — MARK CRESSWELL No. 63117 Exp 6-30-12 CIVIL — STATE OF CALIFORNIA

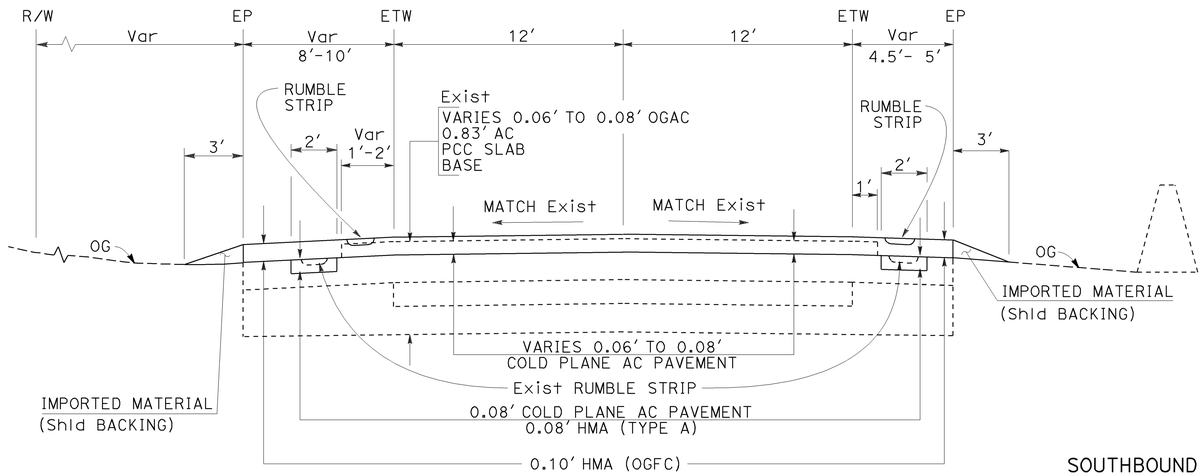
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

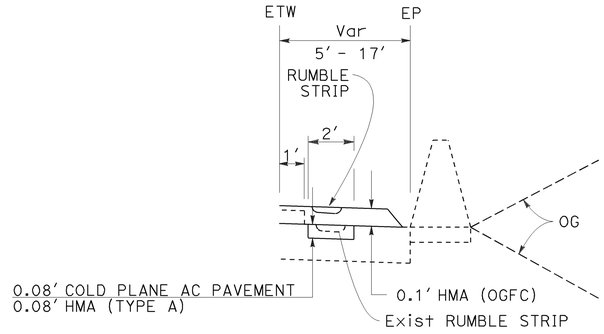
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. HMA SHALL NOT BE PLACED ON PCC STRUCTURES OR DRAINAGE INLET APRONS.
4. ASPHALTIC EMULSION (FOG SEAL COAT) SHALL BE PLACED ON EXISTING AC DIKE AND OVERSIDE DRAINS.

ABBREVIATION:

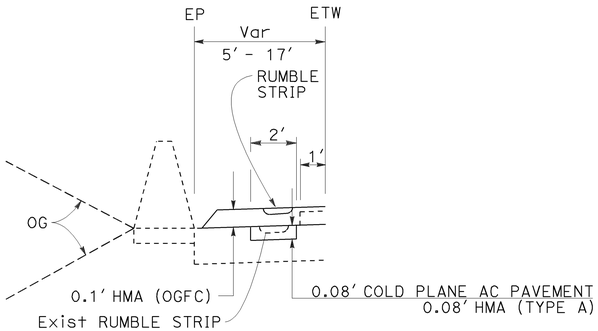
HMA (OGFC) = HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE)



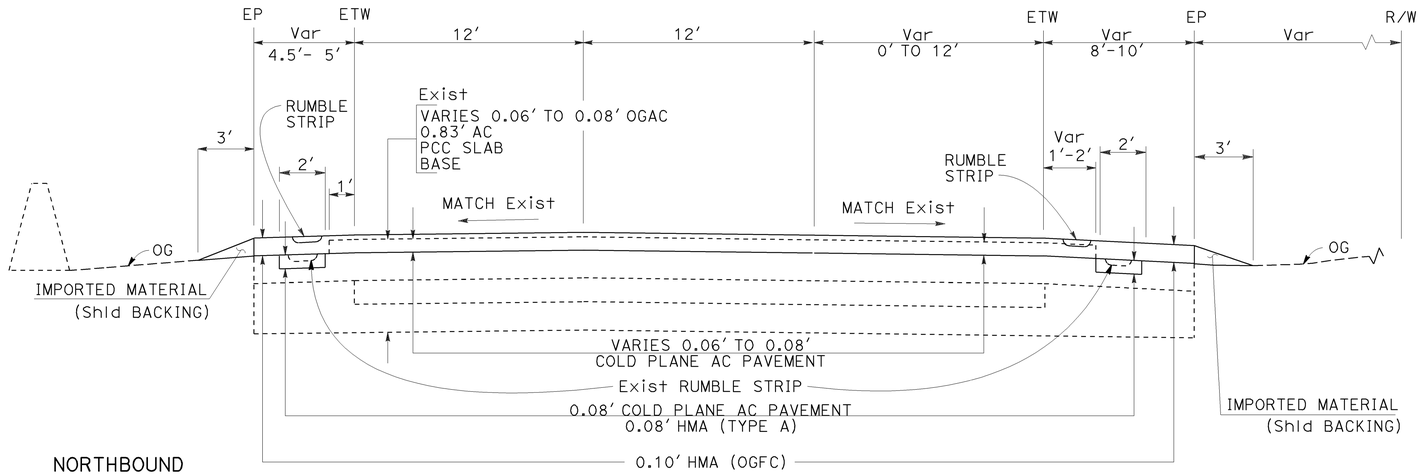
SOUTHBOUND
PM R36.0 / 46.2



PM 40.9/41.3
PM 46.0/46.2



PM 40.4/40.9
PM 41.6/41.7



NORTHBOUND
PM R36.0 / 46.2

ROUTE 101

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED
MARK CRESSWELL | KELLY J. McCLAIN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN

