Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36, 299	Var	1	9

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES
3-5	NEW OR REVISED STANDARD PLANS
	STRUCTURE PLANS
6-7	GENERAL PLAN
8-9	JOINT SEAL DETAILS

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

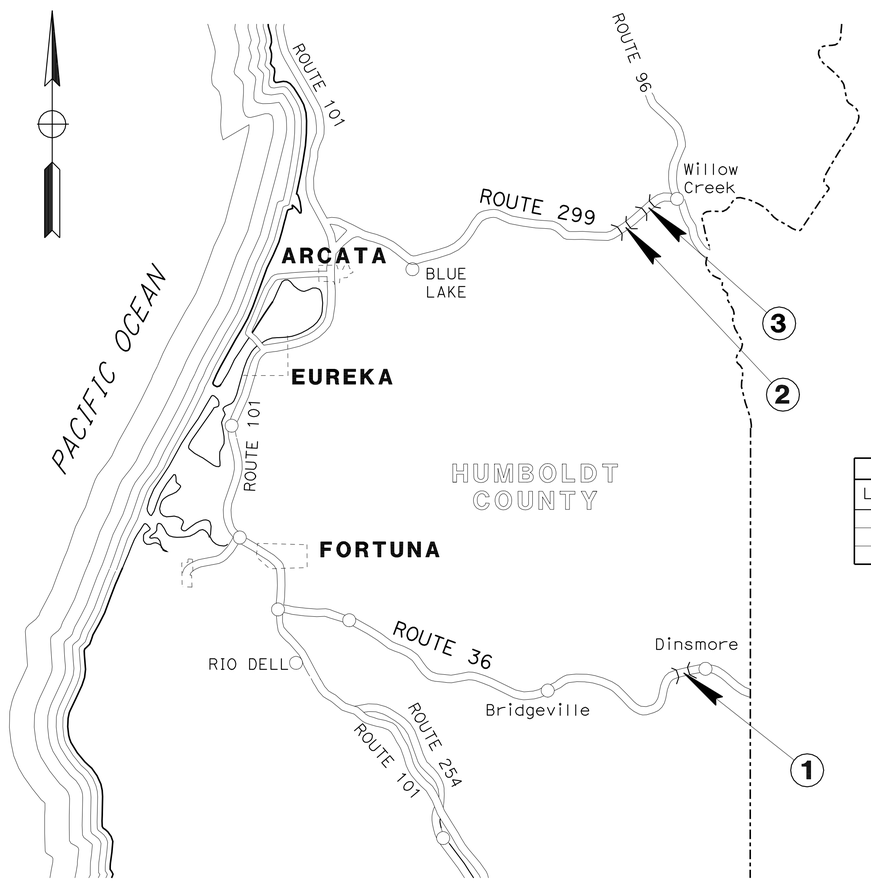
STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN HUMBOLDT COUNTY AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

LOCATION	ROUTE	PM	BRIDGE NAME	BRIDGE No.
1	36	40.45	VAN DUZEN RIVER	04-0129
2	299	34.56	WILLOW CREEK	04-0162
3	299	35.55	WILLOW CREEK	04-0163

James T Van Bonn 1/31/11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

January 31, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James T. Van Bonn
No. 70723
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 SCANNED COPIES OF THIS PLAN SHEET.

PROJECT MANAGER: Royal B. McCarthy

DESIGN ENGINEER: Royal B. McCarthy

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

NO SCALE

CONTRACT No.	01-496804
PROJECT ID	0100000682

LAST REVISION 00-00-00 DATE PLOTTED => 24-FEB-2011 TIME PLOTTED => 09:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	36, 299	Var	2	9

REGISTERED CIVIL ENGINEER — DATE 1/31/11

January 31, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — James T. Van Bonn — No. 70723 — 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 SCANNED COPIES OF THIS PLAN SHEET.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

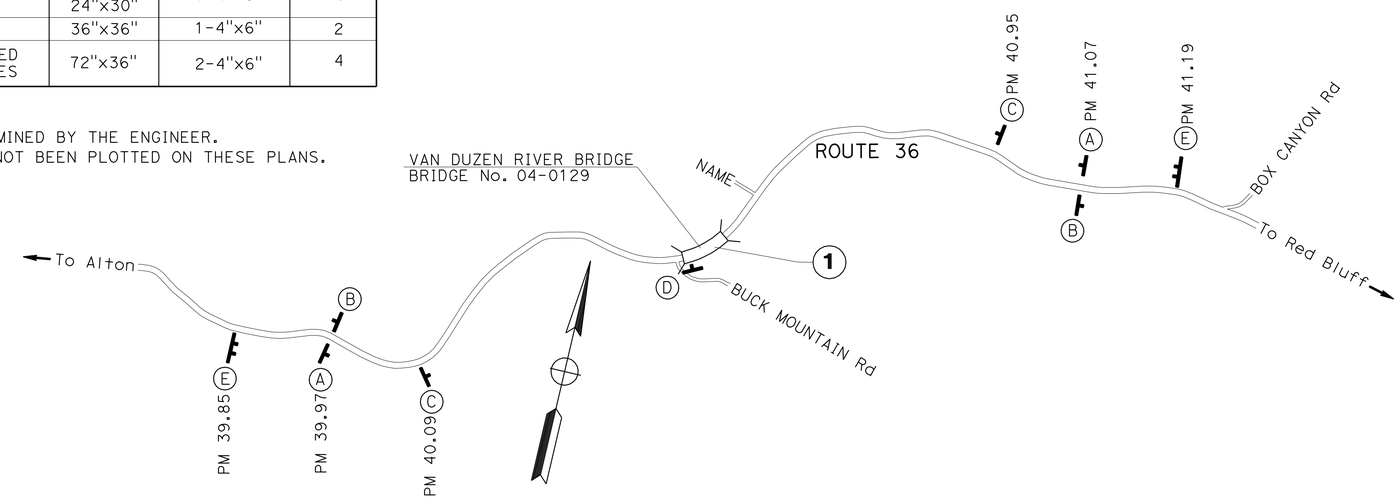
SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NO OF POSTS AND SIZE	NO. OF SIGNS
A	G20-1	ROAD WORK NEXT 10 MILES	60"x36"	2-4"x6"	4
	SP1	BRIDGE REPAIR	54"x12"		
B	G20-2	END ROAD WORK	36"x18"	1-4"x4"	4
C	W11-1	BICYCLE SYMBOL	36"x36"	1-4"x6"	4
	W16-1	SHARE THE ROAD	24"x30"		
D	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	2
E	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72"x36"	2-4"x6"	4

