ACSTP-P255(007)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	255	0.2/1.8	1	12

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
3	CONSTRUCTION AREA SIGNS
4-8	NEW OR REVISED STANDARD PLANS

STRUCTURE PLANS

9-11	GENERAL PLANS
12	JOINT DETAILS

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

STATE OF CALIFORNIA

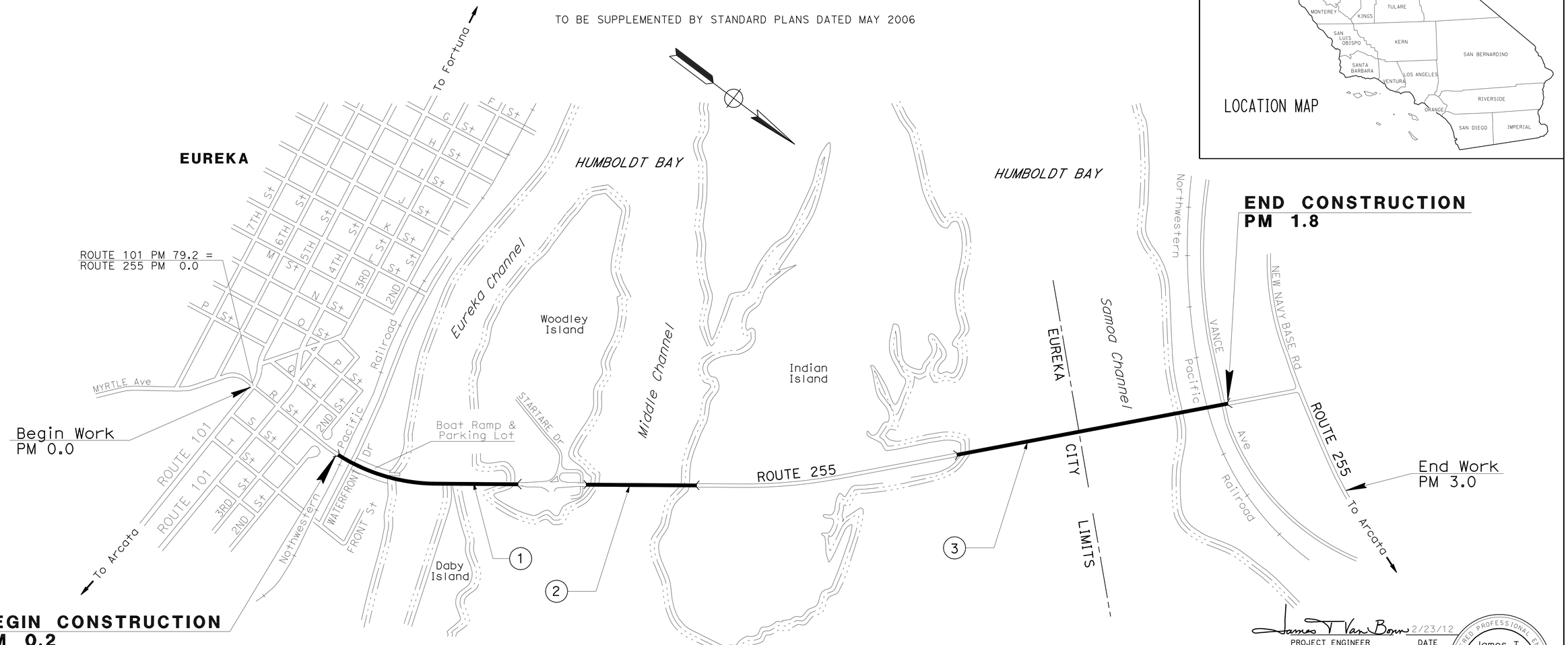
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN HUMBOLDT COUNTY IN AND NEAR EUREKA AT VARIOUS LOCATIONS FROM EUREKA CHANNEL BRIDGE TO SAMOA CHANNEL BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



LOCATIONS OF CONSTRUCTION				
LOCATION	ROUTE	PM	BRIDGE NAME	BRIDGE No.
1	255	0.20	EUREKA CHANNEL	04-0230
2	255	0.67	MIDDLE CHANNEL	04-0299
3	255	1.37	SAMOA CHANNEL	04-0228

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

NO SCALE

James T. Van Bonn 2/23/12
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
James T. Van Bonn
No. 70723
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

February 23, 2012
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.

PROJECT MANAGER: Royal B. McCarthy
DESIGN ENGINEER: Royal B. McCarthy

CONTRACT No.	01-0A3804
PROJECT ID	0100020313

LAST REVISION 00-00-00
DATE PLOTTED => 27-MAR-2012
TIME PLOTTED => 14:18

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s121671 DGN FILE => 10a380ab001.dgn | UNIT 0052 | PROJECT NUMBER & PHASE 01000203131

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	255	0.2/1.8	2	12

James T Van Bonn 2/23/12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

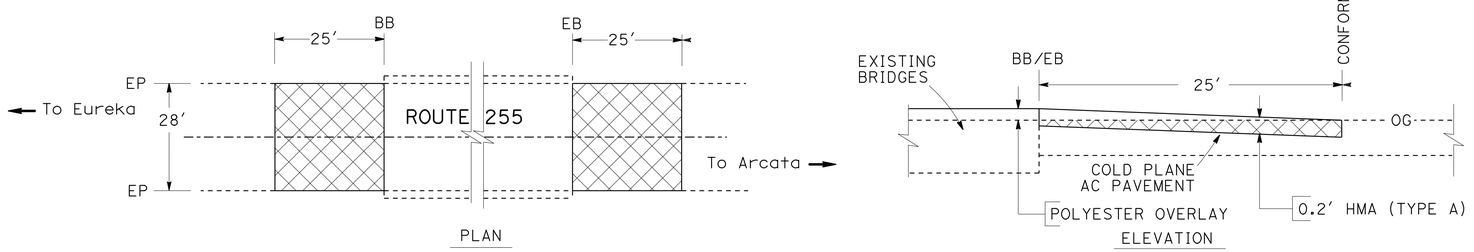
REGISTERED PROFESSIONAL ENGINEER — James T. Van Bonn — No. 70723 — Exp 6-30-13 — CIVIL — STATE OF CALIFORNIA

NOTES

1. MATCH FINISH GRADE AND LINE OF STRUCTURE.

LEGEND

COLD PLANE AC PAVEMENT



LOCATION 1, 2 & 3

ROADWAY

LOCATION (PM)			WIDTH	COLD PLANE AC PAVEMENT	HMA (TYPE A)	TACK COAT
No.	FROM	TO	FT	SQYD	TON	
1	0.20	0.55	28	155.4	21.2	0.08
2	0.67	0.88	28	155.4	21.2	0.08
3	1.37	1.84	28	155.4	21.2	0.08
			TOTAL	466.2	63.6	0.24