LAST REVISION 02-07-11 | DATE PLOTTED => 07-MAR-2011 | TIME PLOTTED => 10:57

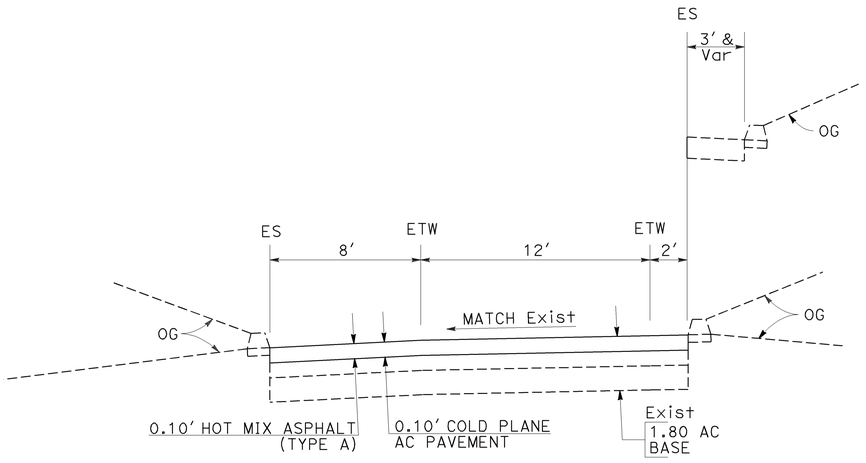
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	3	12

REGISTERED CIVIL ENGINEER — DATE 2-7-11

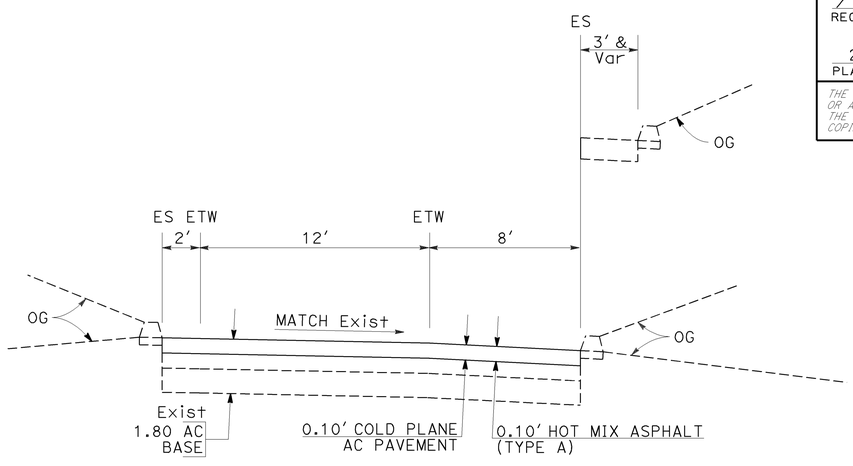
PLANS APPROVAL DATE 2-7-11

REGISTERED PROFESSIONAL ENGINEER — MARK CRESSWELL No. 63117 Exp 6-30-12 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.

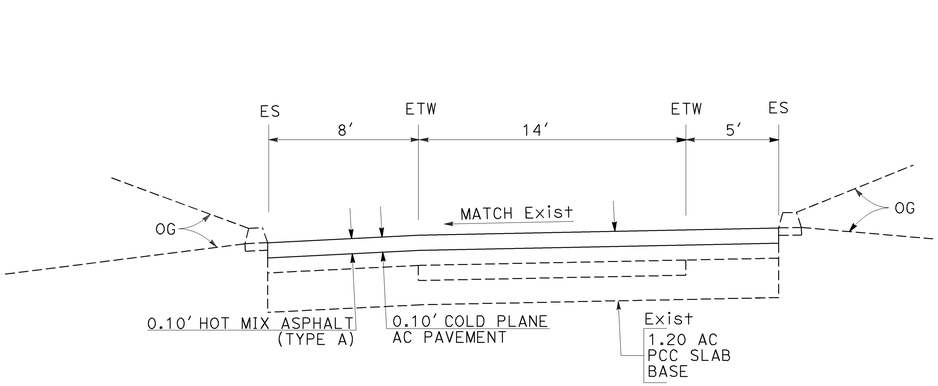


SOUTHBOUND RAMPS

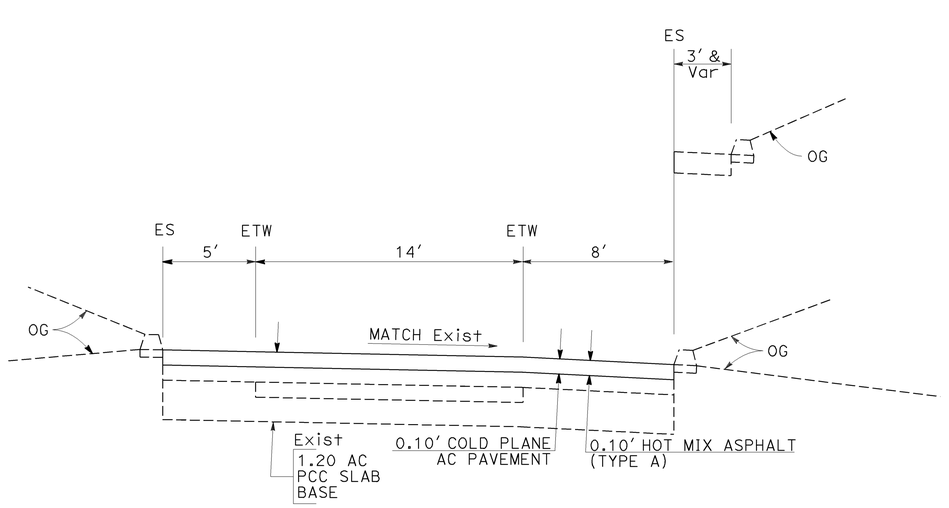


NORTHBOUND RAMPS

MARIPOSA REINA RAMPS



SOUTHBOUND RAMPS



NORTHBOUND RAMPS

REFUGIO RAMPS

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
CALCULATED-DESIGNED BY: MARK CRESSWELL
CHECKED BY: KELLY J. McCLAIN
REVISED BY
DATE REVISED

LAST REVISION 02-07-11
DATE PLOTTED => 07-MAR-2011
TIME PLOTTED => 10:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	4	12

REGISTERED CIVIL ENGINEER — DATE 2-7-11

MARK CRESSWELL No. 63117 Exp 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 2-7-11