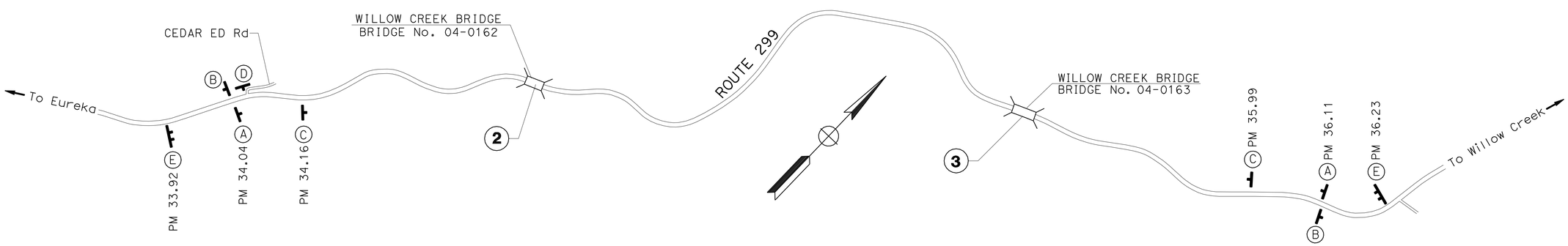
NOTES:

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

SP1
54"x12"
4" CAPS
BLACK/ORANGE

BRIDGE REPAIR





TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION #	FROM	TO	Rt/Lt	DETAIL No.	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE: REMOVE 4" YELLOW (SOLID)	REMOVE 4" WHITE (SOLID)	4" YELLOW (SOLID)	4" WHITE (SOLID)	(N) REMOVE PAVEMENT MARKER	PAVEMENT MARKER (RETROREFLECTIVE -RECESSED)
					LF					EA	
Route 36											
1	40.45	40.51	Rt&Lt	27B	624		624		624		
	40.45	40.51		22	312	624		624		28	28
Route 299											
2	34.56	34.59	Rt&Lt	27B	322		322		322		
	34.56	34.59		21	161	322		322			
3	35.60	35.65	Rt&Lt	27B	418		418		418		
	35.60	35.65		21	209	418		418			
					SUBTOTAL	1364	1364	1364	1364		
					TOTAL	2728		2728		28	28

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

CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES

CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: James T. Van Bonn
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 24-FEB-2011
TIME PLOTTED => 09:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	36, 299	Var	3	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

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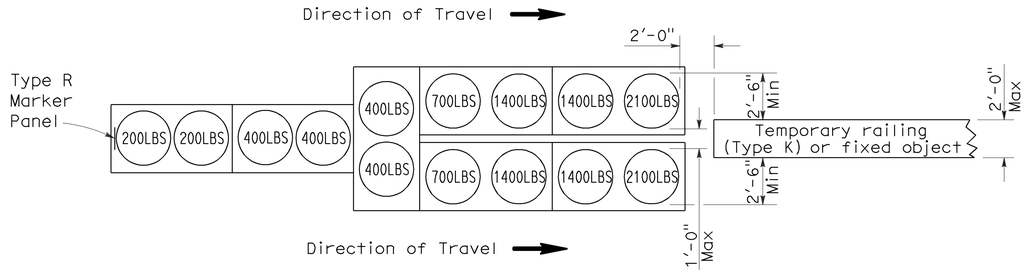
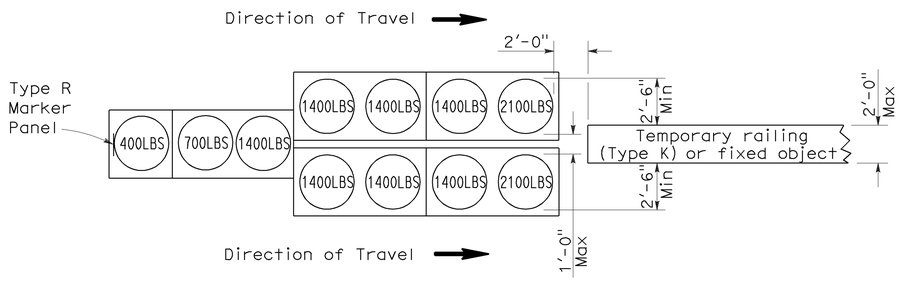
To accompany plans dated January 31, 2011