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM)			DETAIL No.	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE						PAVEMENT MARKERS		
					REMOVE						(N)	RETROREFLECTIVE	
					HAZARDOUS WASTE YELLOW	YELLOW	WHITE	4" SOLID YELLOW	4" SOLID WHITE	4" BROKEN (36-12) YELLOW	REMOVE	TYPE D	TYPE H
No.	FROM	TO			LF						EA		
1	0.20	0.55	27B	3734			3634		3734				
			22	1867		3634		3734			160	160	
2	0.67	0.88	27B	2264			2164		2264				
			22	659	1268			1318			58	58	
			19L	473	560			473		473	34	12	22
3	1.37	1.84	27B	5114			5014		5114				
			19L	837	1015			837		837	52	18	34
			22	126	252			252			12	12	
			19R	816	1020			816		816	53	18	35
			6	778	189					778	18	18	
SUBTOTAL					4304	3634	10812	7430	11112			296	91
TOTAL					4304	14446		18542		2904	387	387	

NOTE : WHEN DETAIL 19 IS SHOWN ON THE PLANS, THE SOLID BARRIER SHALL BE PLACED ON THE SIDE DESIGNATED (R=RIGHT, L=LEFT) AS POSTMILES INCREASE.

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

THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	ORIENTATION	TYPE/LEGEND	SQFT
0.27	FSBT	AHEAD	31
0.28	FSBT	SIGNAL	32
		TOTAL	63

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	ORIENTATION	TYPE/LEGEND	SQFT
0.27	FSBT	AHEAD	31
0.28	FSBT	SIGNAL	32
		TOTAL	63

CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
C-1

NO SCALE

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: Johnathon Jackson
CHECKED BY: James T. Van Bonn
FUNCTIONAL SUPERVISOR: Royal B. McCarthy
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 27-MAR-2012
TIME PLOTTED => 14:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	255	0.2/1.8	3	12

James T Van Bonn 2/23/12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James T. Van Bonn
No. 70723
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.

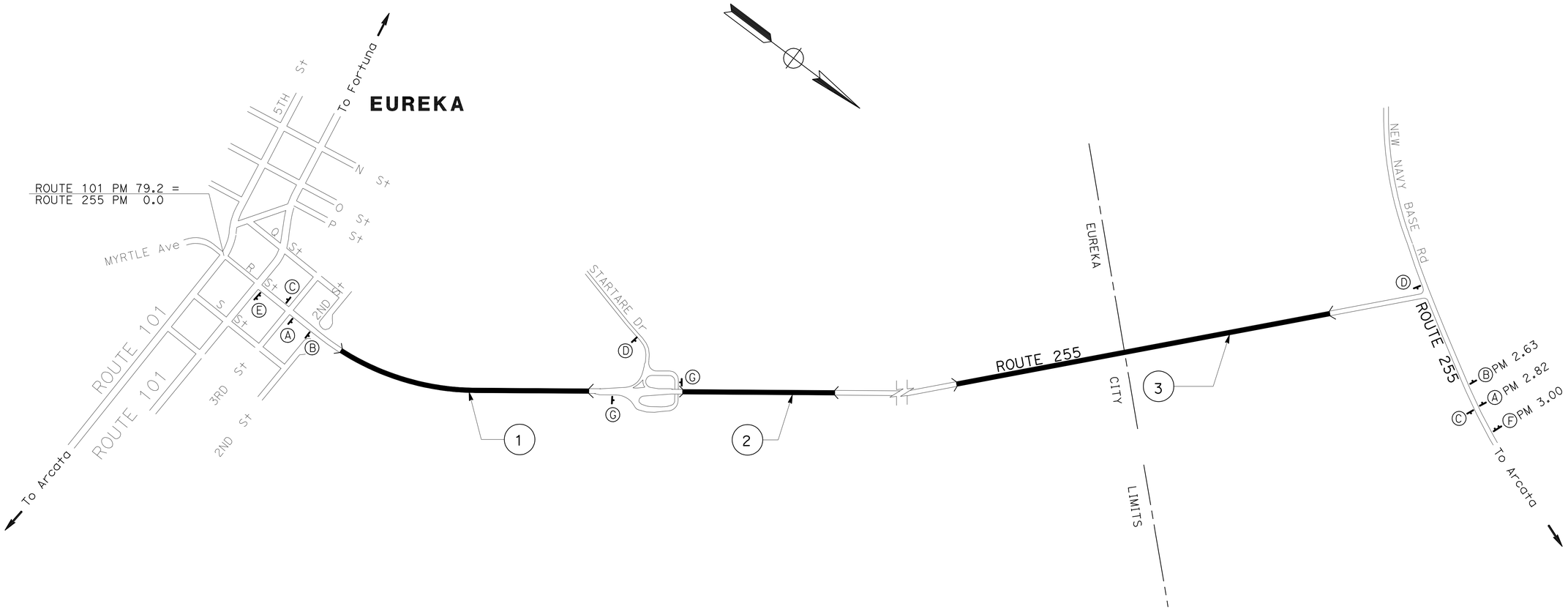
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NO.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NO OF POSTS AND SIZE	NO.OF SIGNS
Ⓐ	W20-1	ROAD WORK AHEAD	48"X48"	1-6"x6"	2
	C23B (CA)	BRIDGE REPAIR	60"X18"		
Ⓑ	W11-1	BICYCLE SYMBOL	36"x36"	1-4"x6"	2
	W16-1	SHARE THE ROAD	24"x30"		
Ⓒ	G20-2	END ROAD WORK	36"X18"	1-4"x4"	2
Ⓓ	W20-1	ROAD WORK AHEAD	36"X36"	1-4"x6"	2
Ⓔ	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72"x36"	2-4"x6"	1
Ⓕ	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144"x60"	2-6"x8"	1
Ⓖ	W51	SLOW TRUCKS	48"X48"	1-6"x6"	2

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

C23B (CA)
6" CAPS
60" X 18"
BLACK/ORANGE

BRIDGE REPAIR



CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: Royal B. McCarthy
CALCULATED-DESIGNED BY: Johnathon Jackson
CHECKED BY: James T. Van Bonn
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 27-MAR-2012
TIME PLOTTED => 14:18
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s121671
DGN FILE => 10a380pa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0052
PROJECT NUMBER & PHASE 01000203131