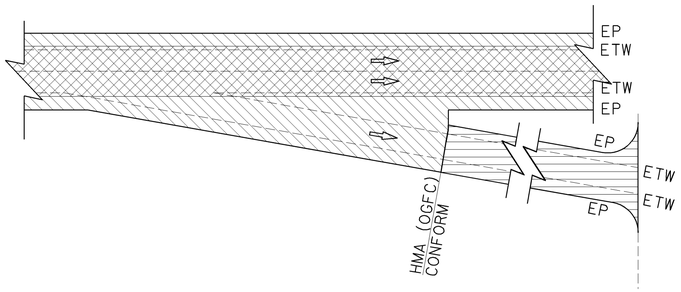
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

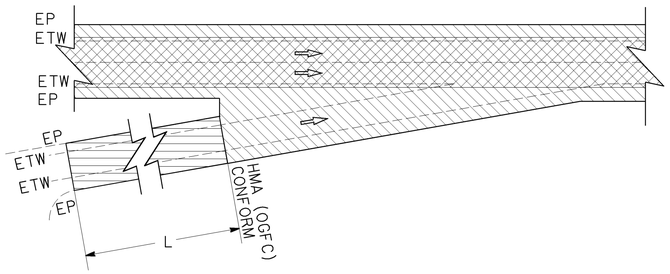
ABBREVIATION:

HMA (OGFC) = HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE)

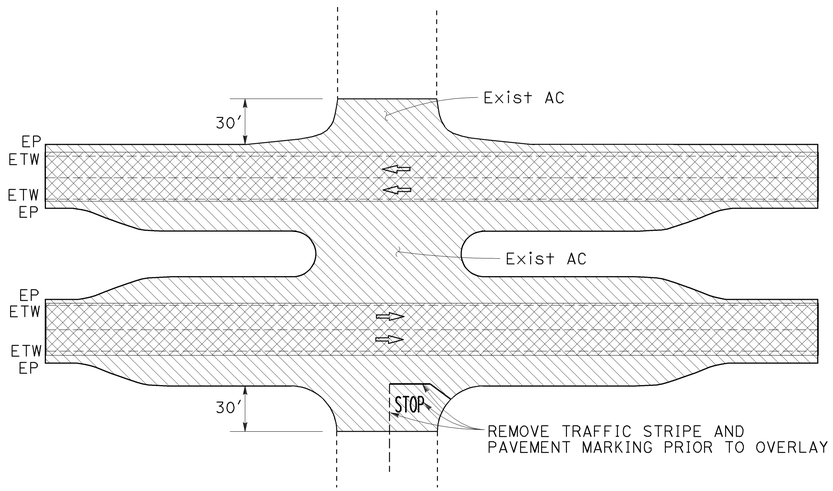
LEGEND:

- COLD PLANE AC PAVEMENT (REMOVE OGAC)
- 0.10′ HMA (OGFC)
- COLD PLANE AC PAVEMENT 0.10′ HOT MIX ASPHALT (TYPE A) 0.10′
- REPAIR ASPHALT CONCRETE SURFACING
- DIRECTIONAL ARROW

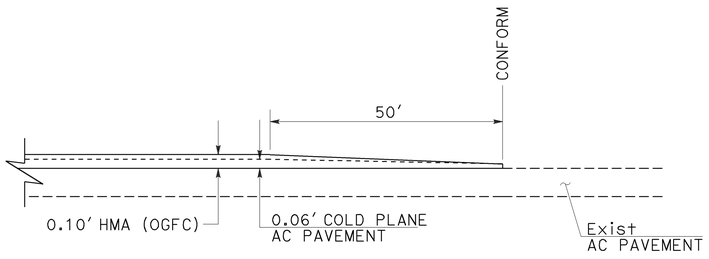




RAMP COLD PLANING AND PAVING DETAILS



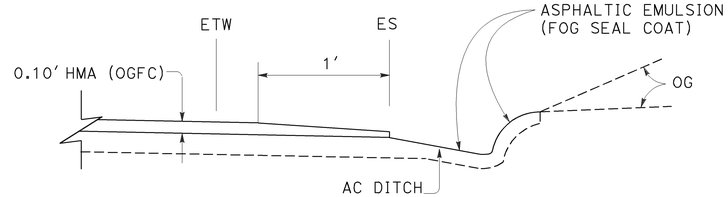
DETAIL AT DRIVEWAYS AND CROSSOVERS



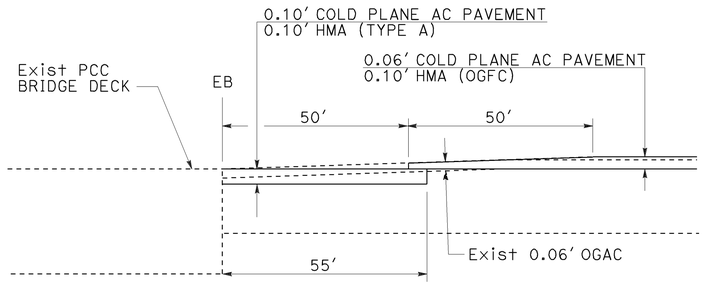
LONGITUDINAL HMA (OGFC) CONFORMS

RAMP LENGTHS "L"

LOCATION (PM)	DESCRIPTION	LENGTH	NOTES
R36.19	SB ON RAMP	710′	REFUGIO
R36.34	NB OFF RAMP	1,410′	REFUGIO
R36.45	SB OFF RAMP	950′	REFUGIO
R36.87	NB ON RAMP	1,310′	REFUGIO
44.43	NB OFF RAMP	760′	MARIPOSA REINA
44.68	SB ON RAMP	470′	MARIPOSA REINA
44.94	NB OFF RAMP	160′	MARIPOSA REINA
44.98	SB OFF RAMP	1,090′	MARIPOSA REINA



CONFORM AT AC DITCH



NOTE: WIDTH INCLUDES LANES AND SHOULDERS

LONGITUDINAL CONFORM AT BRIDGE

NB PM 36.58 & 36.67 (REFUGIO BRIDGE)
SB PM 36.56 & 36.62 (REFUGIO BRIDGE)
SB PM 39.68 & 39.89 (ARROYO QUEMADO BRIDGE)