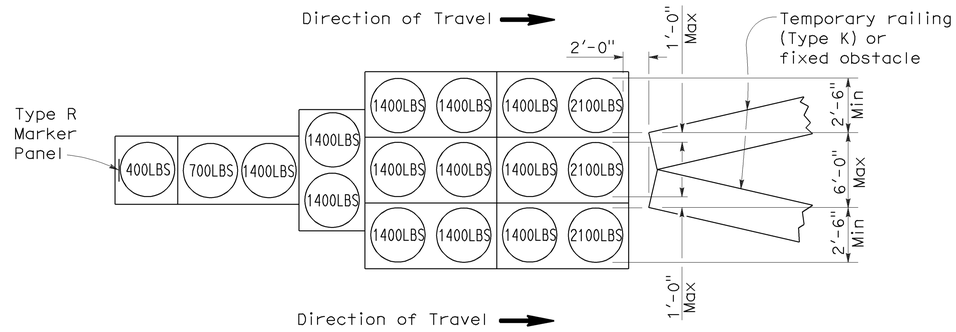
ARRAY 'TU14'

Approach speed 45 mph or more



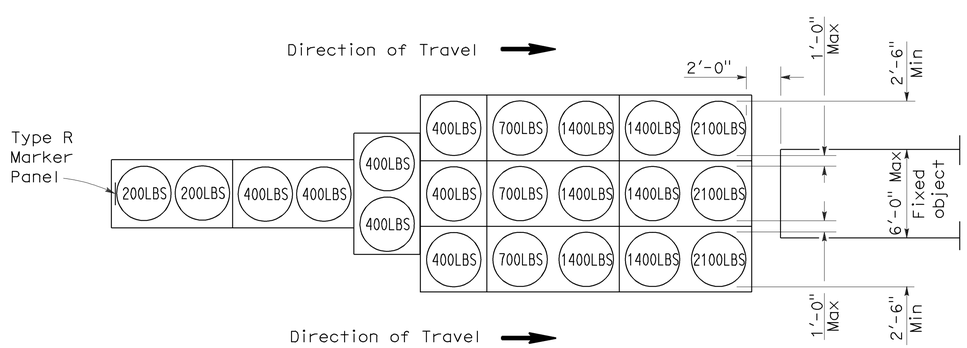
ARRAY 'TU11'

Approach speed less than 45 mph



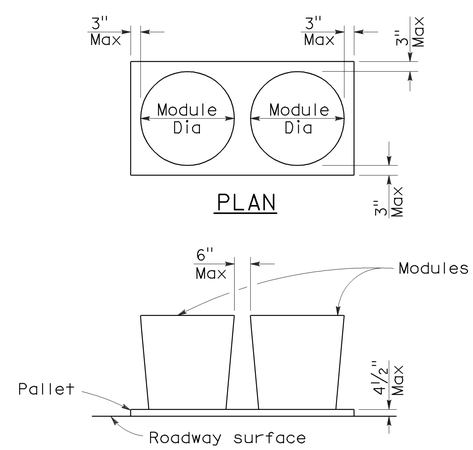
ARRAY 'TU17'

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	Hum	36, 299	Var	4	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

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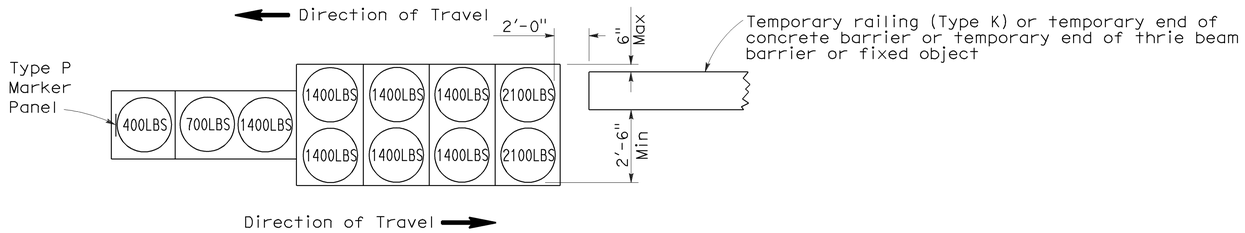
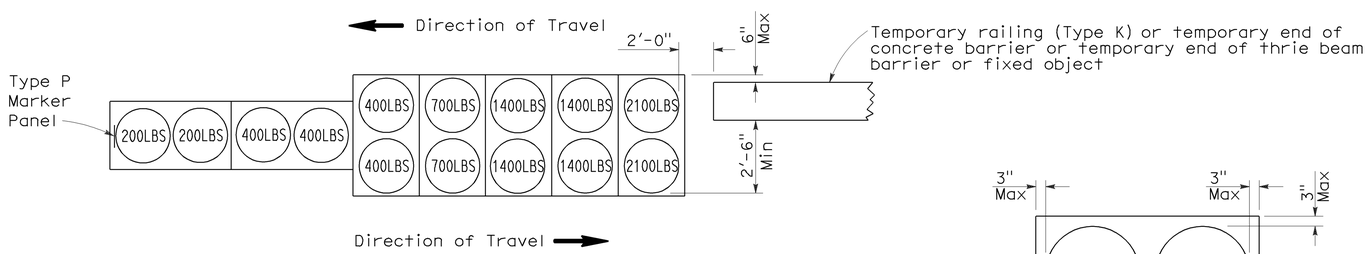
To accompany plans dated January 31, 2011



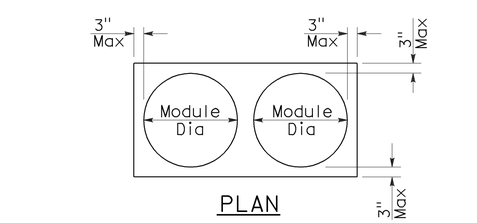
ARRAY 'TB11'