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	255	0.2/1.8	4	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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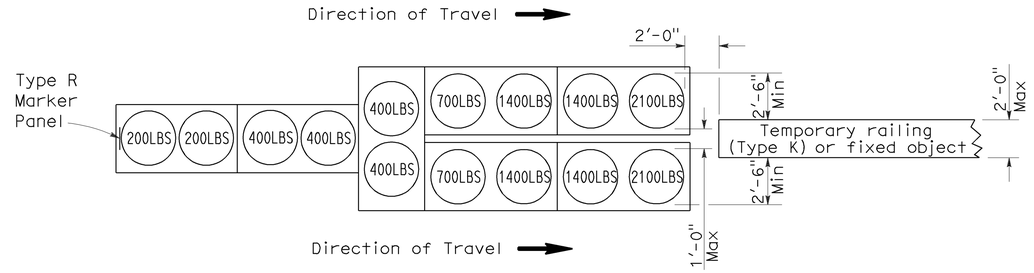
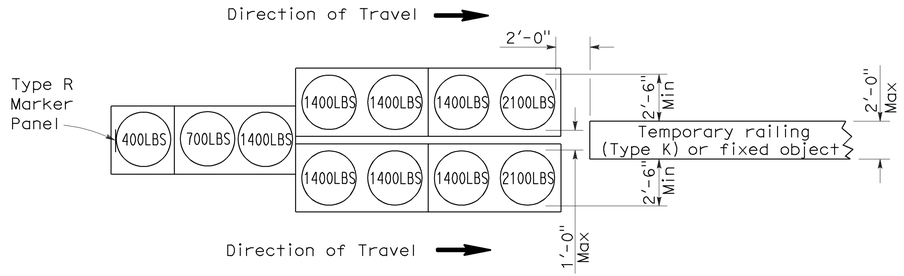
To accompany plans dated February 23, 2012



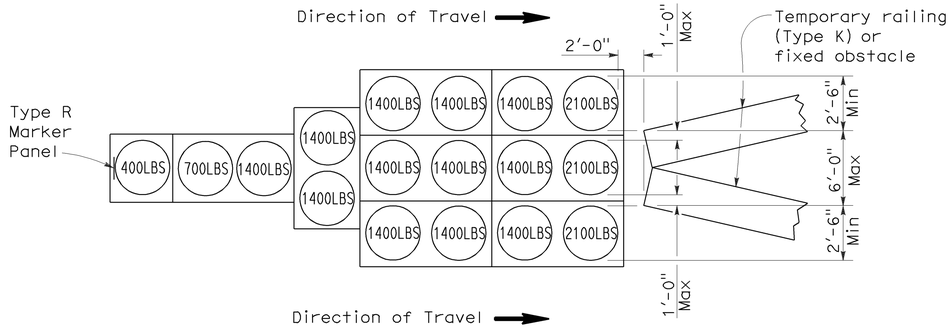
ARRAY 'TU14'

Approach speed 45 mph or more



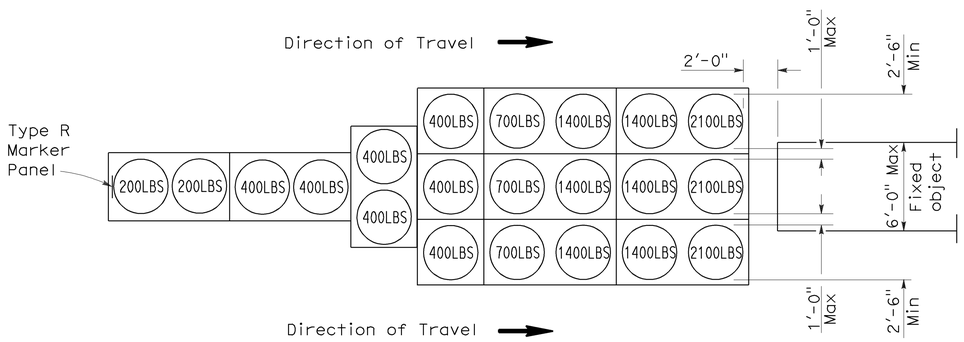
ARRAY 'TU11'

Approach speed less than 45 mph



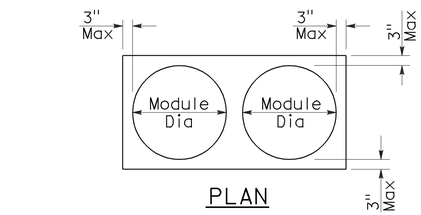
ARRAY 'TU17'

Approach speed less than 45 mph

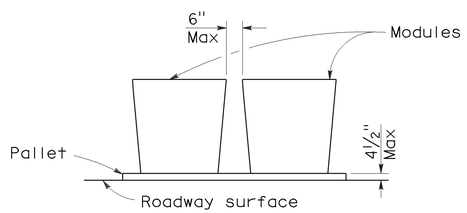


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	255	0.2/1.8	5	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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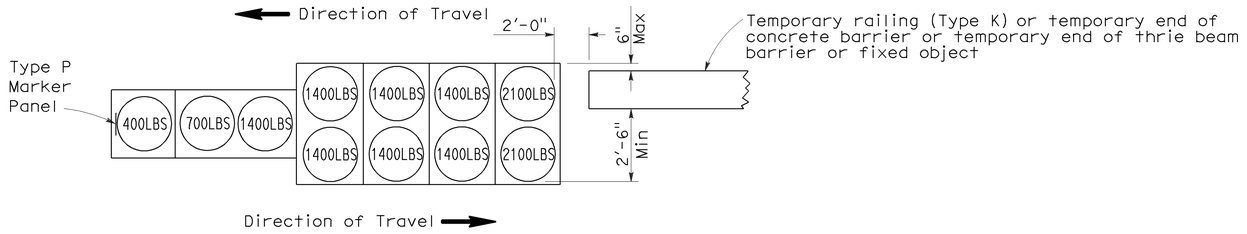
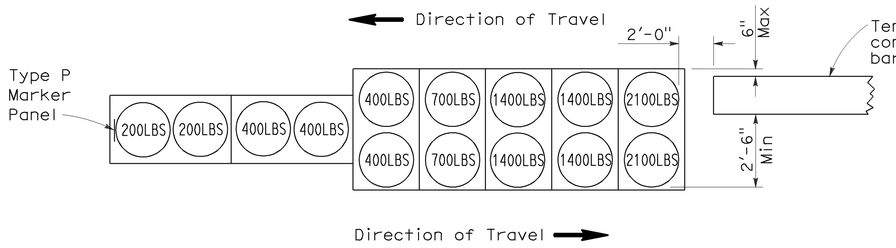
To accompany plans dated February 23, 2012



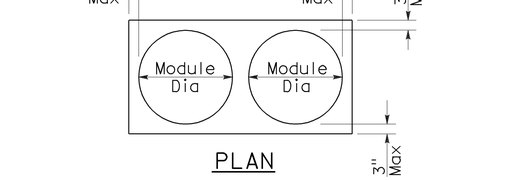
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