CONSTRUCTION DETAILS

NO SCALE

C-1

CALCULATED-DESIGNED BY: MARK CRESSWELL
CHECKED BY: KELLY J. McCLAIN
REVISED BY / DATE REVISED
FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN

LAST REVISION DATE PLOTTED => 07-MAR-2011
02-07-11 TIME PLOTTED => 10:29

BORDER LAST REVISED 7/2/2010
USERNAME => s118989
DGN FILE => 05000200039ga001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1251
PROJECT NUMBER & PHASE 05000200391

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	5	12

REGISTERED CIVIL ENGINEER — DATE: 2-7-11

MARK CRESSWELL No. 63117 Exp 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE: 2-7-11

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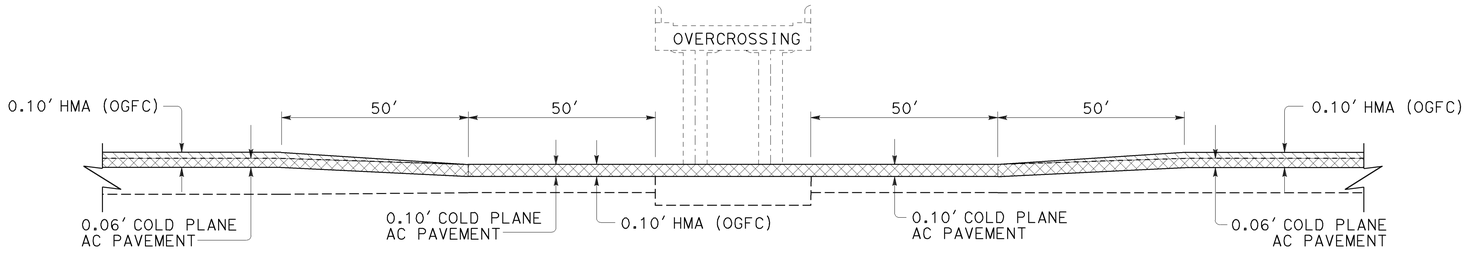
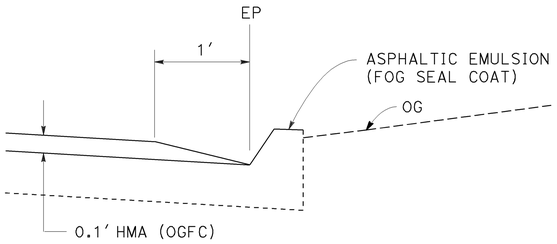
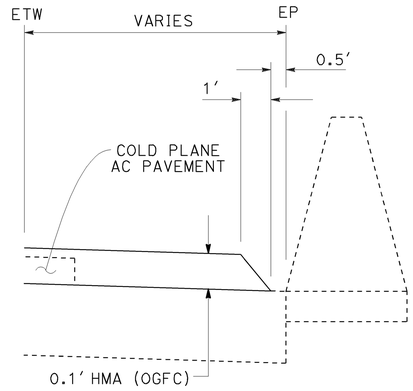


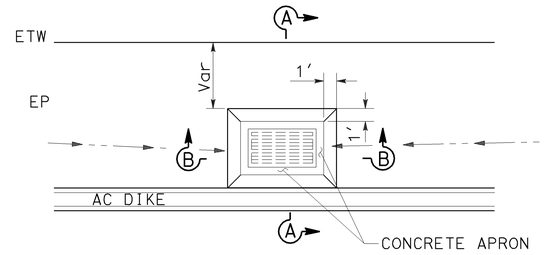
LONGITUDINAL AC CONFORMS AT OVERCROSSING