Approach speed less than 45 mph

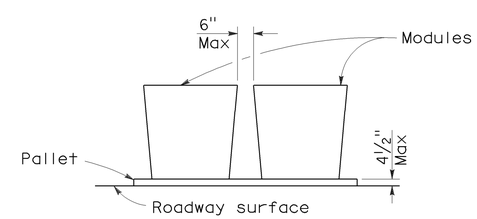


ARRAY 'TB14'

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	Hum	36, 299	Var	5	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

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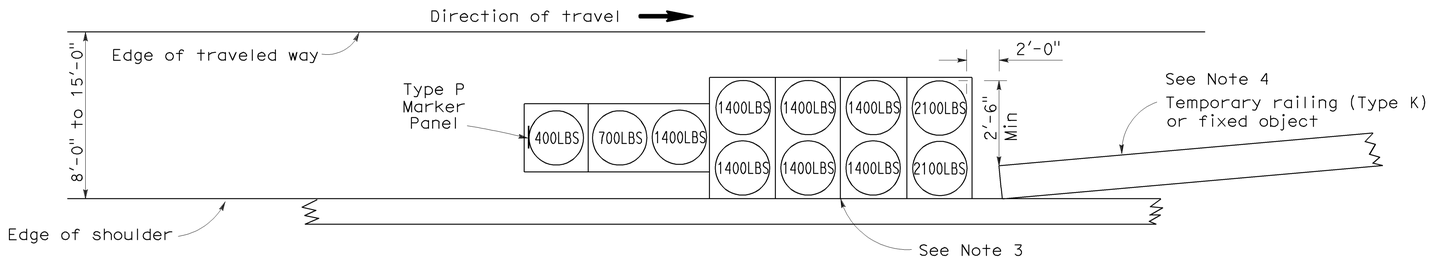
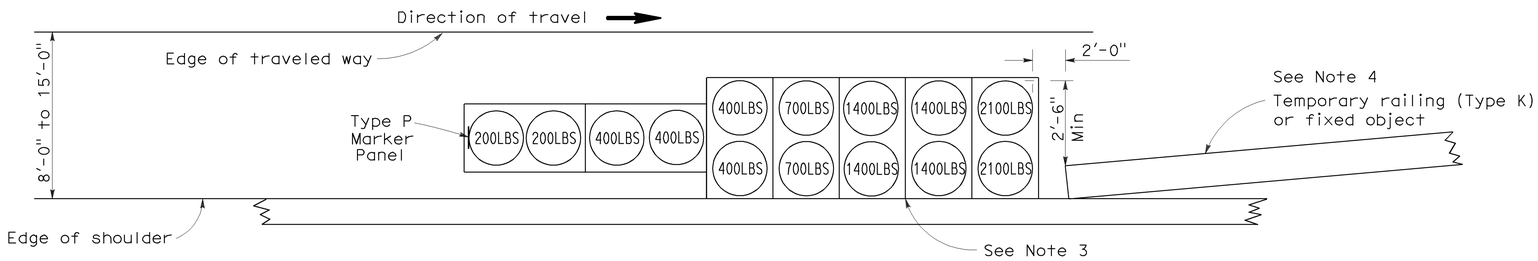
To accompany plans dated January 31, 2011



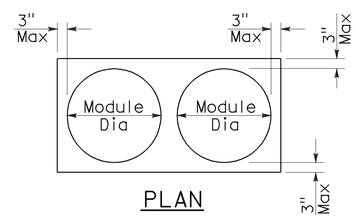
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

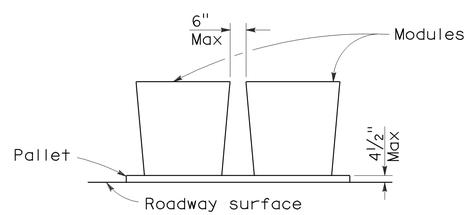


ARRAY 'TS14'

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	HUM	36,299	R42.53,34.56	6	9

REGISTERED CIVIL ENGINEER 02-01-11 DATE

01-31-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN P. NGUYEN No. 68270 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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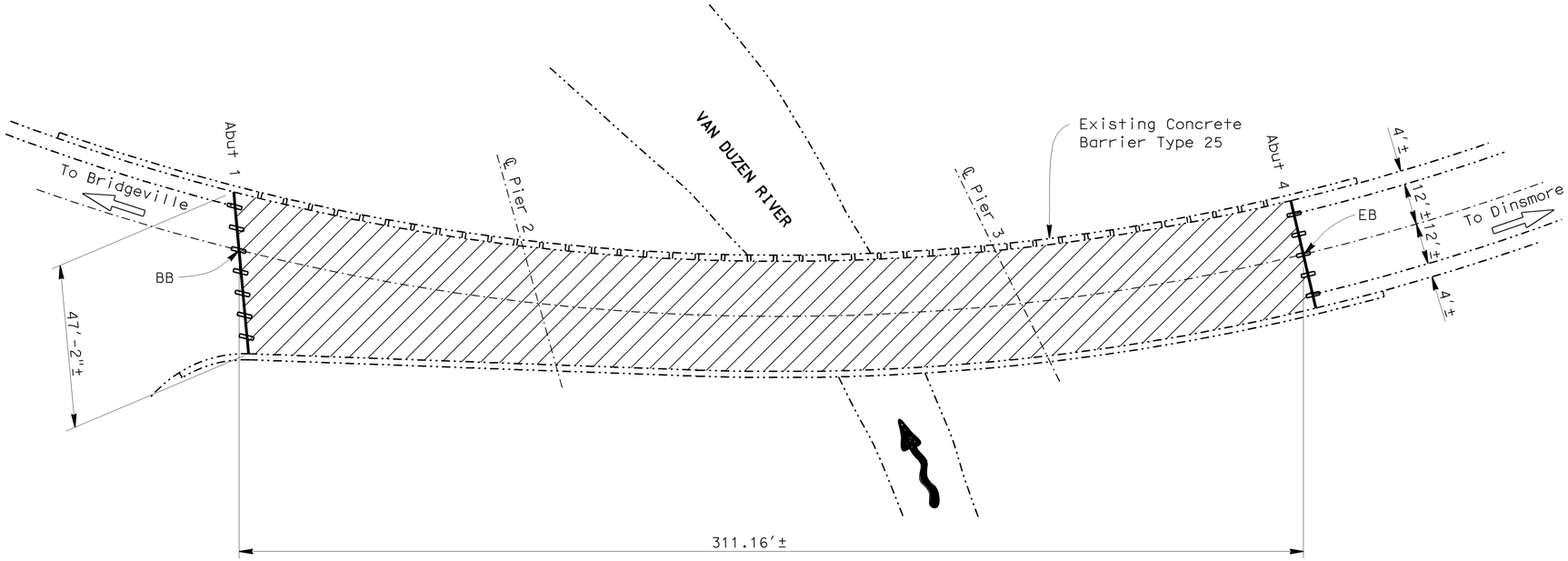