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	255	0.2/1.8	6	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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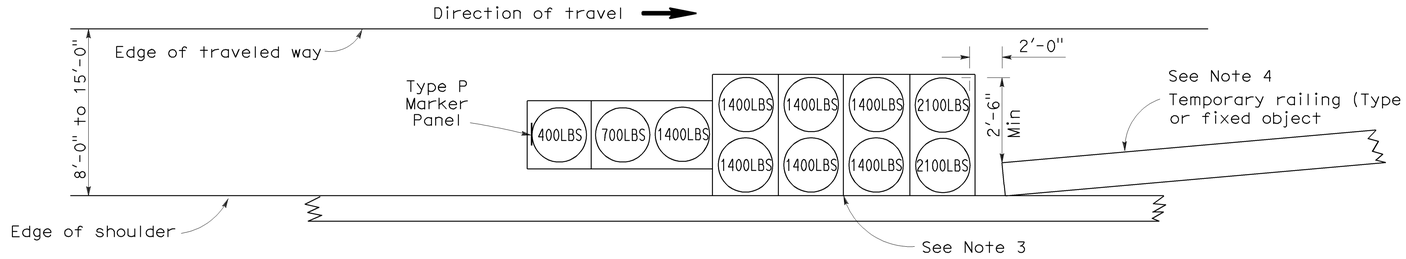
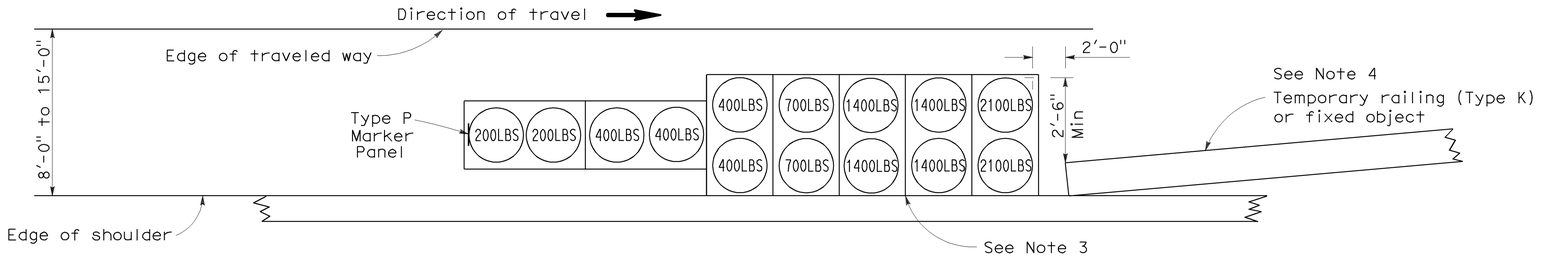
To accompany plans dated February 23, 2012



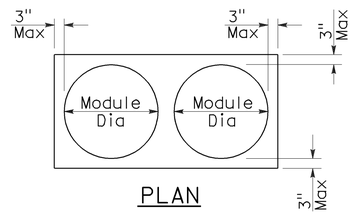
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

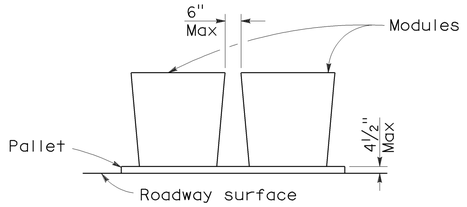


ARRAY 'TS14'

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	Hum	255	0.2/1.8	7	12

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

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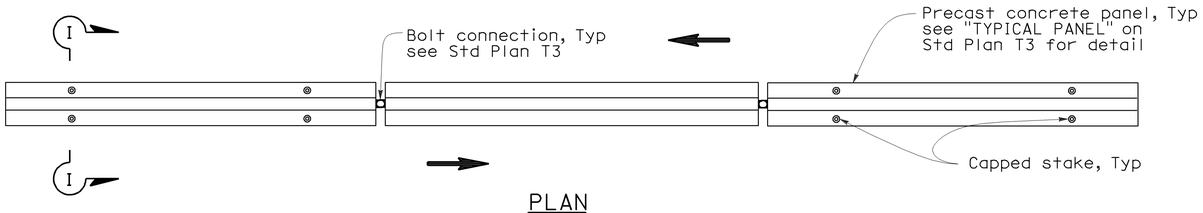
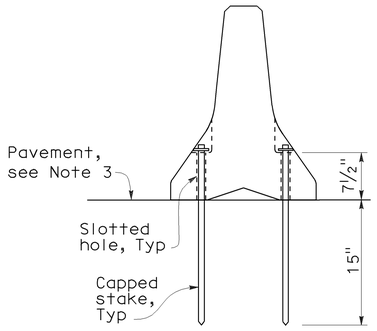
To accompany plans dated February 23, 2012



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

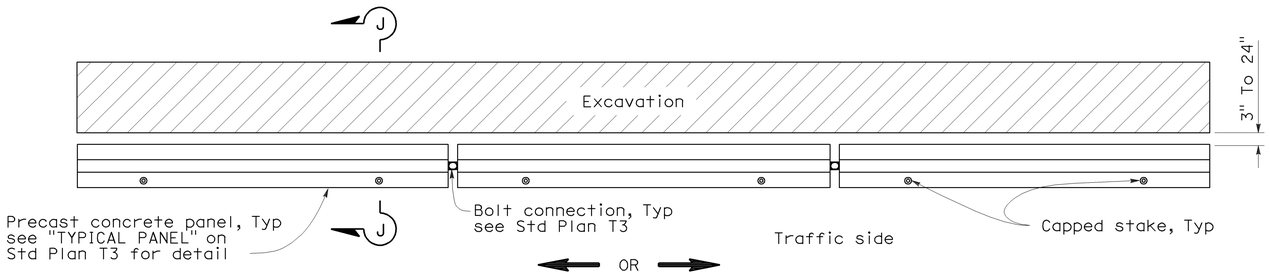
See Note 1



SECTION I-I

NOTES:

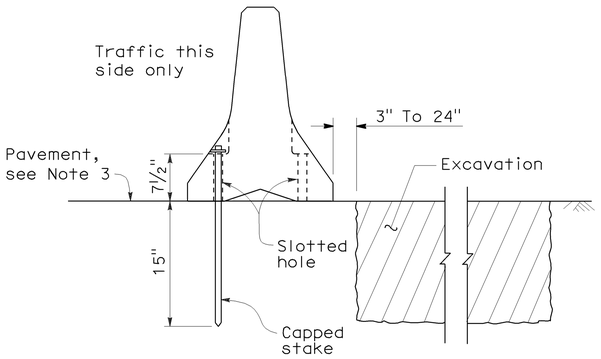
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of 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 ⟹.