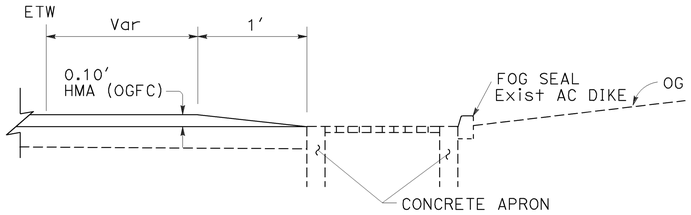
CONFORM AT AC DIKE



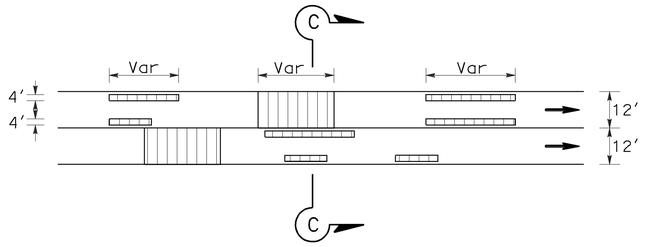
TYPICAL CONFORM AT PCC BARRIER



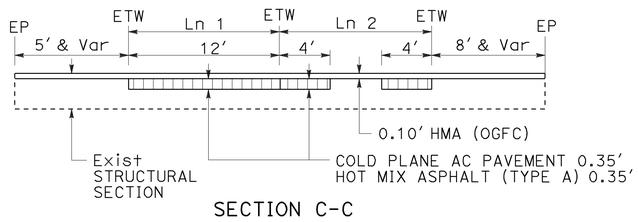
PLAN



SECTION A-A

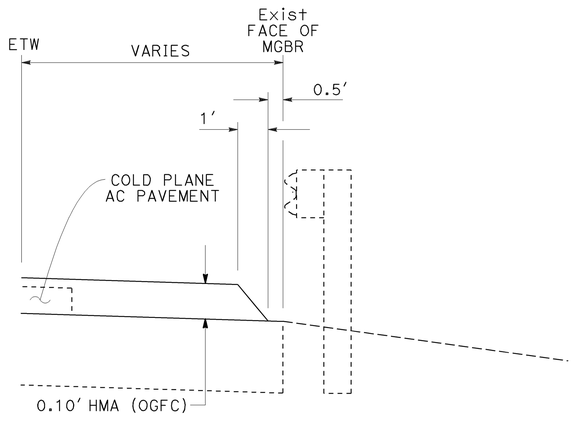


TYPICAL LOCATION PLAN

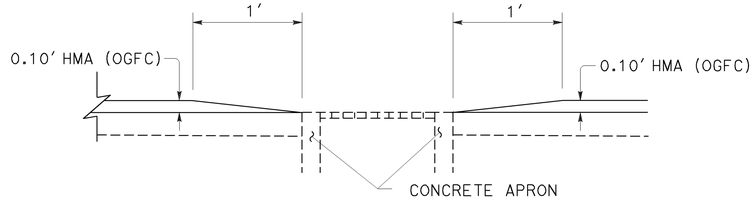


SECTION C-C

REPAIR ASPHALT CONCRETE SURFACING



TYPICAL CONFORM AT MBGR



SECTION B-B

DRAINAGE INLET CONFORM

CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN

CALCULATED-DESIGNED BY: MARK CRESSWELL

CHECKED BY: KELLY J. McCLAIN

REVISED BY	DATE REVISED

LAST REVISION: 02-07-11

DATE PLOTTED => 07-MAR-2011

TIME PLOTTED => 10:29

BORDER LAST REVISED 7/2/2010

USERNAME => s118989

DGN FILE => 05000200391ga002.dgn

RELATIVE BORDER SCALE IS IN INCHES: 0 1 2 3

UNIT 1251

PROJECT NUMBER & PHASE: 05000200391

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	6	12

Mark E. Cresswell 2-7-11
REGISTERED CIVIL ENGINEER DATE

2-7-11
PLANS APPROVAL DATE

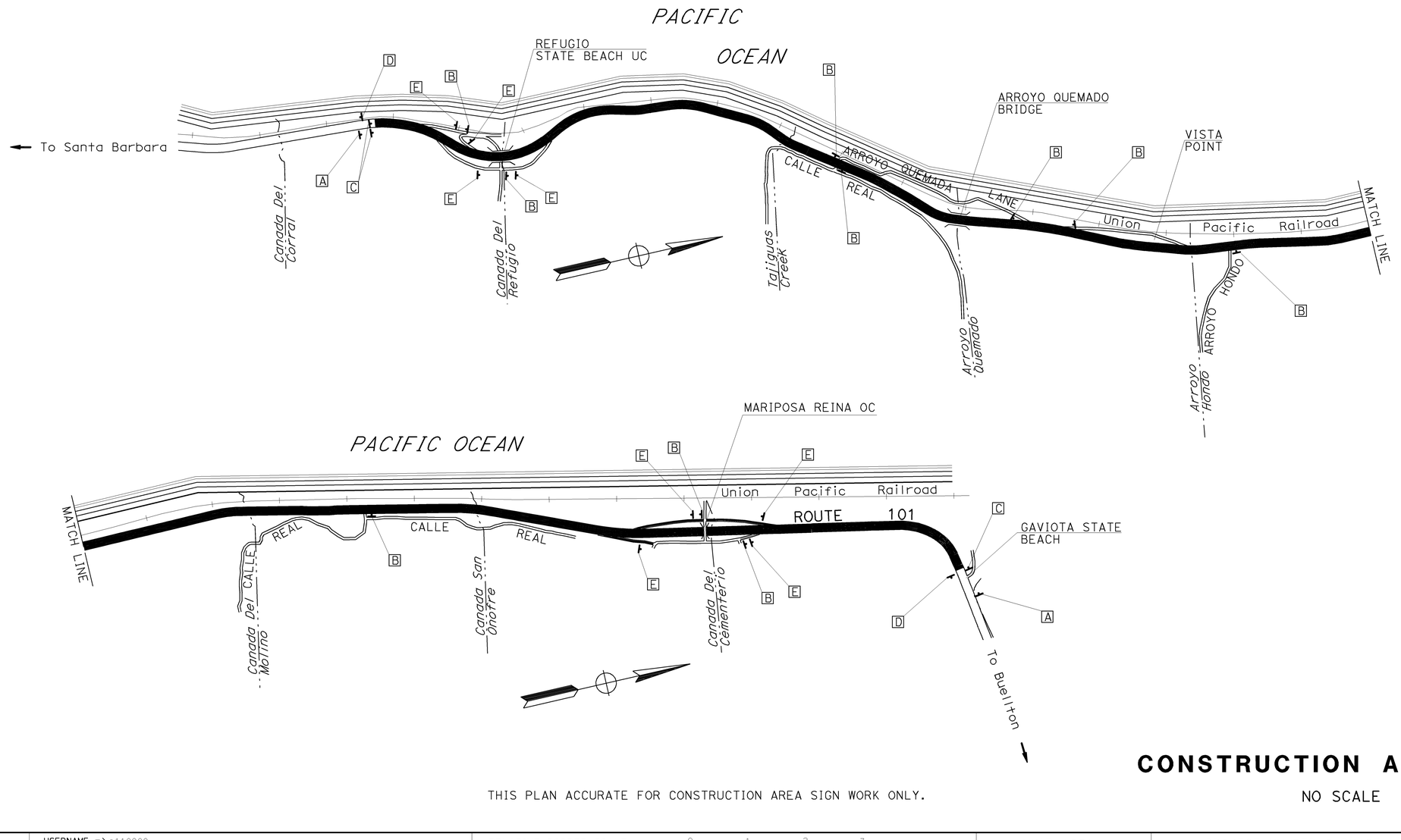
REGISTERED PROFESSIONAL ENGINEER — MARK CRESSWELL — No. 63117 — Exp 6-30-12 — CIVIL — STATE OF CALIFORNIA

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 10 MILES	36" x 18"	1- 4" x 4"	2
B	W20-1	ROAD WORK AHEAD	36" x 36"	1- 4" x 6"	10
C	W20-1	ROAD WORK AHEAD	48" x 48"	1- 6" x 6"	3
D	G20-2	END ROAD WORK	36" x 18"	1- 4" x 4"	2
E	SC6-4	RAMP CLOSURE	48" x 60"	1- 6" x 6"	8

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



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: MARK CRESSWELL
CHECKED BY: KELLY J. McCLAIN

LAST REVISION | DATE PLOTTED => 07-MAR-2011
02-07-11 | TIME PLOTTED => 10:29

BORDER LAST REVISED 7/2/2010

USERNAME => s118989
DGN FILE => 05000200391a001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1251 | PROJECT NUMBER & PHASE 05000200391