VAN DUZEN RIVER

BR. NO. 04-0129, RTE 36, HUM, PM R40.45
1"=20'

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	JOINT SEAL DETAILS NO. 1
4	JOINT SEAL DETAILS NO. 2

VAN DUZEN RIVER BR. NO. 04-0129

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	10,870	SQFT
REMOVE UNSOUND CONCRETE	54	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	10,870	SQFT
CLEAN EXPANSION JOINT	80	LF
RAPID SETTING CONCRETE (PATCH)	54	CF
FURNISH POLYESTER CONCRETE OVERLAY	3,315	CF
PLACE POLYESTER CONCRETE OVERLAY	10,870	SQFT
SNOWPLOW DEFLECTOR	12	EA
JOINT SEAL (MR 1½")	80	LF

Notes:

Indicates existing structure.

Indicates location of joint seal removal and placement of new joint seal and install snow plow deflectors. For details, see JOINT SEAL DETAILS NO. 1 sheet.

Indicates location of remove 4"± depth of existing AC and Bituthene-Heavy Duty membrane, prepare existing concrete deck, furnish and place new 3"± depth polyester concrete overlay. Prior to placing concrete overlay, remove unsound concrete and patch deck. For details, see JOINT SEAL DETAILS NO. 2 sheet.

Indicates exit 12"x4" scupper drains at 7'-6"± spacing. Conform polyester concrete overlay to existing scupper opening.

STANDARD PLANS DATED MAY 2006

SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

Standard Plan Sheet No.

Detail No.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

Michael J. Lee 02-01-11
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Brian Nguyen	Hubert Dang
DETAILS	Trung Lam	Hubert Dang
QUANTITIES	Brian Nguyen	Hubert Dang
LAYOUT	Trung Lam	Brian Nguyen
SPECIFICATIONS	Iwa Y Huang	PLANS AND SPECIFICATIONS COMPARED Iwa Y Huang

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 01
EA 496801

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 36, 299 BRIDGES
GENERAL PLAN NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 6-22-10 8-24-10 8-30-10 11-22-10 12-14-10 12-21-10 12-30-10 01-04-11 02-01-11

SHEET 1 OF 4

FILE => 01-496801_01_gp1.dgn

USERNAME => TLam DATE PLOTTED => 23-FEB-2011 TIME PLOTTED => 14:12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	36,299	R42.53,34.56	7	9

REGISTERED CIVIL ENGINEER 02-01-11 DATE

01-31-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN P. NGUYEN No. 68270 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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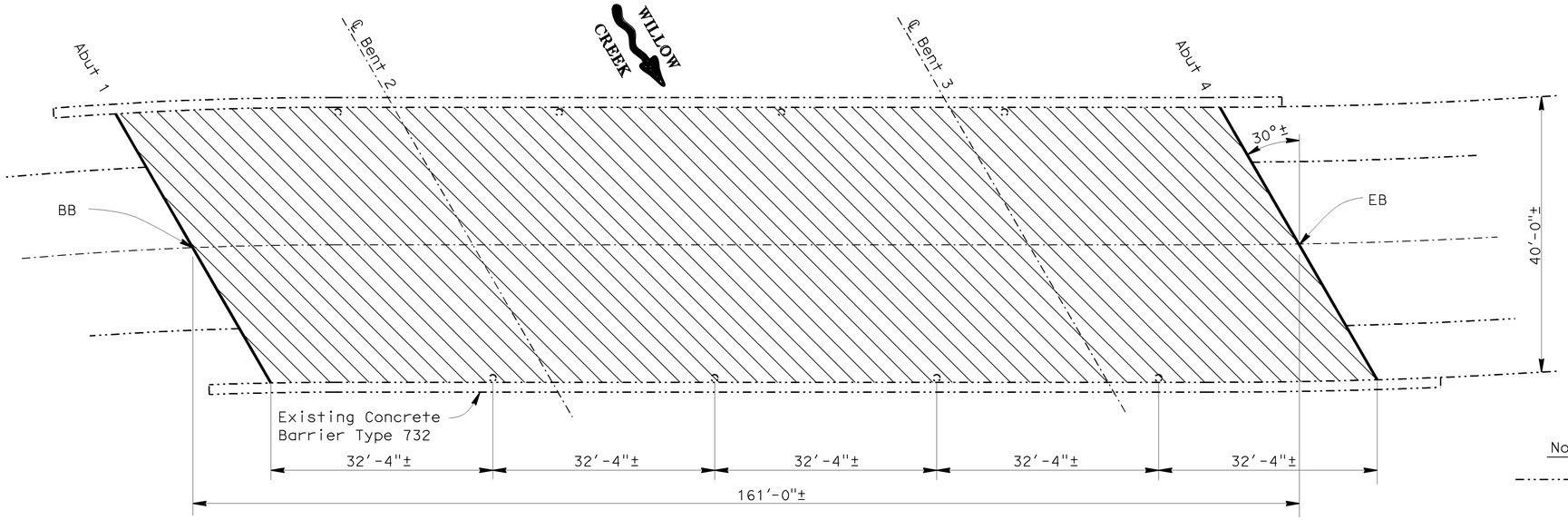