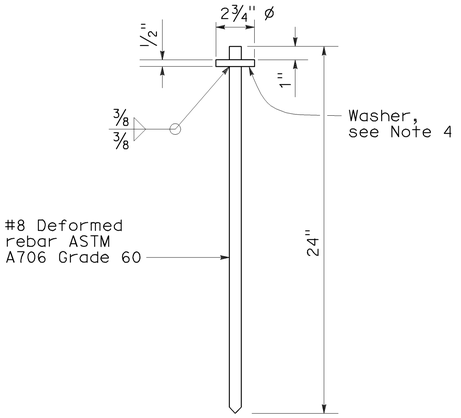
PLAN

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

8-31-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	255	0.2/1.8	8	12

REGISTERED CIVIL ENGINEER

Efthymios Delis
No. C51434
Exp. 6-30-08
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 5, 2007
PLANS APPROVAL DATE

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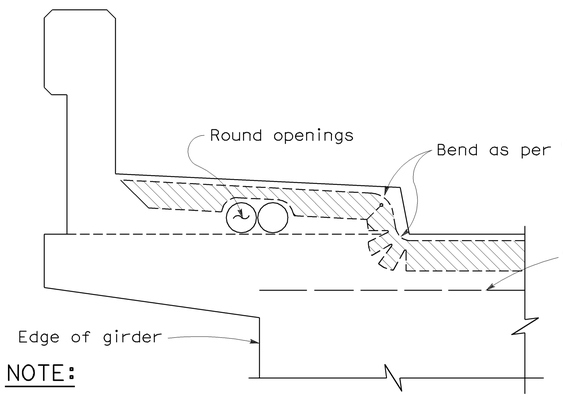
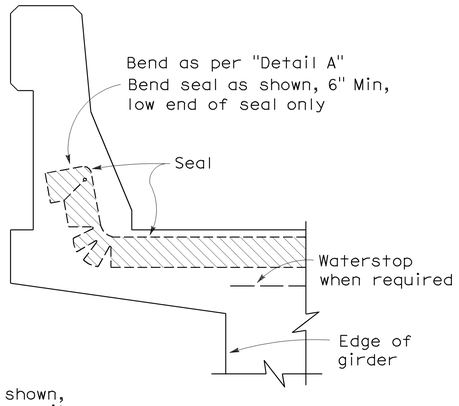
To accompany plans dated February 23, 2012



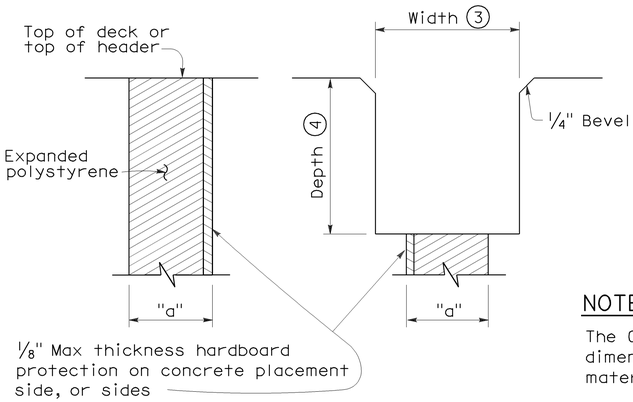
NOTE:

Type "B" seal shown. Type "A" seals to comform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



CONCRETE BARRIER

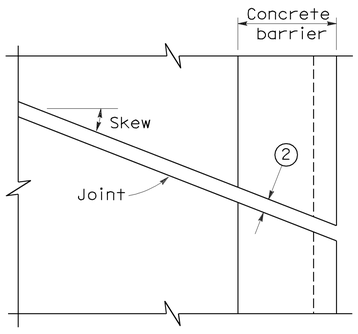


FORMING DETAIL SAWCUT DETAIL

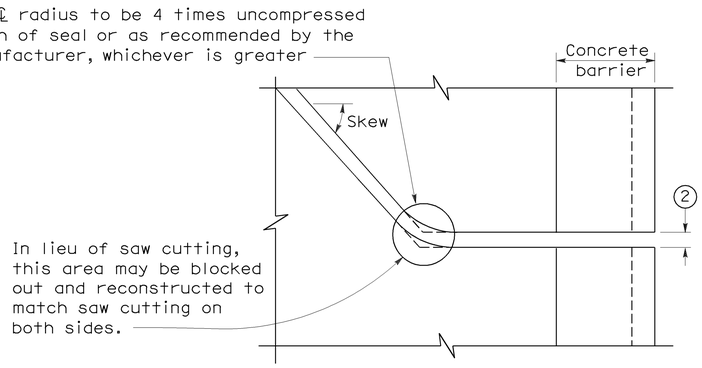
NOTE:

The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

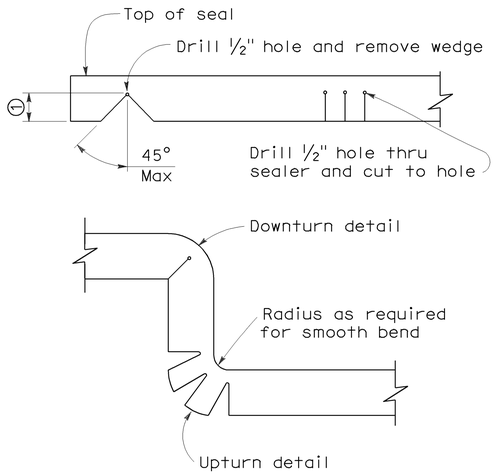
JOINT SEALS DETAILS



PLAN OF JOINT (SKEW ≤ 20°)



PLAN OF JOINT (SKEW > 20°)



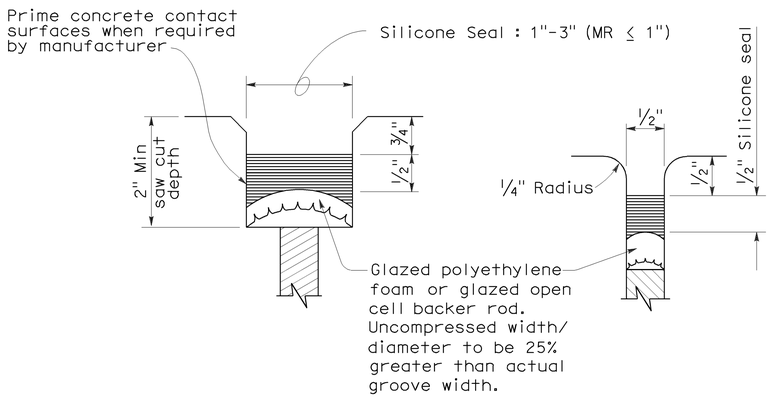
DETAIL A

NOTES:

1. Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. Depth of sawcut: Type A - Depth to be 2" minimum.
   Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	All except CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	All except CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	All except CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

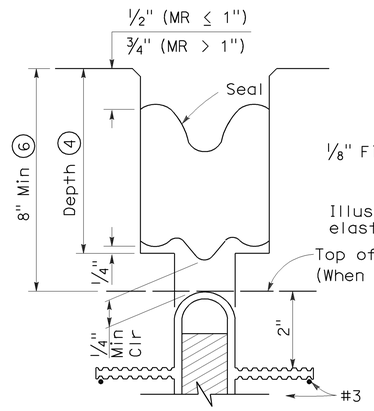


TYPE A SEAL

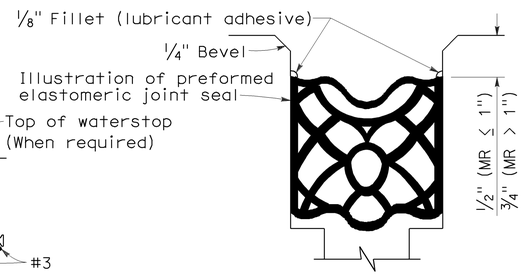
Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL
IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL

Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

5-8-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	255	0.2/1.8	9	12

Peter B. Kang 2-23-12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PETER B. KANG
No. C 70336
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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

NOTES: (APPLY TO ALL SHEETS)

-·-·-·- Indicates existing.