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	7	12

REGISTERED CIVIL ENGINEER — DATE 2-7-11

PLANS APPROVAL DATE 2-7-11

REGISTERED PROFESSIONAL ENGINEER — MARK CRESSWELL — No. 63117 — Exp 6-30-12 — CIVIL — STATE OF CALIFORNIA

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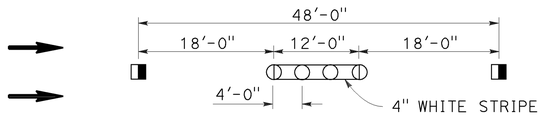
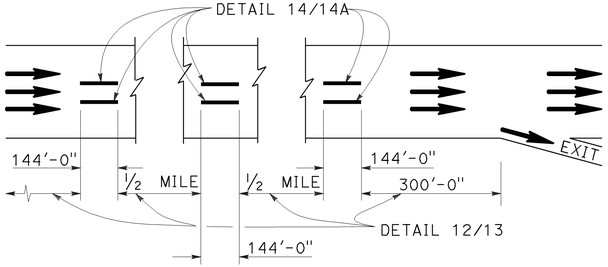
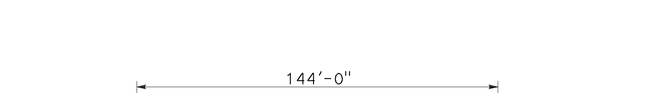


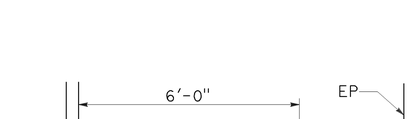
EXISTING
DETAIL 12 AND 13 COMBINED
(12/13)



EXISTING
TYPICAL LANE LINE DELINEATION
IN ADVANCE OF EXIT RAMP



EXISTING
DETAIL 14 AND 14A COMBINED
(14/14A)



AERIAL PATROL THERMOPLASTIC
PAVEMENT MARKING

VARIOUS LOCATIONS
NORTHBOUND AND SOUTHBOUND

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

REVISED BY | DATE REVISED

MARK CRESSWELL | KELLY J. McCLAIN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE DESIGN

LAST REVISION 02-07-11 | DATE PLOTTED => 07-MAR-2011 | TIME PLOTTED => 10:29

BORDER LAST REVISED 7/2/2010 | USERNAME => s118989 | DGN FILE => 0500020039nb001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1251 | PROJECT NUMBER & PHASE 05000200391

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	8	12

Mark E. Cresswell 2-7-11
REGISTERED CIVIL ENGINEER DATE

2-7-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK CRESSWELL
No. 63117
Exp 6-30-12
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.

PAVEMENT DELINEATION

POST MILE LIMITS	DETAIL No. OR PAVEMENT MARKING	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER (NON-REFLECTIVE)	PAVEMENT MARKER (RETROREFLECTIVE)			4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	8" THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING
					TYPE A	TYPE C	TYPE G	TYPE H	YELLOW	WHITE				
		LF	LF	SQFT	EA	EA	EA	EA	LF	LF	LF	LF	LF	SQFT
NB-ROUTE-101 FROM R36.00 TO 46.20	8		133									424		
	12/13 & 14/14A				5,104	18	1,270				60,270			
	25	1,956						1,221	57,714					
	27B		4,548							58,296				
	36, 36A, 38		1,323				208						4,707	
	AERIAL PATROL			80										80
	TYPE I ARROW													62
	TYPE III (L) / (R) ARROW			630										630
	TYPE V ARROW													1,120
	TYPE VI ARROW			126										252
	STOP BAR			60										120
	"STOP"													60
	"AHEAD"													30
	8" DIAGONALS			420										490
	SUBTOTAL	1,956	6,004	1,316	5,104	18	1,478	1,221	57,714	58,296	60,270	424	4,707	2,844
SB-ROUTE-101 FROM R36.00 TO 46.20	8		147									477		
	11/13 & 11/14				4,456	32	983				52,506			
	25	3,171						1,182	55,726					
	27B		4,390							56,572				
	36, 36A, 38		1,639				190						5,024	
	AERIAL PATROL			24										24
	TYPE I ARROW													62
	TYPE III (L) ARROW			504										504
	TYPE V ARROW													1,120
	TYPE VI ARROW			126										126
	STOP BAR			30										60
	"STOP"													45
	"AHEAD"													15
	SUBTOTAL	3,171	6,176	684	4,456	32	1,173	1,182	55,726	56,572	52,506	477	5,024	1,956
	TOTAL	5,127	12,180	2,000	9,560	5,104			228,308		112,776	901	9,731	4,800

PAVEMENT DELINEATION QUANTITIES
PDQ-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: MARK CRESSWELL
CHECKED BY: KELLY J. McCLAIN
FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION 02-07-11
DATE PLOTTED => 07-MAR-2011
TIME PLOTTED => 10:29

BORDER LAST REVISED 7/2/2010
USERNAME => s118989
DGN FILE => 0500020039nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1251
PROJECT NUMBER & PHASE 05000200391

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	R36.0/46.2	9	12

2-7-11
REGISTERED CIVIL ENGINEER DATE

MARK CRESSWELL No. 63117 Exp 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

2-7-11
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.

REPAIR ASPHALT CONCRETE SURFACING

LOCATION (PM)		COLD PLANE AC PAVEMENT * LANE 1 WIDTH FT	COLD PLANE AC PAVEMENT * LANE 2 WIDTH FT	AREA SQYD	HOT MIX ASPHALT (TYPE A) * TON	NOTES
NORTHBOUND	41.90 TO 41.93		12	220	52.0	
	42.69 TO 42.71		12	150	35.4	
	44.08 TO 44.10		4	50	11.8	#2 Lt WHEEL
	44.13 TO 44.14		4	30	7.1	#2 Lt WHEEL
	44.17 TO 44.19		4	50	11.8	#2 Rt WHEEL
	44.70 TO 44.71		4	30	7.1	#2 Lt WHEEL
	44.83 TO 44.84		4	30	7.1	#2 Rt WHEEL
	44.85 TO 44.88	12	12	430	101.6	
	46.15 TO 46.17		4	50	11.8	#2 Rt WHEEL
			SUBTOTAL	1,040	245.7	
SOUTHBOUND	38.93 TO 38.95		12	150	35.4	#2 Rt WHEEL
	39.05 TO 39.06		4	30	7.1	#2 Rt WHEEL
	40.37 TO 40.42		4	120	28.4	#2 Lt WHEEL
	41.66 TO 41.67		12	80	18.9	
			SUBTOTAL	380	89.8	
			TOTAL	1,420	335.5	

* - QUANTITIES INCLUDED IN PAVEMENT STRUCTURE QUANTITIES.