WILLOW CREEK

BR. NO. 04-0162, RTE 299, HUM, PM 34.56
1"=10'

WILLOW CREEK BR. NO. 04-0162

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	6,440	SQFT
REMOVE UNSOUND CONCRETE	32	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,440	SQFT
CLEAN EXPANSION JOINT	93	LF
RAPID SETTING CONCRETE (PATCH)	32	CF
FURNISH POLYESTER CONCRETE OVERLAY	644	CF
PLACE POLYESTER CONCRETE OVERLAY	6,440	SQFT
JOINT SEAL (MR 1")	93	LF

Notes:

Indicates existing structure.

Indicates location of joint seals removal and placement of new joint seals.

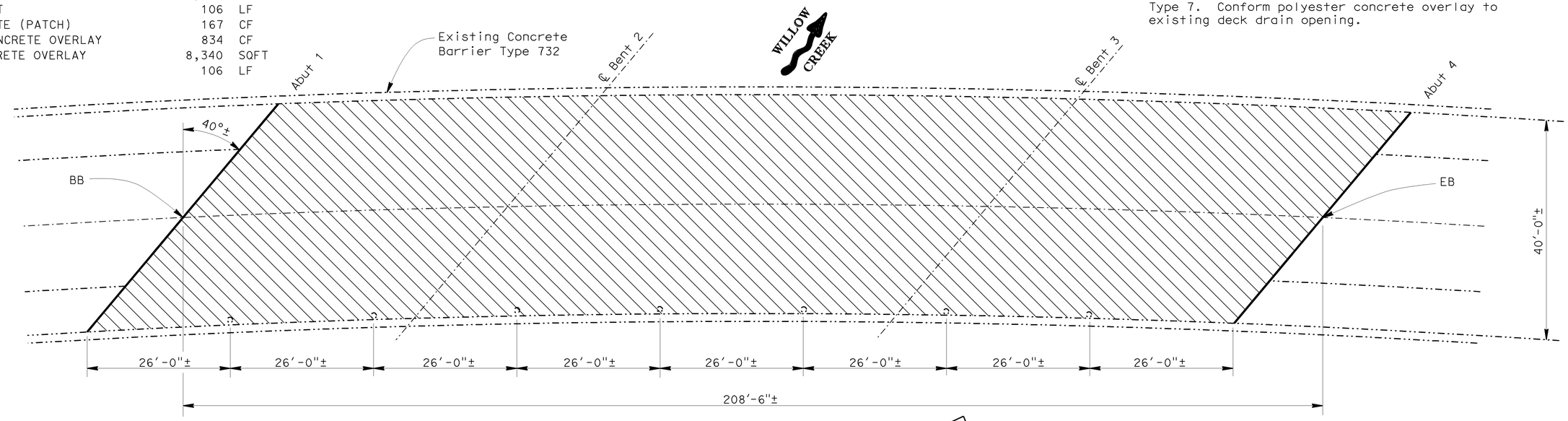
Indicates location of remove 1"± depth of existing AC, prepare existing concrete deck, furnish and place new 1"± depth polyester concrete overlay. Prior to placing concrete overlay, remove unsound concrete and patch deck. For details, see JOINT SEAL DETAILS NO. 2 sheet.

Indicates location of exit deck drains, 6" dia Type 7. Conform polyester concrete overlay to existing deck drain opening.

WILLOW CREEK BR. NO. 04-0163

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	8,340	SQFT
REMOVE UNSOUND CONCRETE	167	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,340	SQFT
CLEAN EXPANSION JOINT	106	LF
RAPID SETTING CONCRETE (PATCH)	167	CF
FURNISH POLYESTER CONCRETE OVERLAY	834	CF
PLACE POLYESTER CONCRETE OVERLAY	8,340	SQFT
JOINT SEAL (MR 1")	106	LF



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

WILLOW CREEK

BR. NO. 04-0163, RTE 299, HUM, PM 35.60
1"=10'

Michael J. Lee 02-01-11 DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Hubert Dang	LAYOUT	BY Trung Lam	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
	DETAILS	BY Trung Lam	CHECKED Hubert Dang	SPECIFICATIONS	BY Iwa Y Huang	PLANS AND SPECIFICATIONS COMPARED Iwa Y Huang	
	QUANTITIES	BY Brian Nguyen	CHECKED Hubert Dang				

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 36, 299 BRIDGES

GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01
EA 496801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 8-24-10 8-30-10 11-22-10 12-21-10 12-30-10 01-04-11 02-01-11