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

STANDARD PLANS DATED MAY 2006

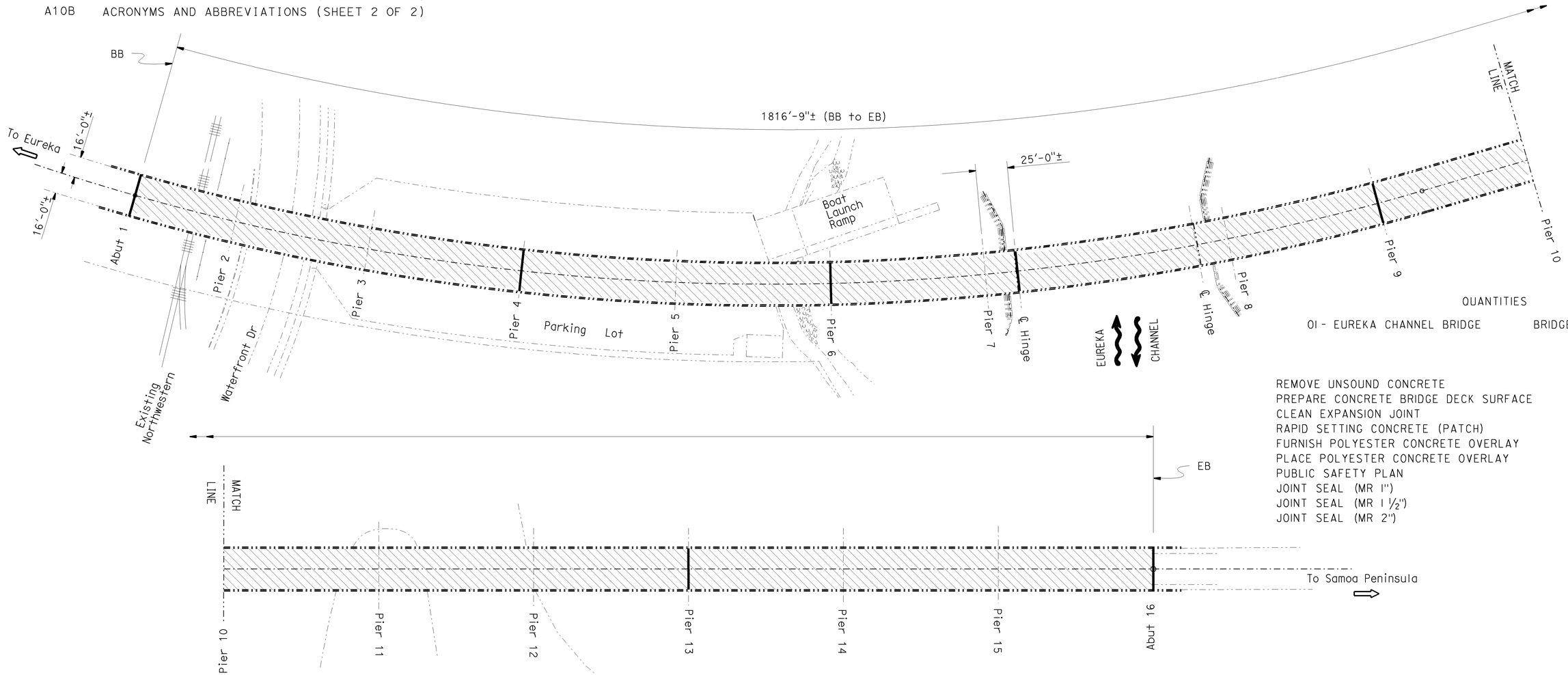
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of prepare bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".

Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

INDEX TO PLANS



QUANTITIES

01 - EUREKA CHANNEL BRIDGE BRIDGE NO 04-0230

REMOVE UNSOUND CONCRETE	435	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	58,136	SQFT
CLEAN EXPANSION JOINT	231	LF
RAPID SETTING CONCRETE (PATCH)	435	CF
FURNISH POLYESTER CONCRETE OVERLAY	4,360	CF
PLACE POLYESTER CONCRETE OVERLAY	58,136	SQFT
PUBLIC SAFETY PLAN	LUMP	SUM
JOINT SEAL (MR 1")	132	LF
JOINT SEAL (MR 1 ½")	33	LF
JOINT SEAL (MR 2")	66	LF

EUREKA CHANNEL

Br No. 04-0230, PM 0.2
1" = 40'

Matthew Kish 2-23-12
DESIGN ENGINEER

DESIGN	BY Peter Kang	CHECKED Quang Vo	LAYOUT	BY David Kish	CHECKED Quang Vo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY David Kish	CHECKED Quang Vo	SPECIFICATIONS	BY Mahe Jarvis	PLANS AND SPECIFICATIONS COMPARED Mahe Jarvis		
QUANTITIES	BY Peter Kang	CHECKED Quang Vo					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01
EA 0A3801

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTES 255 BRIDGES
GENERAL PLAN NO. 1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 3-10-11 | 3-21-11 | 3-22-11 | 7-25-11

SHEET 1 OF 4

FILE => 01-0a3801_01gp.dgn

USERNAME => s103618 DATE PLOTTED => 27-FEB-2012 TIME PLOTTED => 10:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	255	0.2/1.8	10	12

Peter B. Kang 2-23-12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PETER B. KANG
No. C 70336
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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NOTES: (APPLY TO THIS SHEET ONLY)

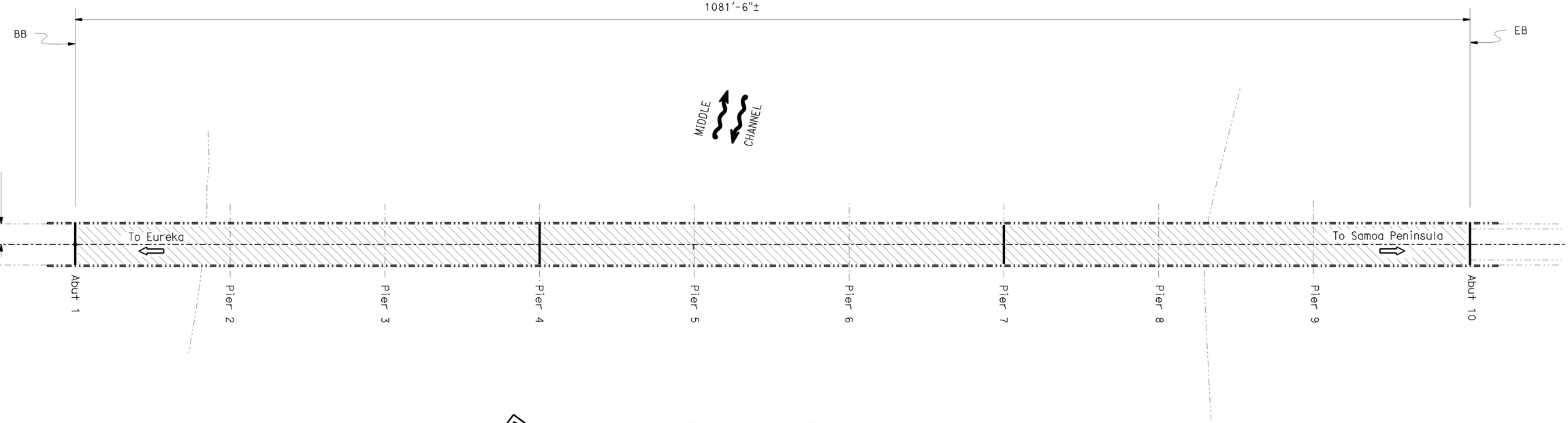
Indicates limits of prepare bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".

Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

QUANTITIES

02 - MIDDLE CHANNEL BRIDGE BRIDGE NO 04-0229

REMOVE UNSOUND CONCRETE	261	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	34,608	SQFT
CLEAN EXPANSION JOINT	132	LF
RAPID SETTING CONCRETE (PATCH)	261	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,596	CF
PLACE POLYESTER CONCRETE OVERLAY	34,608	SQFT
JOINT SEAL (MR 1")	66	LF
JOINT SEAL (MR 2")	66	LF



MIDDLE CHANNEL

Br No. 04-0229, PM 0.67
1" = 40'

Matthew De Lee 2-23-12 DESIGN ENGINEER	DESIGN	BY Peter Kang	CHECKED Quang Vo	LAYOUT	BY David Kish	CHECKED Quang Vo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS
	DETAILS	BY David Kish	CHECKED Quang Vo			PLANS AND SPECIFICATIONS COMPARED Mahe Jarvis			POST MILE VARIES
	QUANTITIES	BY Peter Kang	CHECKED Quang Vo	SPECIFICATIONS	BY Mahe Jarvis			CU 01 EA 0A3801	

ROUTES 255 BRIDGES

GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
3-15-11										2	4

FILE => 01-0a3801_02gp.dgn

USERNAME => s109618 DATE PLOTTED => 27-FEB-2012 TIME PLOTTED => 10:44

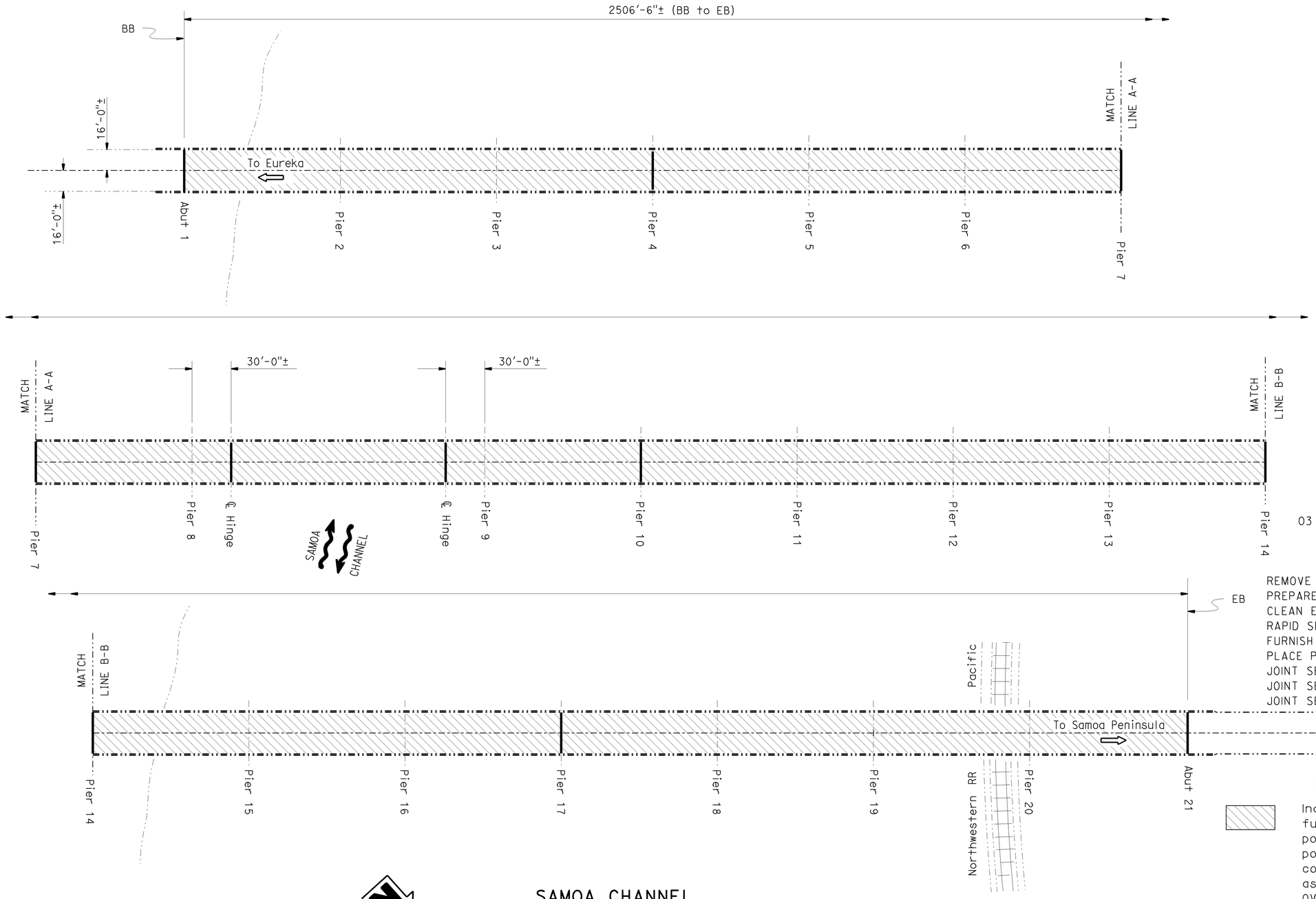
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	255	0.2/1.8	11	12

Peter B. Kang 2-23-12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PETER B. KANG
No. C 70336
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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



SAMOA CHANNEL

Br No. 04-0228, PM 1.37
1" = 40'

QUANTITIES

03 - SAMOA CHANNEL BRIDGE BRIDGE NO 04-0228

REMOVE UNSOUND CONCRETE	603	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	80,208	SQFT
CLEAN EXPANSION JOINT	297	LF
RAPID SETTING CONCRETE (PATCH)	603	CF
FURNISH POLYESTER CONCRETE OVERLAY	6,016	CF
PLACE POLYESTER CONCRETE OVERLAY	80,208	SQFT
JOINT SEAL (MR 1")	99	LF
JOINT SEAL (MR 1 ½")	99	LF
JOINT SEAL (MR 2")	99	LF

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of prepare bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".

Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

Matthew W. Lee 2-23-12
DESIGN ENGINEER

DESIGN	BY Peter Kang	CHECKED Quang Vo	LAYOUT	BY David Kish	CHECKED Quang Vo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY David Kish	CHECKED Quang Vo					
QUANTITIES	BY Peter Kang	CHECKED Quang Vo	SPECIFICATIONS	BY Mahe Jarvis	PLANS AND SPECIFICATIONS COMPARED Mahe Jarvis		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01
EA 0A3801

BRIDGE NO.	ROUTES 255 BRIDGES
VARIOUS	GENERAL PLAN NO. 3
POST MILE	
VARIES	

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 3-15-11

REVISION DATES	SHEET	OF
	3	4

FILE => 01-0a3801_03gp.dgn

USERNAME => s109618 DATE PLOTTED => 27-FEB-2012 TIME PLOTTED => 10:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Hum	255	0.2/1.8	12	12

Peter B. Kang 2-23-12
REGISTERED CIVIL ENGINEER DATE

February 23, 2012
PLANS APPROVAL DATE

PETER B. KANG No. C 70336 Exp. 9-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
EUREKA CHANNEL	04-0230	ABUT 1	BW	1	33.0	YES	12
		PIER 4	℄	1½	33.0	YES	12
		PIER 6	℄	1	33.0	YES	12
		HINGE 1, SPAN 7	H	1	33.0	NO	12
		PIER 9	℄	2	33.0	YES	12
		PIER 13	℄	2	33.0	YES	12
		ABUT 16	BW	1	33.0	YES	12
MIDDLE CHANNEL	04-0229	ABUT 1	BW	1	33.0	YES	12
		PIER 4	℄	2	33.0	YES	12
		PIER 7	℄	2	33.0	YES	12
		ABUT 10	BW	1	33.0	YES	12
SAMOA CHANNEL	04-0228	ABUT 1	BW	1	33.0	YES	12
		PIER 4	℄	2	33.0	YES	12
		PIER 7	℄	1½	33.0	YES	12
		HINGE 1, SPAN 8	H	1	33.0	NO	12
		HINGE 2, SPAN 8	H	1	33.0	NO	12
		PIER 10	℄	1½	33.0	YES	12
		PIER 14	℄	2	33.0	YES	12
		PIER 17	℄	2	33.0	YES	12
		ABUT 21	BW	1½	33.0	YES	12

LEGEND:
BW = Abutment backwall joint
℄ = CENTERLINE
H = HINGE

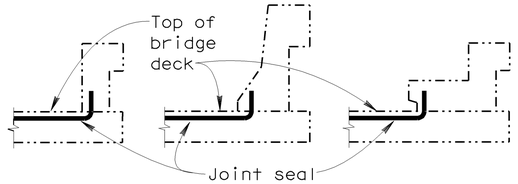
DECK REPAIR TABLE

REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGE (PERCENT)	APPROXIMATE DEPTH (INCHES)
EUREKA CHANNEL	04-0230	3	3
MIDDLE CHANNEL	04-0229	3	3
SAMOA CHANNEL	04-0228	3	3

NOTE: Location to be determined by the Engineer, for details see, "DECK REPAIR DETAIL - OVERLAY"

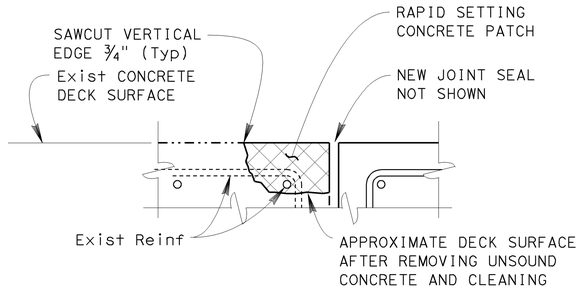
NOTES:
-·-·-·- Indicates existing.
Indicates limits of new polyester concrete.



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Notes: Details shown for illustration purposes only.
For use only where deck joint matches the sidewalk, curb or barrier rail joint.



JOINT REPAIR DETAIL

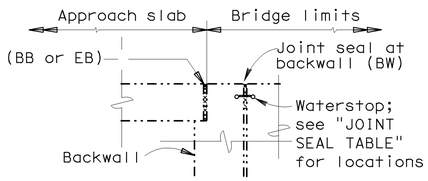
LOCATIONS TO BE DETERMINED BY THE ENGINEER.
REINFORCEMENT MAY BE ENCOUNTERED
DURING DECK CONCRETE REMOVAL.
NO SCALE

The following notes apply to JOINT SEAL TYPE B:

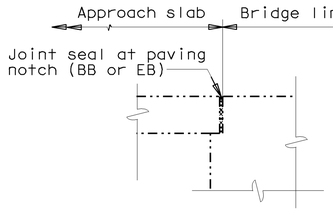
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
3) W1 shall be the smaller of the values determined 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

The following notes apply to JOINT SEAL TYPE A:

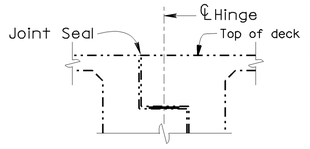
1) Install Type A joint seal 3" up into rail on the low side of deck where joint matches curb or rail joint.
2) For details not shown, see RSP B6-21



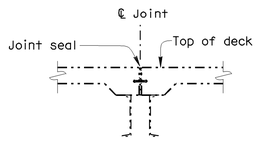
ABUTMENT WITH BACKWALL



DIAPHRAGM ABUTMENT

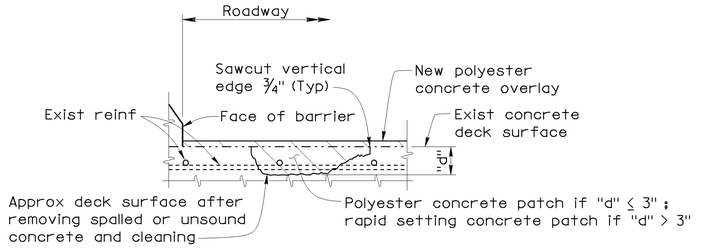


HINGE



PIER

JOINT SEAL LOCATION



DECK REPAIR DETAIL - OVERLAY

Notes: Locations to be determined by the Engineer.
Reinforcement may be encountered during deck concrete removal.
NO SCALE

DESIGN	BY Peter Kang	CHECKED Quang Vo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 255 BRIDGES	
DETAILS	BY David Kish	CHECKED Quang Vo			POST MILE VARIES	JOINT SEAL DETAILS	
QUANTITIES	BY Peter Kang	CHECKED Quang Vo					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01
EA 0A3801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES									SHEET	OF
3-15-11	3-21-11	7-25-11							4	4

FILE => 01-0a3801_04det01.dgn

USERNAME => s109618 DATE PLOTTED => 27-FEB-2012 TIME PLOTTED => 10:44