CHANNELIZERS

LOCATION	REMOVE CHANNELIZERS EA	CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE) EA	DETAILS
SB-ROUTE-101, Rt Shld FROM 39.79 TO 39.88	12	12	WHITE POST WHITE RETROREFLECTIVE SHEETING
SB-ROUTE-101, Lt Shld FROM 39.79 TO 39.88	12	12	YELLOW POST YELLOW RETROREFLECTIVE SHEETING
TOTAL	24	24	

PAVEMENT STRUCTURE

POST MILE LIMITS	COLD PLANE AC PAVEMENT SQYD	HOT MIX ASPHALT (TYPE A) TON	HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE) TON	TACK COAT TON	ASPHALTIC EMULSION (FOG SEAL COAT) TON	IMPORTED MATERIAL (SHOULDER BACKING) TON	RUMBLE STRIP STA
NB-ROUTE 101- PM R36.0 TO 46.2	194,748	2,298	16,472	91.7	4.5	1,289	888
SB-ROUTE 101- PM R36.0 TO 46.2	172,282	1,840	15,381	84.8	2.8	1,687	891
TOTAL	367,030	4,138	31,853	176.5	7.3	2,976	1,779

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
MARK CRESSWELL | KELLY J. McCLAIN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION 02-07-11 | DATE PLOTTED => 07-MAR-2011 | TIME PLOTTED => 10:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	101	R36.0/46.2	10	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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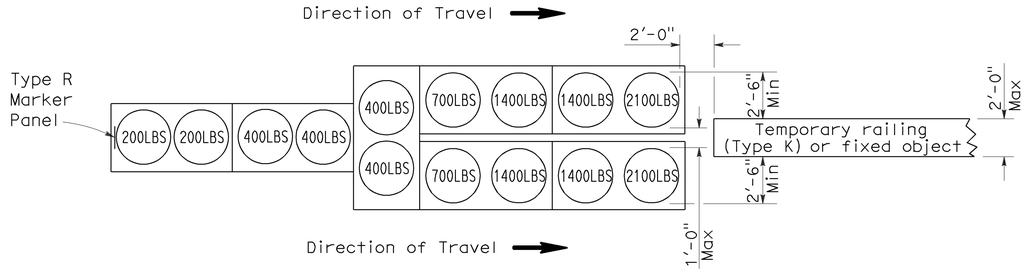
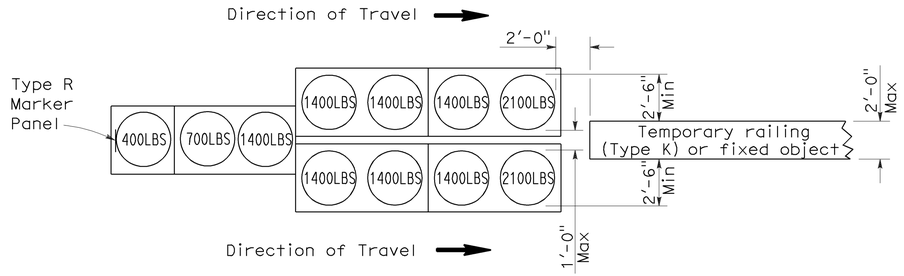
To accompany plans dated 2-7-11



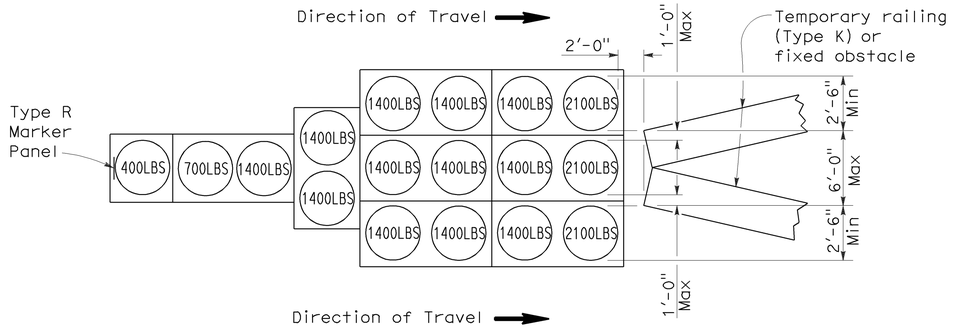
ARRAY 'TU14'

Approach speed 45 mph or more



ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU17'

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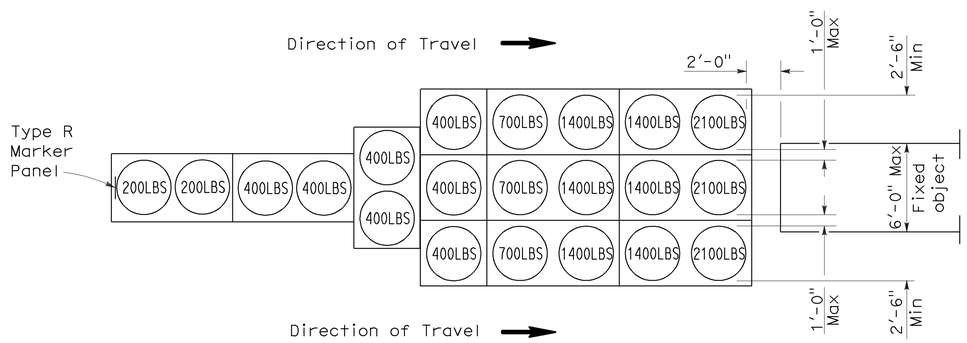
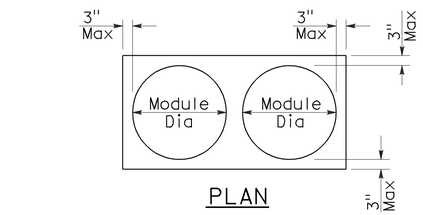
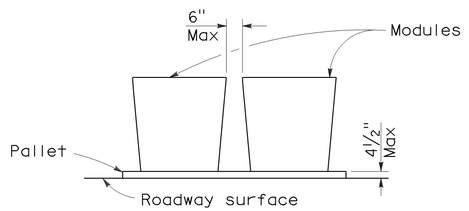