SHEET 2 OF 4

FILE => 01-496801_02_gp2.dgn

USERNAME => TLom DATE PLOTTED => 23-FEB-2011 TIME PLOTTED => 14:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	36,299	R42.53,34.56	8	9

REGISTERED CIVIL ENGINEER 02-01-11 DATE

01-31-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN P. NGUYEN No. 68270 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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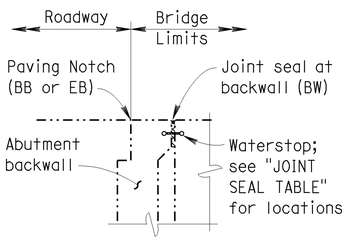
JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (inches) △	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (inches)	ASPHALTIC PLUG	APPROXIMATE DEPTH OF JOINT SPALLS (inches)✳	APPROXIMATE WIDTH OF JOINT SPALLS (inches)✳	APPROXIMATE LENGTH OF JOINT SPALLS (FEET)✳
VAN DUZEN RIVER	04-0129	Abut 1	BW	1½	47.5	No	12.0	No	3.0	6.0	5.0
		Abut 4	BW	1½	32.5	No	12.0	No	3.0	6.0	5.0
WILLOW CREEK	04-0162	Abut 1	BW	1	46.5	No	12.0	No	3.0	6.0	5.0
		Abut 4	BW	1	46.5	No	12.0	No	3.0	6.0	5.0
WILLOW CREEK	04-0163	Abut 1	BW	1	53.0	No	12.0	No	3.0	6.0	5.0
		Abut 4	BW	1	53.0	No	12.0	No	3.0	6.0	5.0

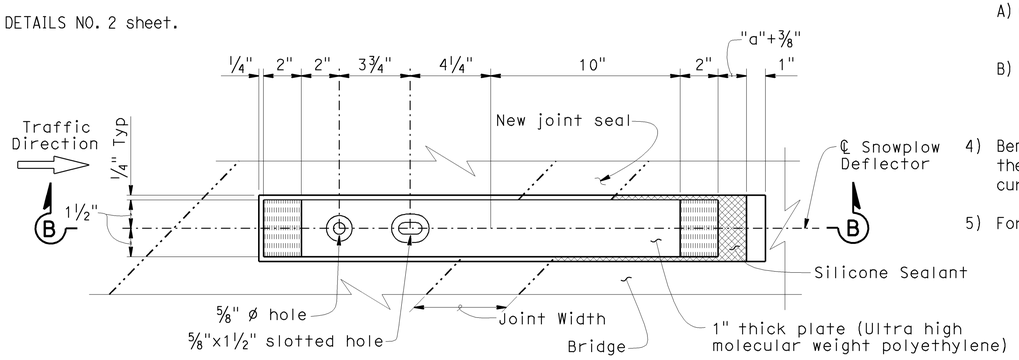
LEGEND:
BW = Backwall
PN = Paving Notch
✳ = Location to be determined by the Engineer. See "DECK & JOINT REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.
△ = Use Type B Joint Seal only



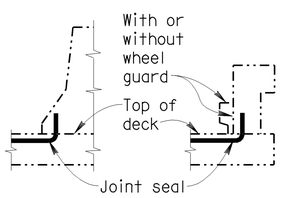
ABUTMENT WITH BACKWALL

JOINT SEAL LOCATION

NO SCALE



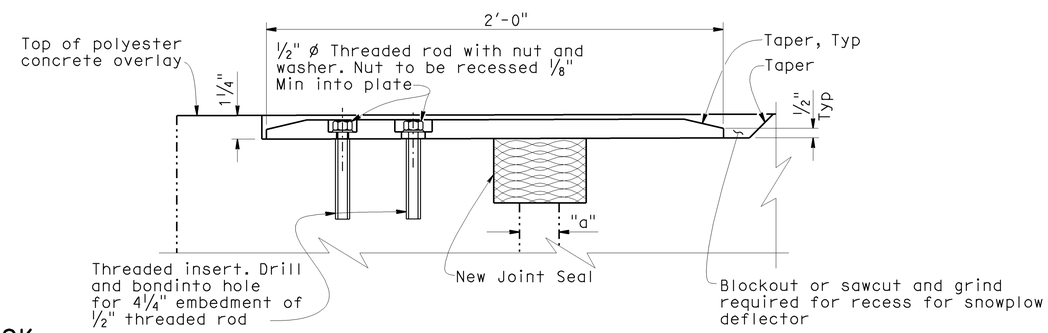
DETAIL A



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Details shown for illustration purposes only. For use only where deck joint matches the barrier rail joint.
NO SCALE



SECTION B-B

SNOW PLOW DEFLECTOR

3"=1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

The following note applies to JOINT SEAL TYPE A:

Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see RSP B6-21

The following notes apply to JOINT SEAL TYPE B:

1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.