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	101	R36.0/46.2	11	12

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

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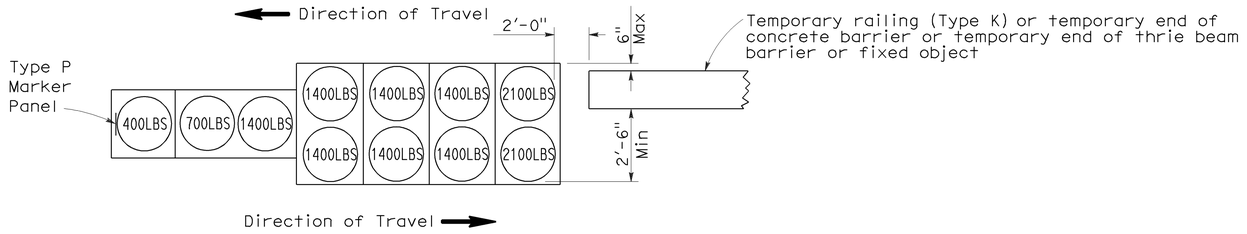
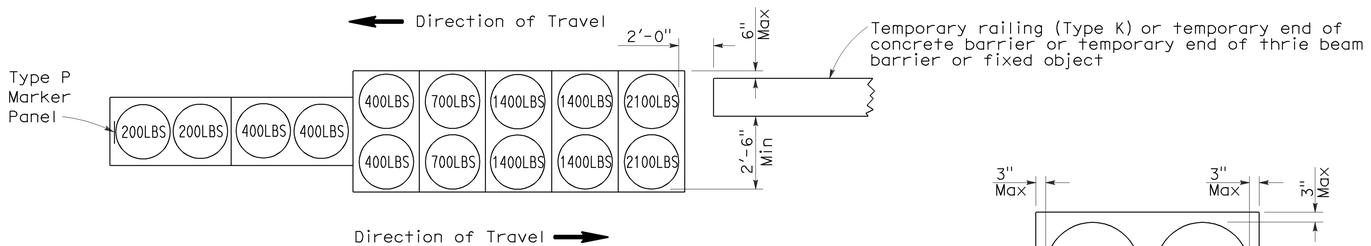
To accompany plans dated 2-7-11



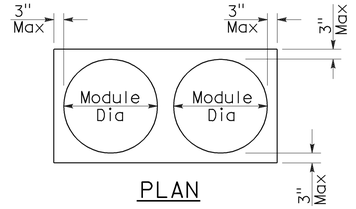
ARRAY 'TB11'

Approach speed less than 45 mph

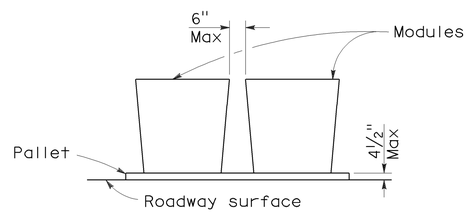


ARRAY 'TB14'

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
05	SB	101	R36.0/46.2	12	12

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

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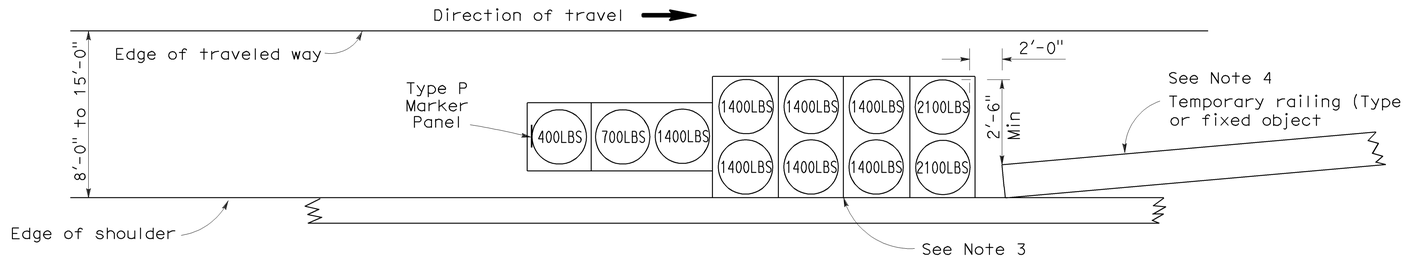
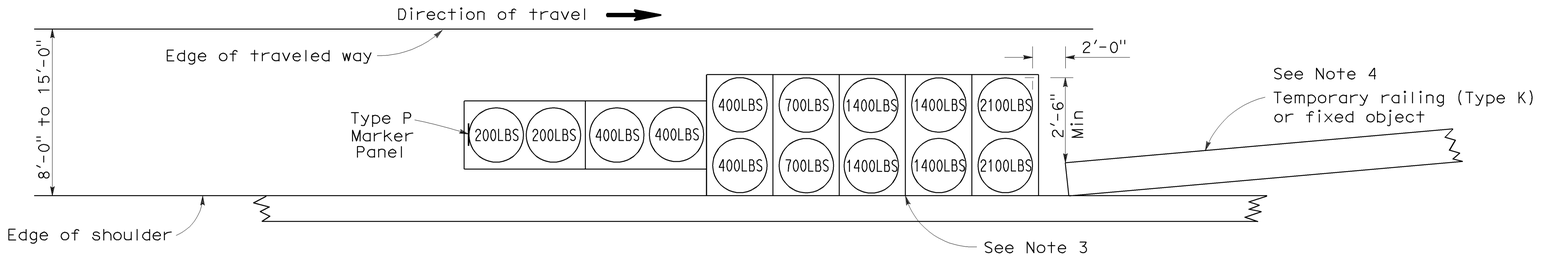
To accompany plans dated 2-7-11



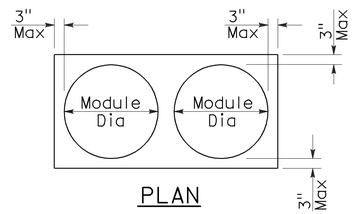
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

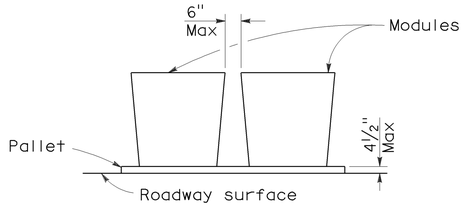


ARRAY 'TS14'

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