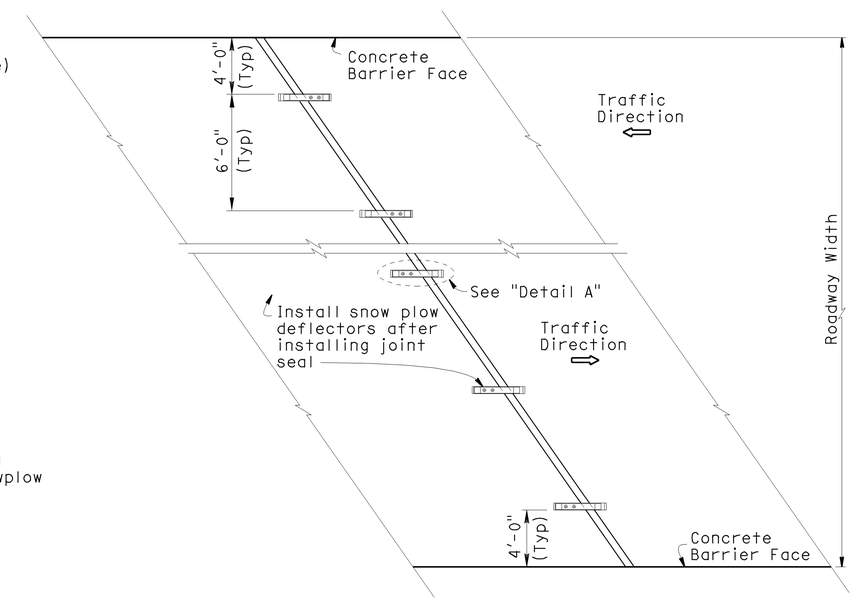
3) W1 shall be the smaller of the values determined as follows:

   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.

   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3 psi.

4) Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

5) For details not shown see RSP B6-21



SNOW PLOW DEFLECTOR PLAN

NO SCALE

DESIGN	BY Brian Nguyen	CHECKED Hubert Dang	
DETAILS	BY Trung Lam	CHECKED Hubert Dang	
QUANTITIES	BY Brian Nguyen	CHECKED Hubert Dang	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 01
EA 496801

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 36, 299 BRIDGES
JOINT SEAL DETAILS NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 8-24-10 8-30-10 11-16-10 12-14-10 02-01-11

SHEET 3 OF 4

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USERNAME => TLom DATE PLOTTED => 23-FEB-2011 TIME PLOTTED => 14:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	36,299	R42.53,34.56	9	9

REGISTERED CIVIL ENGINEER 02-01-11 DATE

01-31-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN P. NGUYEN No. 68270 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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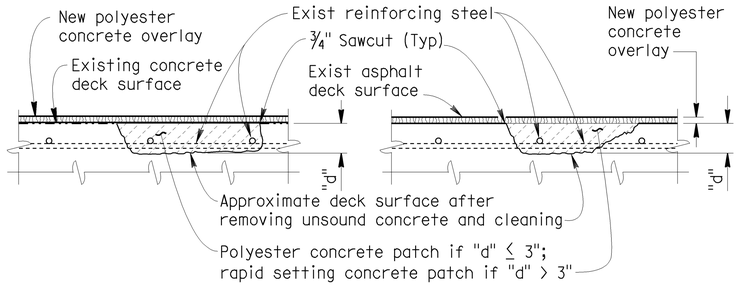
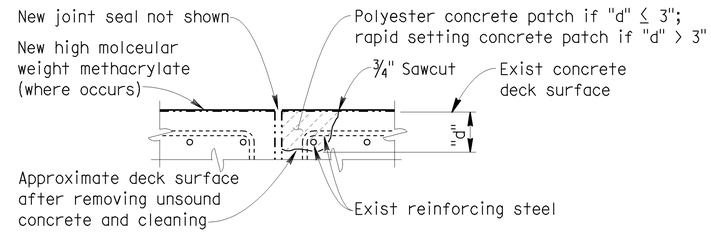


DECK REPAIR



JOINT REPAIR

DECK & JOINT REPAIR DETAIL

Reinforcement may be encountered during deck concrete removal and is to remain undamaged.
NO SCALE

NOTES:

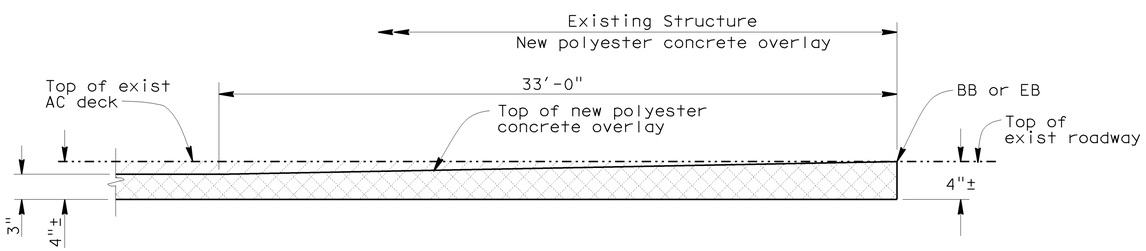
Indicates limits of remove existing unsound concrete and place new rapid set concrete patch. Retain existing reinforcing steel except where shown otherwise.

Indicates existing AC.

Indicates new polyester concrete overlay.

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN:	BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)
DEAD LOAD:	Includes 35 psf for future wearing surface.
LIVE LOADING:	HS20-44 and alternative permit design load.
REINFORCED CONCRETE:	fy = 60,000 psi f'c = 3,600 psi n = 9



DECK SURFACE CONFORMING DETAIL

NO SCALE
BRIDGE NO. 04-0129

DECK REPAIR TABLE
REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
VAN DUZEN RIVER	04-0129	2	3
WILLOW CREEK	04-0162	2	3
WILLOW CREEK	04-0163	8	3

Locations to be determined by the Engineer.
For details see "DECK & JOINT REPAIR DETAIL".

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY Brian Nguyen	CHECKED Hubert Dang	
DETAILS	BY Trung Lam	CHECKED Hubert Dang	
QUANTITIES	BY Brian Nguyen	CHECKED Hubert Dang	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 36, 299 BRIDGES
JOINT SEAL DETAILS NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01
EA 496801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 8-24-10 8-30-10 11-16-10 12-21-10 02-01-11

SHEET 4 OF 4

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